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DATA REPORT FOR EXPERIMENTAL HEAT TRANSFER DISTRIBUTIONS OVER LAUNCH AND ENTRY CONFIGURATIONS ON THE 0.045-SCALE APOLLO MODEL (H-2) WITH THE ADDITION OF STRAKES AT A MACH NUMBER OF 10 (U)

NAS9-150

Volume 4 (of 6)

February 1964

Exhibit I, Paragraph 5.5

CLASSIFICATION CHANGE

To UNCLASSIFIED

By authority of GDS-E.O.11652

Changed by L. Shirley Date 12/31/72

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SPACE and INFORMATION SYSTEMS DIVISION

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TABULATED DATA FORMAT

The tabulated data found in Appendix B can be identified by the following letters:

(a) Group Number
(b) Run Number
(c) Sting Pitch Angle, α_s, Deg
(d) Angle of Attack, α_m, Deg
(e) Sting Roll Angle, ϕ_s, Deg
(f) Angle of Yaw, ψ_m, Deg
(g) Date, Month, Day
(h) Configuration
(i) Time, Sec
(j) Mach Number
(k) P_o, psia
(l) T_o, ^oR
(m) T_∞, ^oR
(n) P_∞, psia
(o) q_∞, psia
(p) V_∞, ft/sec
(q) ρ_∞, slug/ft^3
(r) μ_∞, lb(sec)/ft^2
(s) Re/in. x 10^{-6}
(t) $C_{p\infty}$, Btu/(slug)(^oR)
(u) k_∞, Btu/(sec)(ft)(^oR)
(v) Pr
(w) Thermocouple Number
(x) Tw, ^oR
(y) dTw/dt
(z) Q_{stor}, Btu/(ft^2)(sec)
(aa) h^*_{stor}, lb/(ft^2)(sec)
(bb) Q_{stor}, Btu/(ft^2)(sec)
(cc) h^*_{stor}, lb/(ft^2)(sec)
(dd) St_{stor}
(ee) h^*/h^*_o
(ff) Nu_{stor}
(gg) h_{stor}, Btu/(ft^2)(sec)(^oR)
(hh) s/r Location

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
65	2	-1.26	-151.26	.06	.00	402	3031	3.15	10.18	1649.2	1746.4

(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)
8.39852+01	3.42381-02	2.48382+00	4.57145+03	3.42033-05	6.80280-08	1.92827-01	7.72000+00	7.02859-06	7.47200-02

	(w)	(x)	(y)	(z)	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)
1	583.96	2.6308+01	4.1977+00	1.4116-02	4.1977+00	1.4116-02	2.8059-03	4.1322-01	2.8782+05	3.6112-03	.0000+00
2	577.27	-1.0390-02	-1.9596-03	-6.5538-06	-1.9596-03	-6.5538-06	-1.3028-06	-1.9186-04	-1.3364+02	-1.6762-06	4.0100-01
3	601.58	3.8420+01	6.6051+00	2.2534-02	6.6051+00	2.2534-02	4.4793-03	6.5967-01	4.5948+05	5.7697-03	8.1900-01
4	431.75	-3.7403-02	-5.6692-03	-1.6971-05	-5.6692-03	-1.6971-05	-3.3734-06	-4.9680-04	-3.4604+02	-4.3124-06	8.8300-01
5	602.19	3.8244+01	6.0838+00	2.0766-02	6.0838+00	2.0766-02	4.1279-03	6.0791-01	4.2343+05	5.3171-03	9.2700-01
6	590.65	3.4071+01	5.4029+00	1.8358-02	5.4029+00	1.8358-02	3.6492-03	5.3742-01	3.7433+05	4.6993-03	9.2700-01
7	558.39	1.8370+01	2.6853+00	8.8459-03	2.6853+00	8.8459-03	1.7584-03	2.5896-01	1.8037+05	2.2604-03	1.0200+00
8	521.37	-3.4519+00	-6.1711-01	-1.9747-03	-6.1711-01	-1.9747-03	-3.9254-04	-5.7809-02	-4.0266+04	-5.0376-04	1.0830+00
9	526.71	1.3371+00	2.2403-01	7.1986-04	2.2403-01	7.1986-04	1.4309-04	2.1074-02	1.4678+04	1.8368-04	1.1400+00
10	529.11	8.8052-01	1.4911-01	4.8001-04	1.4911-01	4.8001-04	9.5416-05	1.4052-02	9.7877+03	1.2249-04	1.3730+00
11	528.16	4.4364-01	7.6450-02	2.4593-04	7.6450-02	2.4593-04	4.8886-05	7.1994-03	5.0146+03	6.2756-05	1.7720+00
12	526.47	6.7584-01	1.1704-01	3.7600-04	1.1704-01	3.7600-04	7.4742-05	1.1007-02	7.6669+03	9.5941-05	2.1150+00
13	528.13	1.1351+00	1.9093-01	6.1416-04	1.9093-01	6.1416-04	1.2208-04	1.7979-02	1.2523+04	1.5672-04	2.4600+00
14	529.56	5.9636-01	1.0040-01	3.2333-04	1.0040-01	3.2333-04	6.4271-05	9.4652-03	6.5923+03	8.2512-05	2.8800+00
15	531.20	5.1200+00	9.2091-01	2.9694-03	9.2091-01	2.9694-03	5.9026-04	8.6928-02	6.0548+04	7.5784-04	1.0830+00
16	529.67	4.1574+00	7.4707-01	2.4060-03	7.4707-01	2.4060-03	4.7827-04	7.0435-02	4.9060+04	6.1401-04	1.0830+00
17	702.46	-3.2208-02	-6.3710-03	-2.3718-05	-6.3710-03	-2.3718-05	-4.7147-06	-6.9433-04	-4.8362+02	-6.1030-06	1.0830+00
18	526.87	1.3299+00	2.1873-01	7.0293-04	2.1873-01	7.0293-04	1.3973-04	2.0578-02	1.4333+04	1.7936-04	1.1400+00
19	530.75	6.9247-01	1.1845-01	3.8181-04	1.1845-01	3.8181-04	7.5896-05	1.1177-02	7.7853+03	9.7441-05	1.3730+00
20	528.17	3.1948-01	5.4069-02	1.7393-04	5.4069-02	1.7393-04	3.4575-05	5.0918-03	3.5466+03	4.4385-05	1.7720+00
21	526.45	8.4104-01	1.4435-01	4.6373-04	1.4435-01	4.6373-04	9.2179-05	1.3575-02	9.4556+03	1.1832-04	2.1150+00
22	528.18	1.1330+00	1.8884-01	6.0746-04	1.8884-01	6.0746-04	1.2075-04	1.7783-02	1.2387+04	1.5501-04	2.4600+00
23	530.67	5.1719+00	9.2995-01	2.9974-03	9.2995-01	2.9974-03	5.9582-04	8.7746-02	6.1118+04	7.6495-04	1.0830+00
24	529.23	6.6961-01	1.1306-01	3.6398-04	1.1306-01	3.6398-04	7.2352-05	1.0655-02	7.4218+03	9.2885-05	1.3730+00
25	528.15	4.4364-01	7.5765-02	2.4372-04	7.5765-02	2.4372-04	4.8447-05	7.1348-03	4.9697+03	6.2193-05	1.7720+00
26	526.73	9.2883-01	1.5992-01	5.1387-04	1.5992-01	5.1387-04	1.0215-04	1.5043-02	1.0478+04	1.3112-04	2.1150+00
27	527.84	8.9299-01	1.5110-01	4.8594-04	1.5110-01	4.8594-04	9.6596-05	1.4226-02	9.9097+03	1.2400-04	2.4600+00

[redacted]

Tabulated Data Index

Configuration	Group Number	Angle of Attack (α)(Deg)	Angle of Roll (ϕ)(Deg)	Angle of Yaw (ψ)(Deg)	Re/in. x 10^{-6}	Page Number
1	10	0	0	0	0.027	B-4 - B-8
1	14	0	0	0	0.027	B-9 - B-13
1	11	5	0	0	0.027	B-14 - B-18
1	12	10	0	0	0.027	B-19 - B-23
1	13	15	0	0	0.027	B-24 - B-28
1	15	0	0	0	0.054	B-29 - B-33
1	19	0	0	0	0.054	B-34 - B-38
1	16	5	0	0	0.054	B-39 - B-43
1	17	10	0	0	0.054	B-44 - B-48
1	18	15	0	0	0.054	B-49 - B-53
1	30	0	0	0	0.083	B-54 - B-58
1	34	0	0	0	0.083	B-59 - B-63
1	35	0	180	0	0.083	B-64 - B-68
1	31	5	0	0	0.083	B-69 - B-73
1	32	10	0	0	0.083	B-74 - B-78
1	33	15	0	0	0.083	B-79 - B-83
1	36	0	0	0	0.166	B-84 - B-88
1	40	0	0	0	0.166	B-89 - B-93
1	37	5	0	0	0.166	B-94 - B-98
1	38	10	0	0	0.166	B-99 - B-103
1	39	15	0	0	0.166	B-104 - B-108
11	1	0	0	0	0.027	B-109 - B-113
11	5	0	0	0	0.027	B-114 - B-118
11	8	0	0	0	0.027	B-119 - B-123
11	2	5	0	0	0.027	B-124 - B-128
11	6	5	0	0	0.027	B-129 - B-133
11	3	10	0	0	0.027	B-134 - B-138
11	7	10	0	0	0.027	B-139 - B-143
11	4	15	0	0	0.027	B-144 - B-148
11	9	15	0	0	0.027	B-149 - B-153
11	20	0	0	0	0.054	B-154 - B-158
11	24	0	0	0	0.054	B-159 - B-163
11	21	5	0	0	0.054	B-164 - B-168
11	22	10	0	0	0.054	B-169 - B-173
11	23	15	0	0	0.054	B-174 - B-178
11	25	0	0	0	0.083	B-179 - B-183
11	29	0	0	0	0.083	B-184 - B-188

Tabulated Data Index (Cont)

Configuration	Group Number	Angle of Attack (α)(Deg)	Angle of Roll (ϕ)(Deg)	Angle of Yaw (ψ)(Deg)	Re/in. x 10^{-6}	Page Number
11	26	5	0	0	0.083	B-189 - B-193
11	27	10	0	0	0.083	B-194 - B-198
11	28	15	0	0	0.083	B-199 - B-203
11	41	0	0	0	0.166	B-204 - B-208
11	45	0	0	0	0.166	B-209 - B-213
11	42	5	0	0	0.166	B-214 - B-218
11	43	10	0	0	0.166	B-219 - B-223
11	44	15	0	0	0.166	B-224 - B-228
2	172	0	0	0	0.027	B-229 - B-233
2	173	5	0	0	0.027	B-234 - B-238
2	174	10	0	0	0.027	B-239 - B-243
2	175	15	0	0	0.027	B-244 - B-248
2	160	0	0	0	0.054	B-249 - B-253
2	161	5	0	0	0.054	B-254 - B-258
2	162	10	0	0	0.054	B-259 - B-263
2	163	15	0	0	0.054	B-264 - B-268
2	156	0	0	0	0.083	B-269 - B-273
2	157	5	0	0	0.083	B-274 - B-278
2	158	10	0	0	0.083	B-279 - B-283
2	159	15	0	0	0.083	B-284 - B-288

10 1 11.98 -.02 .00 -.00 402 1 1.90 10.04 215.7 1644.9

8.04292+01 4.78143-03 3.37411-01 4.41220+03 4.98776-06 6.51477-08 2.83397-02 7.72000+00 6.69077-06 7.51692-02

1	446.28	7.3818-01	1.2310-01	4.0750-04	1.2310-01	4.0750-04	5.7553-04	9.2621-03	8.7288+03	1.0271-04	4.1100-01
2	436.67	1.2358+00	2.0473-01	6.7257-04	2.0473-01	6.7257-04	9.4989-04	1.5287-02	1.4407+04	1.6945-04	7.1100-01
3	433.86	2.5190+00	4.1647-01	1.3652-03	4.1647-01	1.3652-03	1.9280-03	3.1028-02	2.9242+04	3.4390-04	1.3070+00
4	441.32	7.5283+00	1.2512+00	4.1254-03	1.2512+00	4.1254-03	5.8264-03	9.3766-02	8.8367+04	1.0396-03	1.6410+00
5	452.32	1.1488+01	2.0138+00	6.6984-03	2.0138+00	6.6984-03	9.4604-03	1.5225-01	1.4348+05	1.6887-03	1.7720+00
6	473.51	1.0971+00	1.8364-01	6.2136-04	1.8364-01	6.2136-04	8.7757-04	1.4123-02	1.3310+04	1.5678-04	2.4660+00
7	454.59	8.7896-01	1.4483-01	4.8262-04	1.4483-01	4.8262-04	6.8161-04	1.0969-02	1.0338+04	1.2168-04	3.0090+00
8	446.85	7.1481-01	1.1611-01	3.8454-04	1.1611-01	3.8454-04	5.4310-04	8.7402-03	8.2369+03	9.6921-05	3.3930+00
9	445.79	7.2571-01	1.1760-01	3.8980-04	1.1760-01	3.8980-04	5.5052-04	8.8596-03	8.3495+03	9.8242-05	3.7770+00
10	466.04	7.3818-01	1.2185-01	4.0979-04	1.2185-01	4.0979-04	5.7876-04	9.3142-03	8.7778+03	1.0336-04	5.3230+00
14	432.75	2.0535+00	3.3925-01	1.1111-03	3.3925-01	1.1111-03	1.5692-03	2.5253-02	2.3799+04	2.7988-04	1.0880+00
15	426.14	3.2442+00	5.3346-01	1.7381-03	5.3346-01	1.7381-03	2.4547-03	3.9505-02	3.7230+04	4.3772-04	1.3070+00
16	432.20	9.1371+00	1.5089+00	4.9397-03	1.5089+00	4.9397-03	6.9764-03	1.1227-01	1.0581+05	1.2443-03	1.6410+00
19	453.64	3.7766-01	5.7562-02	1.9167-04	5.7562-02	1.9167-04	2.7070-04	4.3564-03	4.1055+03	4.8321-05	4.1100-01
20	449.13	1.1595+00	1.8468-01	6.1272-04	1.8468-01	6.1272-04	8.6536-04	1.3926-02	1.3125+04	1.5445-04	7.1100-01
21	433.92	2.2016+00	3.5230-01	1.1549-03	3.5230-01	1.1549-03	1.6310-03	2.6249-02	2.4737+04	2.9093-04	1.0880+00
22	425.72	3.1901+00	5.1062-01	1.6631-03	5.1062-01	1.6631-03	2.3489-03	3.7801-02	3.5625+04	4.1884-04	1.3070+00
23	432.62	8.7579+00	1.3875+00	4.5437-03	1.3875+00	4.5437-03	6.4171-03	1.0327-01	9.7326+04	1.1446-03	1.6410+00
24	465.85	8.3325-01	1.3711-01	4.6105-04	1.3711-01	4.6105-04	6.5116-04	1.0479-02	9.8758+03	1.1629-04	3.0090+00
25	460.49	6.2286-01	9.9669-02	3.3370-04	9.9669-02	3.3370-04	4.7130-04	7.5847-03	7.1480+03	8.4153-05	3.3930+00
26	456.11	5.9844-01	9.6066-02	3.2051-04	9.6066-02	3.2051-04	4.5266-04	7.2848-03	6.8654+03	8.0812-05	3.7770+00
27	448.06	1.1470+00	1.8256-01	6.0517-04	1.8256-01	6.0517-04	8.5470-04	1.3755-02	1.2963+04	1.5254-04	7.1100-01
28	436.13	2.0488+00	3.2836-01	1.0783-03	3.2836-01	1.0783-03	1.5229-03	2.4508-02	2.3097+04	2.7166-04	1.0880+00
29	430.68	2.5377+00	4.1128-01	1.3448-03	4.1128-01	1.3448-03	1.8993-03	3.0565-02	2.8805+04	3.3873-04	1.3070+00
30	437.95	9.8390+00	1.6075+00	5.2863-03	1.6075+00	5.2863-03	7.4660-03	1.2015-01	1.1323+05	1.3319-03	1.6410+00
31	449.09	1.3070+01	2.1838+00	7.2450-03	2.1838+00	7.2450-03	1.0232-02	1.6467-01	1.5519+05	1.8262-03	1.7720+00
32	472.24	1.1730+00	1.9617-01	6.6307-04	1.9617-01	6.6307-04	9.3647-04	1.5071-02	1.4203+04	1.6729-04	2.4660+00
33	461.19	1.0301+00	1.7152-01	5.7458-04	1.7152-01	5.7458-04	8.1149-04	1.3060-02	1.2308+04	1.4490-04	3.0090+00
34	454.68	9.0442-01	1.4770-01	4.9222-04	1.4770-01	4.9222-04	6.9518-04	1.1188-02	1.0543+04	1.2410-04	3.3930+00
35	451.82	7.0078-01	1.0942-01	3.6382-04	1.0942-01	3.6382-04	5.1383-04	8.2691-03	7.7930+03	9.1716-05	3.7770+00
36	432.42	2.3771+00	3.8115-01	1.2480-03	3.8115-01	1.2480-03	1.7625-03	2.8365-02	2.6731+04	3.1436-04	1.3070+00
37	470.81	1.2987+00	2.1956-01	7.4128-04	2.1956-01	7.4128-04	1.0469-03	1.6848-02	1.5878+04	1.8701-04	2.4660+00
38	456.92	1.0057+00	1.6450-01	5.4918-04	1.6450-01	5.4918-04	7.7562-04	1.2482-02	1.1763+04	1.3847-04	3.0090+00
39	450.01	9.9169-01	1.6047-01	5.3278-04	1.6047-01	5.3278-04	7.5246-04	1.2110-02	1.1412+04	1.3430-04	3.3930+00
40	447.45	7.3558-01	1.1774-01	3.9012-04	1.1774-01	3.9012-04	5.5098-04	8.8670-03	8.3565+03	9.8330-05	3.7770+00
41	451.53	7.4338-01	1.1676-01	3.8819-04	1.1678-01	3.8819-04	5.4825-04	8.8230-03	8.3150+03	9.7858-05	4.1620+00
43	466.24	6.9195-01	1.1560-01	3.8884-04	1.1560-01	3.8884-04	5.4917-04	8.8380-03	8.3291+03	9.8081-05	5.3230+00
47	447.54	1.2390+00	1.9893-01	6.5918-04	1.9893-01	6.5918-04	9.3098-04	1.4982-02	1.4120+04	1.6615-04	7.1100-01
48	444.79	2.0868+00	3.4052-01	1.1259-03	3.4052-01	1.1259-03	1.5901-03	2.5590-02	2.4117+04	2.8375-04	1.0880+00
49	439.41	6.6078+00	1.0807+00	3.5580-03	1.0807+00	3.5580-03	5.0250-03	8.0868-02	7.6212+04	8.9650-04	1.3070+00
50	447.23	1.1905+01	1.9692+00	6.5235-03	1.9692+00	6.5235-03	9.2133-03	1.4827-01	1.3973+05	1.6442-03	1.6410+00
51	455.87	1.6002+01	2.6861+00	8.9599-03	2.6861+00	8.9599-03	1.2654-02	2.0365-01	1.9192+05	2.2591-03	1.7720+00
52	469.55	1.3631+00	2.3094-01	7.7888-04	2.3094-01	7.7888-04	1.1000-03	1.7703-02	1.6684+04	1.9649-04	2.4660+00
53	452.71	1.0982+00	1.7911-01	5.9594-04	1.7911-01	5.9594-04	8.4166-04	1.3545-02	1.2765+04	1.5024-04	3.0090+00
54	446.12	8.8571-01	1.4208-01	4.7025-04	1.4208-01	4.7025-04	6.6415-04	1.0688-02	1.0073+04	1.1852-04	3.3930+00
55	444.09	7.0078-01	1.1021-01	3.6418-04	1.1021-01	3.6418-04	5.1434-04	8.2774-03	7.8008+03	9.1779-05	3.7770+00
56	451.47	6.6494-02	1.0217-02	3.3962-05	1.0217-02	3.3962-05	4.7965-05	7.7192-04	7.2747+02	8.5615-06	4.1100-01
57	448.48	1.2369+00	1.9752-01	6.5500-04	1.9752-01	6.5500-04	9.2507-04	1.4887-02	1.4030+04	1.6510-04	7.1100-01
58	439.88	3.1668+00	5.1501-01	1.6962-03	5.1501-01	1.6962-03	2.3956-03	3.8552-02	3.6333+04	4.2740-04	1.0880+00
59	437.91	5.1075+00	8.3198-01	2.7359-03	8.3198-01	2.7359-03	3.8639-03	6.2183-02	5.8603+04	6.8932-04	1.3070+00
60	448.75	1.3275+01	2.1852+00	7.2478-03	2.1852+00	7.2478-03	1.0236-02	1.6473-01	1.5525+05	1.8269-03	1.6410+00
61	454.45	1.0623+00	1.7294-01	5.7624-04	1.7294-01	5.7624-04	8.1384-04	1.3097-02	1.2343+04	1.4528-04	3.0090+00
62	446.36	1.0088+00	1.6185-01	5.3581-04	1.6185-01	5.3581-04	7.5673-04	1.2178-02	1.1477+04	1.3504-04	3.3930+00
63	446.31	8.5039-01	1.3394-01	4.4339-04	1.3394-01	4.4339-04	6.2621-04	1.0078-02	9.4975+03	1.1175-04	3.7770+00
64	442.43	4.1065+00	6.8300-01	2.2540-03	6.8300-01	2.2540-03	3.1834-03	5.1232-02	4.8282+04	5.6802-04	1.0880+00
65	439.74	5.8509+00	9.7132-01	3.1987-03	9.7132-01	3.1987-03	4.5176-03	7.2703-02	6.8517+04	8.0599-04	1.3070+00
66	448.37	1.3310+01	2.2228+00	7.3703-03	2.2228+00	7.3703-03	1.0409-02	1.6752-01	1.5787+05	1.8577-03	1.6410+00
69	448.45	1.0343+00	1.7274-01	5.7281-04	1.7274-01	5.7281-04	8.0899-04	1.3019-02	1.2270+04	1.4438-04	4.1100-01
70	444.81	2.8712+00	4.7833-01	1.5816-03	4.7833-01	1.5816-03	2.2337-03	3.5947-02	3.3877+04	3.9859-04	7.1100-01
71	449.68	5.6509+00	9.4181-01	3.1261-03	9.4181-01	3.1261-03	4.4151-03	7.1053-02	6.6962+04	7.8801-04	1.3070+00
72	455.78	1.2709+01	2.1332+00	7.1151-03	2.1332+00	7.1151-03	1.0049-02	1.6172-01	1.5241+05	1.7940-03	1.6410+00
73	462.07	9.2935-01	1.5070-01	5.0522-04	1.5070-01	5.0522-04	7.1353-04	1.1483-02	1.0822+04	1.2741-04	3.7770+00
74	477.92	8.4987-01	1.4140-01	4.8016-04	1.4140-01	4.8016-04	6.7814-04	1.0913-02	1.0285+04	1.2117-04	5.3230+00
77	450.68	8.2130-01	1.3617-01	4.5235-04	1.3617-01	4.5235-04	6.3887-04	1.0281-02	9.6895+03	1.1403-04	3.0090+00
78	448.84	5.1688-01	8.4582-02	2.8056-04	8.4582-02	2.8056-04	3.9624-04	6.3769-03	6.0097+03	7.0719-05	3.3930+00
79	452.11	2.9039-01	4.6773-02	1.5555-04	4.6773-02	1.5555-04	2.1969-04	3.5355-03	3.3319+03	3.9214-05	3.7770+00
80	473.85	9.7714-01	1.6651-01	5.6354-04	1.6651-01	5.6354-04	7.9591-04	1.2809-02	1.2071+04	1.4219-04	2.4660+00
81	452.09	5.1325-01	8.5180-02	2.8328-04	8.5180-02	2.8328-04	4.0008-04	6.4386-03	6.0678+03	7.1413-05	3.0090+00
82	445.00	3.6468-01	5.9695-02	1.9741-04	5.9695-02	1.9741-04	2.7880-04	4.4868-03	4.2285+03	4.9752-05	3.3930+00
83	448.54	5.2831-01	8.5918-02	2.8493-04	8.5918-02	2.8493-04	4.0241-04	6.4760-03	6.1031+03	7.1818-05	3.7770+00
337	485.87	1.4114+00	2.6504-01	9.0589-04	2.6504-01	9.0589-04	1.2794-03	2.0590-02	1.9404+04	2.2868-04	7.1680+00
339	479.50	4.5044+00	8.6027-01	2.9251-03	8.6027-01	2.9251-03	4.1311-03	6.6483-02	6.2655+04	7.3820-04	8.1130+00
340	472.44	1.4306+00	2.6628-01	9.0019-04	2.6628-01	9.0019-04	1.2714-03	2.0460-02	1.9282+04	2.2712-04	8.6180+00
342	482.83	2.3605+00	4.5653-01	1.5565-03	4.5653-01	1.5565-03	2.1983-03	3.5378-02	3.3341+04	3.9287-04	7.1680+00
344	477.36	5.7688+00	1.1059+00	3.7538-03	1.1059+00	3.7538-03	5.3016-03	8.5320-02	8.0407+04	9.4727-04	8.1130+00
347	485.37	3.5195+00	6.6067-01	2.2572-03	6.6067-01	2.2572-03	3.1879-03	5.1304-02	4.8350+04	5.6979-04	7.1680+00
349	478.47	6.7008+00	1.2822+00	4.3561-03	1.2822+00	4.3561-03	6.1522-03	9.9008-02	9.3307+04	1.0993-03	8.1130+00
350	471.01	1.7273+00	3.0319-01	1.0238-03	3.0319-01	1.0238-03	1.4459-03	2.3270-02	2.1930+04	2.5829-04	8.6180+00
352	489.63	5.0301+00	9.2415-01	3.1685-03	9.2415-01	3.1685-03	4.4750-03	7.2016-02	6.7870+04	7.9996-04	7.1680+00
354	483.79	8.4353+00	1.6156+00	5.5125-03	1.6156+00	5.5125-03	7.7855-03	1.2529-01	1.1808+05	1.3914-03	8.1130+00
357	493.31	6.4400+00	1.1828+00	4.0676-03	1.1828+00	4.0676-03	5.7447-03	9.2451-02	8.7128+04	1.0271-03	7.1680+00
359	486.59	9.1325+00	1.6379+00	5.6017-03	1.6379+00	5.6017-03	7.9114-03	1.2732-01	1.1999+05	1.4141-03	8.1130+00
401	454.23	9.4857-01	7.8596-02	2.6183-04	7.8596-02	2.6183-04	3.6979-04	5.9511-03	5.6084+03	6.6011-05	4.5500-01
403	453.94	9.7662-01	7.9947-02	2.6627-04	7.9947-02	2.6627-04	3.7606-04	6.0519-03	5.7035+03	6.7130-05	6.8600-01
404	454.23	9.6364-01	7.9372-02	2.6441-04	7.9372-02	2.6441-04	3.7344-04	6.0098-03	5.6638+03	6.6663-05	8.0100-01
405	455.44	1.6374+00	1.3418-01	4.4741-04	1.3418-01	4.4741-04	6.3189-04	1.0169-02	9.5837+03	1.1281-04	1.0510+00
406	455.31	2.6239+00	2.1628-01	7.2113-04	2.1628-01	7.2113-04	1.0185-03	1.6390-02	1.5447+04	1.8182-04	1.1670+00
407	455.84	3.0431+00	2.5541-01	8.5195-04	2.5541-01	8.5195-04	1.2032-03	1.9364-02	1.8249+04	2.1480-04	1.2830+00
408	456.38	1.8519+00	1.5003-01	5.0068-04	1.5003-01	5.0068-04	7.0712-04	1.1380-02	1.0725+04	1.2624-04	5.1300-01
409	455.22	2.5138+00	2.0719-01	6.9077-04	2.0719-01	6.9077-04	9.7559-04	1.5700-02	1.4796+04	1.7416-04	5.7000-01
410	453.95	1.9579+00	1.5548-01	5.1784-04	1.5548-01	5.1784-04	7.3135-04	1.1770-02	1.1092+04	1.3055-04	6.2800-01
411	455.67	2.4384+00	2.0104-01	6.7052-04	2.0104-01	6.7052-04	9.4699-04	1.5240-02	1.4363+04	1.6906-04	6.8600-01
412	464.68	1.6748+00	1.3810-01	4.6395-04	1.3810-01	4.6395-04	6.5524-04	1.0545-02	9.9378+03	1.1702-04	7.4400-01
413	457.31	2.4156+00	2.0057-01	6.6981-04	2.0057-01	6.6981-04	9.4599-04	1.5224-02	1.4347+04	1.6889-04	8.0100-01
414	454.06	1.8758+00	1.5357-01	5.1153-04	1.5357-01	5.1153-04	7.2244-04	1.1626-02	1.0957+04	1.2896-04	8.5900-01
415	457.13	2.4623+00	2.0322-01	6.7856-04	2.0322-01	6.7856-04	9.5834-04	1.5423-02	1.4535+04	1.7110-04	9.1700-01
416	454.61	1.8400+00	1.4077-01	4.6908-04	1.4077-01	4.6908-04	6.6249-04	1.0662-02	1.0048+04	1.1826-04	5.7000-01
417	454.40	2.5564+00	2.0933-01	6.9745-04	2.0933-01	6.9745-04	9.8502-04	1.5852-02	1.4939+04	1.7584-04	1.0520+00

10 1 11.97 -.03 .00 -.00 402 1 2.15 10.04 215.7 1645.0

8.04382+01 4.78136-03 3.37406-01 4.41244+03 4.98713-06 6.51549-08 2.83345-02 7.72000+00 6.69163-06 7.51680-02

1	446.37	4.9818-01	8.3084-02	2.7505-04	8.3084-02	2.7505-04	3.8849-04	6.2516-03	5.8909+03	6.9314-05	4.1100-01
2	436.87	9.6520-01	1.5992-01	5.2544-04	1.5992-01	5.2544-04	7.4214-04	1.1943-02	1.1253+04	1.3236-04	7.1100-01
3	434.30	2.0821+00	3.4434-01	1.1291-03	3.4434-01	1.1291-03	1.5948-03	2.5663-02	2.4183+04	2.8441-04	1.3070+00
4	443.12	7.4130+00	1.2335+00	4.0731-03	1.2335+00	4.0731-03	5.7530-03	9.2578-02	8.7236+04	1.0263-03	1.6410+00
5	455.47	1.2390+01	2.1766+00	7.2581-03	2.1766+00	7.2581-03	1.0251-02	1.6497-01	1.5545+05	1.8297-03	1.7720+00
6	473.73	1.0665+00	1.7854-01	6.0421-04	1.7854-01	6.0421-04	8.5340-04	1.3733-02	1.2941+04	1.5243-04	2.4660+00
7	454.75	7.3507-01	1.2113-01	4.0371-04	1.2113-01	4.0371-04	5.7021-04	9.1758-03	8.6463+03	1.0177-04	3.0090+00
8	446.97	5.2052-01	8.4560-02	2.8007-04	8.4560-02	2.8007-04	3.9558-04	6.3657-03	5.9984+03	7.0580-05	3.3930+00
9	445.93	4.5350-01	7.3620-02	2.4364-04	7.3620-02	2.4364-04	3.4412-04	5.5376-03	5.2181+03	6.1396-05	3.7770+00
10	466.17	5.1324-01	8.4727-02	2.8498-04	8.4727-02	2.8498-04	4.0251-04	6.4772-03	6.1035+03	7.1871-05	5.3230+00
14	433.02	1.4005+00	2.3142-01	7.5806-04	2.3142-01	7.5806-04	1.0707-03	1.7230-02	1.6236+04	1.9094-04	1.0880+00
15	426.64	2.3366+00	3.8437-01	1.2528-03	3.8437-01	1.2528-03	1.7695-03	2.8475-02	2.6832+04	3.1547-04	1.3070+00
16	434.41	9.0655+00	1.4994+00	4.9171-03	1.4994+00	4.9171-03	6.9450-03	1.1176-01	1.0531+05	1.2385-03	1.6410+00
19	453.71	4.2910-01	6.5404-02	2.1779-04	6.5404-02	2.1779-04	3.0761-04	4.9501-03	4.6645+03	5.4900-05	4.1100-01
20	449.25	6.7740-01	1.0790-01	3.5803-04	1.0790-01	3.5803-04	5.0569-04	8.1377-03	7.6681+03	9.0235-05	7.1100-01
21	434.21	1.4883+00	2.3821-01	7.8106-04	2.3821-01	7.8106-04	1.1032-03	1.7752-02	1.6728+04	1.9673-04	1.0880+00
22	426.25	2.3948+00	3.8346-01	1.2495-03	3.8346-01	1.2495-03	1.7648-03	2.8399-02	2.6761+04	3.1463-04	1.3070+00
23	434.78	8.8675+00	1.4070+00	4.6154-03	1.4070+00	4.6154-03	6.5188-03	1.0490-01	9.8849+04	1.1626-03	1.6410+00
24	466.01	7.4078-01	1.2191-01	4.0999-04	1.2191-01	4.0999-04	5.7968-04	9.3186-03	8.7809+03	1.0340-04	3.0090+00
25	460.59	5.4546-01	8.7289-02	2.9228-04	8.7289-02	2.9228-04	4.1282-04	6.6432-03	6.2598+03	7.3696-05	3.3930+00
26	456.20	3.4961-01	5.6125-02	1.8727-04	5.6125-02	1.8727-04	2.6450-04	4.2564-03	4.0108+03	4.7210-05	3.7770+00
27	448.12	5.2104-01	8.2931-02	2.7493-04	8.2931-02	2.7493-04	3.8831-04	6.2488-03	5.8882+03	6.9287-05	7.1100-01
28	436.35	1.3584+00	2.1775-01	7.1517-04	2.1775-01	7.1517-04	1.0101-03	1.6255-02	1.5317+04	1.8016-04	1.0880+00
29	431.30	2.4655+00	3.9975-01	1.3077-03	3.9975-01	1.3077-03	1.8471-03	2.9723-02	2.8008+04	3.2936-04	1.3070+00
30	440.40	1.0138+01	1.6591+00	5.4667-03	1.6591+00	5.4667-03	7.7212-03	1.2425-01	1.1708+05	1.3773-03	1.6410+00
31	452.74	1.4500+01	2.4289+00	8.0818-03	2.4289+00	8.0818-03	1.1415-02	1.8369-01	1.7309+05	2.0371-03	1.7720+00
32	472.46	1.0151+00	1.6979-01	5.7400-04	1.6979-01	5.7400-04	8.1072-04	1.3046-02	1.2293+04	1.4480-04	2.4660+00
33	461.40	8.6338-01	1.4377-01	4.8171-04	1.4377-01	4.8171-04	6.8038-04	1.0949-02	1.0317+04	1.2147-04	3.0090+00
34	454.84	6.4156-01	1.0479-01	3.4925-04	1.0479-01	3.4925-04	4.9329-04	7.9381-03	7.4800+03	8.8042-05	3.3930+00
35	451.92	3.2571-01	5.0861-02	1.6912-04	5.0861-02	1.6912-04	2.3887-04	3.8439-03	3.6221+03	4.2628-05	3.7770+00
36	433.02	2.3294+00	3.7364-01	1.2239-03	3.7364-01	1.2239-03	1.7287-03	2.7819-02	2.6214+04	3.0828-04	1.3070+00
37	471.06	1.0223+00	1.7287-01	5.8376-04	1.7287-01	5.8376-04	8.2451-04	1.3268-02	1.2503+04	1.4725-04	2.4660+00
38	457.10	8.7948-01	1.4367-01	4.8038-04	1.4387-01	4.8038-04	6.7849-04	1.0918-02	1.0288+04	1.2111-04	3.0090+00
39	450.10	8.4209-01	1.3627-01	4.5247-04	1.3627-01	4.5247-04	6.3908-04	1.0284-02	9.6907+03	1.1404-04	3.3930+00
40	447.53	4.5455-01	7.2762-02	2.4110-04	7.2762-02	2.4110-04	3.4054-04	5.4800-03	5.1638+03	6.0761-05	3.7770+00
41	451.63	4.8779-01	7.6632-02	2.5476-04	7.6632-02	2.5476-04	3.5983-04	5.7904-03	5.4563+03	6.4213-05	4.1620+00
43	466.34	4.4675-01	7.4642-02	2.5109-04	7.4642-02	2.5109-04	3.5465-04	5.7070-03	5.3777+03	6.3326-05	5.3230+00
47	447.69	8.1091-01	1.3022-01	4.3154-04	1.3022-01	4.3154-04	6.0951-04	9.8083-03	9.2424+03	1.0875-04	7.1100-01
48	445.04	1.4722+00	2.4028-01	7.9462-04	2.4028-01	7.9462-04	1.1223-03	1.8061-02	1.7019+04	2.0024-04	1.0880+00
49	439.84	2.7314+00	4.4685-01	1.4717-03	4.4685-01	1.4717-03	2.0786-03	3.3450-02	3.1520+04	3.7077-04	1.3070+00
50	443.63	1.0168+01	1.6847+00	5.5918-03	1.6847+00	5.5918-03	7.8979-03	1.2709-01	1.1976+05	1.4093-03	1.6410+00
51	459.87	1.5874+01	2.6719+00	8.9415-03	2.6719+00	8.9415-03	1.2629-02	2.0323-01	1.9150+05	2.2545-03	1.7720+00
52	469.80	1.1413+00	1.9339-01	6.5238-04	1.9339-01	6.5238-04	9.2143-04	1.4828-02	1.3972+04	1.6455-04	2.4660+00
53	452.91	8.7533-01	1.4278-01	4.7515-04	1.4278-01	4.7515-04	6.7111-04	1.0800-02	1.0176+04	1.1977-04	3.0090+00
54	446.27	7.4442-01	1.1942-01	3.9532-04	1.1942-01	3.9532-04	5.5836-04	8.9852-03	8.4667+03	9.9622-05	3.3930+00
55	444.18	4.5714-01	7.1896-02	2.3760-04	7.1896-02	2.3760-04	3.3559-04	5.4003-03	5.0887+03	5.9870-05	3.7770+00
56	451.42	2.4468-01	3.7595-02	1.2496-04	3.7595-02	1.2496-04	1.7650-04	2.8402-03	2.6763+03	3.1497-05	4.1100-01
57	448.56	7.8442-01	1.2527-01	4.1544-04	1.2527-01	4.1544-04	5.8678-04	9.4425-03	8.8976+03	1.0470-04	7.1100-01
58	440.04	1.5865+00	2.5804-01	8.4998-04	2.5804-01	8.4998-04	1.2005-03	1.9319-02	1.8204+04	2.1414-04	1.0880+00
59	438.25	2.6732+00	4.3556-01	1.4327-03	4.3556-01	1.4327-03	2.0235-03	3.2563-02	3.0684+04	3.6092-04	1.3070+00
60	451.29	1.1239+01	1.8532+00	6.1592-03	1.8532+00	6.1592-03	8.6994-03	1.3999-01	1.3191+05	1.5524-03	1.6410+00
61	454.63	8.5195-01	1.3871-01	4.6224-04	1.3871-01	4.6224-04	6.5288-04	1.0506-02	9.9001+03	1.1652-04	3.0090+00
62	446.50	7.6312-01	1.2244-01	4.0539-04	1.2244-01	4.0539-04	5.7259-04	9.2141-03	8.6825+03	1.0216-04	3.3930+00
63	446.39	4.5351-01	7.1433-02	2.3648-04	7.1433-02	2.3648-04	3.3401-04	5.3750-03	5.0648+03	5.9595-05	3.7770+00
64	442.53	1.6779+00	2.7909-01	9.2113-04	2.7909-01	9.2113-04	1.3010-03	2.0936-02	1.9728+04	2.3209-04	1.0880+00
65	440.07	2.8078+00	4.6624-01	1.5358-03	4.6624-01	1.5358-03	2.1692-03	3.4907-02	3.2893+04	3.8693-04	1.3070+00
66	450.93	1.1164+01	1.8677+00	6.2057-03	1.8677+00	6.2057-03	8.7651-03	1.4105-01	1.3291+05	1.5641-03	1.6410+00
69	448.59	6.5454-01	1.0933-01	3.6257-04	1.0933-01	3.6257-04	5.1211-04	8.2409-03	7.7654+03	9.1378-05	4.1100-01
70	444.95	1.2218+00	2.0357-01	6.7316-04	2.0357-01	6.7316-04	9.5079-04	1.5300-02	1.4417+04	1.6963-04	7.1100-01
71	449.96	2.5039+00	4.1740-01	1.3858-03	4.1740-01	1.3858-03	1.9573-03	3.1497-02	2.9679+04	3.4926-04	1.3070+00
72	458.40	1.1079+01	1.8630+00	6.2272-03	1.8630+00	6.2272-03	8.7954-03	1.4154-01	1.3337+05	1.5700-03	1.6410+00
73	462.23	5.5999-01	9.0820-02	3.0450-04	9.0820-02	3.0450-04	4.3009-04	6.9210-03	6.5216+03	7.6783-05	3.7770+00
74	478.04	4.3428-01	7.2260-02	2.4540-04	7.2260-02	2.4540-04	3.4661-04	5.5777-03	5.2559+03	6.1920-05	5.3230+00
77	450.88	8.0779-01	1.3395-01	4.4505-04	1.3395-01	4.4505-04	6.2859-04	1.0115-02	9.5317+03	1.1217-04	3.0090+00
78	448.92	3.9585-01	6.4780-02	2.1489-04	6.4780-02	2.1489-04	3.0352-04	4.8842-03	4.6024+03	5.4158-05	3.3930+00
79	452.18	3.1844-01	5.1294-02	1.7060-04	5.1294-02	1.7060-04	2.4095-04	3.8774-03	3.6537+03	4.3001-05	3.7770+00
80	474.10	1.0203+00	1.7388-01	5.8862-04	1.7388-01	5.8862-04	8.3138-04	1.3379-02	1.2607+04	1.4850-04	2.4660+00
81	452.25	7.4546-01	1.2373-01	4.1154-04	1.2373-01	4.1154-04	5.8127-04	9.3538-03	8.8141+03	1.0373-04	3.0090+00
82	445.05	3.5584-01	5.8252-02	1.9264-04	5.8252-02	1.9264-04	2.7209-04	4.3785-03	4.1259+03	4.8544-05	3.3930+00
83	448.63	4.6701-01	7.5954-02	2.5190-04	7.5954-02	2.5190-04	3.5579-04	5.7254-03	5.3950+03	6.3485-05	3.7770+00
337	486.07	1.0119+00	1.9005-01	6.4969-04	1.9005-01	6.4969-04	9.1764-04	1.4767-02	1.3915+04	1.6398-04	7.1680+00
339	480.74	5.0894+00	9.7278-01	3.3110-03	9.7278-01	3.3110-03	4.6765-03	7.5254-02	7.0912+04	8.3551-04	8.1130+00
340	472.78	1.3055+00	2.4303-01	8.2183-04	2.4303-01	8.2183-04	1.1608-03	1.8679-02	1.7601+04	2.0732-04	8.6180+00
342	483.01	1.1205+00	2.1674-01	7.3906-04	2.1674-01	7.3906-04	1.0439-03	1.6798-02	1.5829+04	1.8652-04	7.1680+00
344	478.87	6.2452+00	1.1985+00	4.0729-03	1.1985+00	4.0729-03	5.7527-03	9.2572-02	8.7231+04	1.0277-03	8.1130+00
347	485.70	1.5543+00	2.9183-01	9.9732-04	2.9183-01	9.9732-04	1.4086-03	2.2668-02	2.1360+04	2.5172-04	7.1680+00
349	480.22	6.9792+00	1.3370+00	4.5488-03	1.3370+00	4.5488-03	6.4249-03	1.0339-01	9.7424+04	1.1479-03	8.1130+00
350	471.44	1.6125+00	2.8312-01	9.5635-04	2.8312-01	9.5635-04	1.3508-03	2.1737-02	2.0483+04	2.4124-04	8.6180+00
352	490.21	2.1262+00	3.9078-01	1.3405-03	3.9078-01	1.3405-03	1.8933-03	3.0467-02	2.8709+04	3.3839-04	7.1680+00
354	485.98	8.0504+00	1.5441+00	5.2780-03	1.5441+00	5.2780-03	7.4548-03	1.1996-01	1.1304+05	1.3322-03	8.1130+00
357	494.18	2.6919+00	4.9467-01	1.7024-03	4.9467-01	1.7024-03	2.4045-03	3.8694-02	3.6461+04	4.2983-04	7.1680+00
359	489.61	8.6317+00	1.5505+00	5.3134-03	1.5505+00	5.3134-03	7.5048-03	1.2077-01	1.1380+05	1.3413-03	8.1130+00
401	454.44	9.0805-01	7.5249-02	2.5072-04	7.5249-02	2.5072-04	3.5413-04	5.6986-03	5.3698+03	6.3203-05	4.5500-01
403	454.17	9.3662-01	7.6684-02	2.5545-04	7.6684-02	2.5545-04	3.6080-04	5.8061-03	5.4711+03	6.4394-05	6.8600-01
404	454.48	1.1268+00	9.2823-02	3.0929-04	9.2823-02	3.0929-04	4.3684-04	7.0297-03	6.6241+03	7.7966-05	8.0100-01
405	455.86	1.7621+00	1.4443-01	4.8178-04	1.4443-01	4.8178-04	6.8048-04	1.0950-02	1.0319+04	1.2146-04	1.0510+00
406	455.86	2.4462+00	2.0171-01	6.7285-04	2.0171-01	6.7285-04	9.5035-04	1.5293-02	1.4411+04	1.6962-04	1.1670+00
407	456.48	2.8769+00	2.4156-01	8.0617-04	2.4156-01	8.0617-04	1.1387-03	1.8323-02	1.7266+04	2.0324-04	1.2830+00
408	456.72	1.5132+00	1.2262-01	4.0932-04	1.2262-01	4.0932-04	5.7813-04	9.3033-03	8.7665+03	1.0319-04	5.1300-01
409	455.52	1.4748+00	1.2158-01	4.0545-04	1.2158-01	4.0545-04	5.7266-04	9.2153-03	8.6836+03	1.0221-04	5.7000-01
410	454.48	1.9153+00	1.5215-01	5.0697-04	1.5215-01	5.0697-04	7.1605-04	1.1523-02	1.0858+04	1.2780-04	6.2800-01
411	456.14	2.0499+00	1.6906-01	5.6406-04	1.6906-01	5.6406-04	7.9669-04	1.2820-02	1.2081+04	1.4220-04	6.8600-01
412	465.07	1.6270+00	1.3419-01	4.5096-04	1.3419-01	4.5096-04	6.3695-04	1.0250-02	9.6585+03	1.1373-04	7.4400-01
413	457.75	1.9844+00	1.6462-01	5.5061-04	1.6462-01	5.5061-04	7.7769-04	1.2515-02	1.1793+04	1.3882-04	8.0100-01
414	454.52	1.7870+00	1.4634-01	4.8763-04	1.4634-01	4.8763-04	6.8874-04	1.1083-02	1.0444+04	1.2292-04	8.5900-01
415	457.50	1.7751+00	1.4653-01	4.8943-04	1.4653-01	4.8943-04	6.9128-04	1.1124-02	1.0482+04	1.2339-04	9.1700-01
416	455.04	1.7714+00	1.3556-01	4.5189-04	1.3556-01	4.5189-04	6.3826-04	1.0271-02	9.6783+03	1.1392-04	5.7000-01
417	455.05	2.4047+00	1.9700-01	6.5669-04	1.9700-01	6.5669-04	9.2752-04	1.4926-02	1.4065+04	1.6554-04	1.0520+00

10 1 11.97 -.03 .00 -.00 402 1 2.40 10.04 215.7 1645.0

8.04382+01 4.78136-03 3.37406-01 4.41244+03 4.98713-06 6.51549-08 2.83345-02 7.72000+00 6.69163-06 7.51680-02

1	446.46	4.7897-01	7.9814-02	2.6448-04	7.9884-02	2.6448-04	3.7355-04	6.0113-03	5.6644+03	6.6649-05	4.1100-01
2	437.12	9.5688-01	1.5857-01	5.2110-04	1.5857-01	5.2110-04	7.3601-04	1.1844-02	1.1161+04	1.3127-04	7.1100-01
3	434.79	2.0873+00	3.4532-01	1.1328-03	3.4532-01	1.1328-03	1.5999-03	2.5747-02	2.4261+04	2.8533-04	1.3070+00
4	444.97	7.4499+00	1.2413+00	4.1046-03	1.2413+00	4.1046-03	5.7975-03	9.3293-02	8.7910+04	1.0343-03	1.6410+00
5	458.61	1.2369+01	2.1774+00	7.2793-03	2.1774+00	7.2793-03	1.0282-02	1.6545-01	1.5590+05	1.8353-03	1.7720+00
6	474.00	1.0717+00	1.7944-01	6.0739-04	1.7944-01	6.0739-04	8.5790-04	1.3805-02	1.3009+04	1.5323-04	2.4660+00
7	454.96	8.2182-01	1.3545-01	4.5149-04	1.3545-01	4.5149-04	6.3769-04	1.0262-02	9.6697+03	1.1381-04	3.0090+00
8	447.09	4.9870-01	8.1023-02	2.6838-04	8.1023-02	2.6838-04	3.7907-04	6.1000-03	5.7480+03	6.7635-05	3.3930+00
9	446.01	3.4130-01	5.5409-02	1.8338-04	5.5409-02	1.8338-04	2.5901-04	4.1660-03	3.9275+03	4.6211-05	3.7770+00
10	466.27	3.7506-01	6.1920-02	2.0828-04	6.1920-02	2.0828-04	2.9418-04	4.7340+03	4.4609+03	5.2529-05	5.3230+00
14	433.36	1.2862+00	2.1258-01	6.9655-04	2.1258-01	6.9655-04	9.8383-04	1.5832-02	1.4918+04	1.7544-04	1.0880+00
15	427.23	2.3569+00	3.8786-01	1.2648-03	3.8786-01	1.2648-03	1.7864-03	2.8747-02	2.7088+04	3.1849-04	1.3070+00
16	436.66	9.1392+00	1.5140+00	4.9737-03	1.5140+00	4.9737-03	7.0249-03	1.1305-01	1.0652+05	1.2529-03	1.6410+00
19	453.83	4.2909-01	6.5409-02	2.1783-04	6.5409-02	2.1783-04	3.0767-04	4.9510-03	4.6653+03	5.4910-05	4.1100-01
20	449.42	6.6545-01	1.0601-01	3.5180-04	1.0601-01	3.5180-04	4.9690-04	7.9961-03	7.5347+03	8.8666-05	7.1100-01
21	434.57	1.4478+00	2.3179-01	7.6020-04	2.3179-01	7.6020-04	1.0737-03	1.7278-02	1.6282+04	1.9148-04	1.0880+00
22	426.86	2.3896+00	3.8280-01	1.2479-03	3.8280-01	1.2479-03	1.7626-03	2.8363-02	2.6727+04	3.1424-04	1.3070+00
23	437.02	9.0255+00	1.4343+00	4.7132-03	1.4343+00	4.7132-03	6.6570-03	1.0713-01	1.0094+05	1.1873-03	1.6410+00
24	466.21	7.5325-01	1.2398-01	4.1701-04	1.2398-01	4.1701-04	5.8900-04	9.4782-03	8.9313+03	1.0517-04	3.0090+00
25	460.72	5.2779-01	8.4470-02	2.8287-04	8.4470-02	2.8287-04	3.9953-04	6.4293-03	6.0583+03	7.1324-05	3.3930+00
26	456.28	3.3974-01	5.4544-02	1.8200-04	5.4544-02	1.8200-04	2.5706-04	4.1367-03	3.8980+03	4.5883-05	3.7770+00
27	448.25	5.4026-01	8.5998-02	2.8512-04	8.5998-02	2.8512-04	4.0272-04	6.4805-03	6.1066+03	7.1857-05	7.1100-01
28	436.72	1.5029+00	2.4096-01	7.9164-04	2.4096-01	7.9164-04	1.1181-03	1.7993-02	1.6955+04	1.9942-04	1.0880+00
29	431.92	2.4442+00	3.9647-01	1.2976-03	3.9647-01	1.2976-03	1.8328-03	2.9493-02	2.7792+04	3.2682-04	1.3070+00
30	443.00	1.0238+01	1.6787+00	5.5424-03	1.6787+00	5.5424-03	7.8282-03	1.2597-01	1.1870+05	1.3965-03	1.6410+00
31	456.42	1.4545+01	2.4426+00	8.1513-03	2.4426+00	8.1513-03	1.1513-02	1.8527-01	1.7458+05	2.0550-03	1.7720+00
32	472.73	1.0577+00	1.7694-01	5.9832-04	1.7694-01	5.9832-04	8.4508-04	1.3599-02	1.2814+04	1.5093-04	2.4660+00
33	461.61	8.6753-01	1.4448-01	4.8419-04	1.4448-01	4.8419-04	6.8388-04	1.1005-02	1.0370+04	1.2209-04	3.0090+00
34	455.01	6.5143-01	1.0641-01	3.5471-04	1.0641-01	3.5471-04	5.0100-04	8.0622-03	7.5970+03	8.9419-05	3.3930+00
35	451.97	1.6727-01	2.6121-02	8.6859-05	2.6121-02	8.6859-05	1.2268-04	1.9742-03	1.8603+03	2.1894-05	3.7770+00
36	433.60	2.3049+00	3.6987-01	1.2122-03	3.6987-01	1.2122-03	1.7121-03	2.7551-02	2.5961+04	3.0532-04	1.3070+00
37	471.30	1.0301+00	1.7422-01	5.8841-04	1.7422-01	5.8841-04	8.3109-04	1.3374-02	1.2602+04	1.4843-04	2.4660+00
38	457.34	8.7480-01	1.4313-01	4.7799-04	1.4313-01	4.7799-04	6.7512-04	1.0864-02	1.0237+04	1.2051-04	3.0090+00
39	450.40	1.0795+00	1.7472-01	5.8028-04	1.7472-01	5.8028-04	8.1961-04	1.3189-02	1.2428+04	1.4626-04	3.3930+00
40	447.66	3.9065-01	6.2539-02	2.0725-04	6.2539-02	2.0725-04	2.9272-04	4.7105-03	4.4387+03	5.2230-05	3.7770+00
41	451.74	4.6857-01	7.3619-02	2.4476-04	7.3619-02	2.4476-04	3.4571-04	5.5631-03	5.2422+03	6.1694-05	4.1620+00
43	466.45	4.1558-01	6.9439-02	2.3361-04	6.9439-02	2.3361-04	3.2996-04	5.3097-03	5.0033+03	5.8917-05	5.3230+00
47	447.88	7.5584-01	1.2139-01	4.0235-04	1.2139-01	4.0235-04	5.6829-04	9.1449-03	8.6173+03	1.0140-04	7.1100-01
48	445.42	1.4468+00	2.3619-01	7.8132-04	2.3619-01	7.8132-04	1.1035-03	1.7758-02	1.6734+04	1.9689-04	1.0880+00
49	440.47	2.6192+00	4.2868-01	1.4125-03	4.2868-01	1.4125-03	1.9951-03	3.2105-02	3.0253+04	3.5588-04	1.3070+00
50	452.08	9.9605+00	1.6531+00	5.4975-03	1.6531+00	5.4975-03	7.7648-03	1.2495-01	1.1774+05	1.3857-03	1.6410+00
51	463.82	1.5477+01	2.6120+00	8.7687-03	2.6120+00	8.7687-03	1.2385-02	1.9930-01	1.8780+05	2.2113-03	1.7720+00
52	470.09	1.1039+00	1.8709-01	6.3126-04	1.8709-01	6.3126-04	8.9161-04	1.4348-02	1.3520+04	1.5923-04	2.4660+00
53	453.14	8.2701-01	1.3492-01	4.4907-04	1.3492-01	4.4907-04	6.3428-04	1.0207-02	9.6180+03	1.1320-04	3.0090+00
54	446.45	7.2260-01	1.1594-01	3.8384-04	1.1594-01	3.8384-04	5.4214-04	8.7242-03	8.2208+03	9.6729-05	3.3930+00
55	444.27	5.0546-01	7.9500-02	2.6275-04	7.9500-02	2.6275-04	3.7111-04	5.9719-03	5.6274+03	6.6208-05	3.7770+00
56	451.43	2.5196-01	3.8715-02	1.2868-04	3.8715-02	1.2868-04	1.8176-04	2.9248-03	2.7561+03	3.2435-05	4.1100-01
57	448.77	8.1714-01	1.3052-01	4.3291-04	1.3052-01	4.3291-04	6.1145-04	9.8395-03	9.2717+03	1.0910-04	7.1100-01
58	440.44	1.5325+00	2.4932-01	8.2152-04	2.4932-01	8.2152-04	1.1603-03	1.8672-02	1.7595+04	2.0698-04	1.0880+00
59	438.90	2.4135+00	3.9341-01	1.2947-03	3.9341-01	1.2947-03	1.8287-03	2.9427-02	2.7729+04	3.2618-04	1.3070+00
60	454.05	1.1285+01	1.8644+00	6.2100-03	1.8644+00	6.2100-03	8.7711-03	1.4115-01	1.3300+05	1.5654-03	1.6410+00
61	454.87	9.3247-01	1.5185-01	5.0611-04	1.5185-01	5.0611-04	7.1484-04	1.1503-02	1.0840+04	1.2758-04	3.0090+00
62	446.71	8.2442-01	1.3230-01	4.3809-04	1.3230-01	4.3809-04	6.1877-04	9.9573-03	9.3828+03	1.1040-04	3.3930+00
63	446.49	4.7793-01	7.5284-02	2.4925-04	7.5284-02	2.4925-04	3.5205-04	5.6652-03	5.3383+03	6.2813-05	3.7770+00
64	442.93	1.5964+00	2.6560-01	8.7689-04	2.6560-01	8.7689-04	1.2385-03	1.9931-02	1.8781+04	2.2095-04	1.0880+00
65	440.75	2.6732+00	4.4410-01	1.4637-03	4.4410-01	1.4637-03	2.0673-03	3.3268-02	3.1348+04	3.6877-04	1.3070+00
66	453.67	1.1277+01	1.8962+00	6.2942-03	1.8962+00	6.2942-03	8.8901-03	1.4306-01	1.3481+05	1.5866-03	1.6410+00
69	448.74	6.4312-01	1.0743-01	3.5633-04	1.0743-01	3.5633-04	5.0328-04	8.0989-03	7.6316+03	8.9803-05	4.1100-01
70	445.22	1.1397+00	1.8993-01	6.2820-04	1.8993-01	6.2820-04	8.8728-04	1.4278-02	1.3454+04	1.5830-04	7.1100-01
71	450.56	2.4400+00	4.0691-01	1.3516-03	4.0691-01	1.3516-03	1.9090-03	3.0720-02	2.8948+04	3.4066-04	1.3070+00
72	461.19	1.1069+01	1.8647+00	6.2468-03	1.8647+00	6.2468-03	8.8231-03	1.4198-01	1.3379+05	1.5751-03	1.6410+00
73	462.31	3.1896-01	5.1731-02	1.7346-04	5.1731-02	1.7346-04	2.4499-04	3.9425-03	3.7150+03	4.3739-05	3.7770+00
74	478.11	3.8598-01	6.4226-02	2.1813-04	6.4226-02	2.1813-04	3.0809-04	4.9578-03	4.6718+03	5.5038-05	5.3230+00
77	451.06	8.2494-01	1.3601-01	4.5461-04	1.3681-01	4.5461-04	6.4211-04	1.0333-02	9.7367+03	1.1459-04	3.0090+00
78	449.03	4.1247-01	6.7505-02	2.2395-04	6.7505-02	2.2395-04	3.1631-04	5.0901-03	4.7964+03	5.6442-05	3.3930+00
79	452.26	3.2468-01	5.2301-02	1.7396-04	5.2301-02	1.7396-04	2.4570-04	3.9538-03	3.7257+03	4.3848-05	3.7770+00
80	474.34	1.0686+00	1.8214-01	6.1672-04	1.8214-01	6.1672-04	8.7106-04	1.4017-02	1.3208+04	1.5559-04	2.4660+00
81	452.48	8.8104-01	1.4626-01	4.8656-04	1.4626-01	4.8656-04	6.8722-04	1.1059-02	1.0421+04	1.2264-04	3.0090+00
82	445.11	3.2260-01	5.2812-02	1.7466-04	5.2812-02	1.7466-04	2.4670-04	3.9699-03	3.7408+03	4.4013-05	3.3930+00
83	448.73	3.9273-01	6.3877-02	2.1187-04	6.3877-02	2.1187-04	2.9924-04	4.8154-03	4.5376+03	5.3396-05	3.7770+00
337	486.32	1.0447+00	1.9623-01	6.7094-04	1.9623-01	6.7094-04	9.4766-04	1.5250-02	1.4370+04	1.6935-04	7.1680+00
339	482.10	5.3221+00	1.0182+00	3.4693-03	1.0182+00	3.4693-03	4.9002-03	7.8854-02	7.4304+04	8.7552-04	8.1130+00
340	473.12	1.3517+00	2.5169-01	8.5136-04	2.5169-01	8.5136-04	1.2025-03	1.9350-02	1.8234+04	2.1477-04	8.6180+00
342	483.27	1.1969+00	2.3155-01	7.8973-04	2.3155-01	7.8973-04	1.1154-03	1.7950-02	1.6914+04	1.9931-04	7.1680+00
344	480.51	6.4748+00	1.2439+00	4.2329-03	1.2439+00	4.2329-03	5.9786-03	9.6208-02	9.0657+04	1.0681-03	8.1130+00
347	485.99	1.3481+00	2.5316-01	8.6537-04	2.5316-01	8.6537-04	1.2223-03	1.9669-02	1.8534+04	2.1842-04	7.1680+00
349	482.01	7.1304+00	1.3676+00	4.6596-03	1.3676+00	4.6596-03	6.5814-03	1.0591-01	9.9797+04	1.1759-03	8.1130+00
350	471.82	1.5278+00	2.6832-01	9.0664-04	2.6832-01	9.0664-04	1.2806-03	2.0607-02	1.9418+04	2.2870-04	8.6180+00
352	490.49	1.5371+00	2.8257-01	9.6949-04	2.8257-01	9.6949-04	1.3693-03	2.2035-02	2.0764+04	2.4474-04	7.1680+00
354	487.79	7.4301+00	1.4268+00	4.8844-03	1.4268+00	4.8844-03	6.8989-03	1.1102-01	1.0461+05	1.2329-03	8.1130+00
357	494.40	1.4992+00	2.7554-01	9.4844-04	2.7554-01	9.4844-04	1.3396-03	2.1557-02	2.0313+04	2.3947-04	7.1680+00
359	490.84	7.6613+00	1.3779+00	4.7289-03	1.3779+00	4.7289-03	6.6792-03	1.0748-01	1.0128+05	1.1938-03	8.1130+00
401	454.65	9.4026-01	7.7930-02	2.5970-04	7.7930-02	2.5970-04	3.6681-04	5.9027-03	5.5621+03	6.5466-05	4.5500-01
403	454.40	9.7091-01	7.9504-02	2.6489-04	7.9504-02	2.6489-04	3.7414-04	6.0267-03	5.6733+03	6.6775-05	6.8600-01
404	454.77	1.1558+00	9.5239-02	3.1741-04	9.5239-02	3.1741-04	4.4832-04	7.2144-03	6.7981+03	8.0015-05	8.0100-01
405	456.31	1.8260+00	1.4972-01	4.9958-04	1.4972-01	4.9958-04	7.0563-04	1.1355-02	1.0700+04	1.2595-04	1.0510+00
406	456.49	2.5236+00	2.0818-01	6.9479-04	2.0818-01	6.9479-04	9.8133-04	1.5792-02	1.4880+04	1.7516-04	1.1670+00
407	457.24	3.0135+00	2.5316-01	8.4541-04	2.5316-01	8.4541-04	1.1941-03	1.9215-02	1.8107+04	2.1314-04	1.2830+00
408	457.09	1.4436+00	1.1701-01	3.9070-04	1.1701-01	3.9070-04	5.5183-04	8.8801-03	8.3678+03	9.8499-05	5.1300-01
409	455.82	1.4530+00	1.1981-01	3.9963-04	1.1981-01	3.9963-04	5.6445-04	9.0832-03	8.5591+03	1.0075-04	5.7000-01
410	454.93	1.6130+00	1.2817-01	4.2722-04	1.2817-01	4.2722-04	6.0342-04	9.7103-03	9.1500+03	1.0770-04	6.2800-01
411	456.63	1.9855+00	1.6380-01	5.4674-04	1.6380-01	5.4674-04	7.7222-04	1.2427-02	1.1710+04	1.3783-04	6.8600-01
412	465.46	1.4431+00	1.1906-01	4.0022-04	1.1906-01	4.0022-04	5.6529-04	9.0966-03	8.5717+03	1.0093-04	7.4400-01
413	458.17	1.9112+00	1.5878-01	5.3062-04	1.5878-01	5.3062-04	7.4946-04	1.2060-02	1.1364+04	1.3378-04	8.0100-01
414	454.94	1.7392+00	1.4247-01	4.7489-04	1.4247-01	4.7489-04	6.7074-04	1.0794-02	1.0171+04	1.1971-04	8.5900-01
415	457.91	1.6707+00	1.3795-01	4.6092-04	1.3795-01	4.6092-04	6.5101-04	1.0476-02	9.8716+03	1.1620-04	9.1700-01
416	455.47	1.7138+00	1.3119-01	4.3746-04	1.3119-01	4.3746-04	6.1788-04	9.9429-03	9.3692+03	1.1028-04	5.7000-01
417	455.67	2.5616+00	2.0994-01	7.0018-04	2.0994-01	7.0018-04	9.8895-04	1.5914-02	1.4996+04	1.7651-04	1.0520+00

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10 1 11.97 -.03 .00 -.00 402 1 2.65 10.04 215.7 1645.0

8.04382+01 4.78136-03 3.37406-01 4.41244+03 4.98713-06 6.51549-08 2.83345-02 7.72000+00 6.69163-06 7.51680-02

1	446.60	5.2312-01	8.7257-02	2.8896-04	8.7257-02	2.8896-04	4.0814-04	6.5678-03	6.1889+03	7.2809-05	4.1100-01
2	437.36	9.4753-01	1.5704-01	5.1627-04	1.5704-01	5.1627-04	7.2920-04	1.1734-02	1.1057+04	1.3004-04	7.1100-01
3	435.31	2.1023+00	3.4794-01	1.1420-03	3.4794-01	1.1420-03	1.6130-03	2.5956-02	2.4459+04	2.8762-04	1.3070+00
4	446.84	7.5486+00	1.2593+00	4.1712-03	1.2593+00	4.1712-03	5.8916-03	9.4807-02	8.9337+04	1.0510-03	1.6410+00
5	461.65	1.2113+01	2.1368+00	7.1623-03	2.1368+00	7.1623-03	1.0116-02	1.6279-01	1.5340+05	1.8057-03	1.7720+00
6	474.29	1.0073+00	1.6869-01	5.7121-04	1.6869-01	5.7121-04	8.0680-04	1.2983-02	1.2234+04	1.4408-04	2.4660+00
7	455.16	9.0546-01	1.4925-01	4.9767-04	1.4925-01	4.9767-04	7.0292-04	1.1311-02	1.0659+04	1.2544-04	3.0090+00
8	447.22	4.4935-01	7.3011-02	2.4191-04	7.3011-02	2.4191-04	3.4167-04	5.4982-03	5.1810+03	6.0953-05	3.3930+00
9	446.08	3.0078-01	4.8833-02	1.6165-04	4.8833-02	1.6165-04	2.2832-04	3.6741-03	3.4621+03	4.0730-05	3.7770+00
10	466.35	4.0364-01	6.6641-02	2.2422-04	6.6641-02	2.2422-04	3.1669-04	5.0961-03	4.8021+03	5.6538-05	5.3230+00
14	433.69	1.4218+00	2.3505-01	7.7048-04	2.3505-01	7.7048-04	1.0882-03	1.7512-02	1.6502+04	1.9404-04	1.0880+00
15	427.81	2.3439+00	3.8588-01	1.2591-03	3.8568-01	1.2591-03	1.7784-03	2.8618-02	2.6966+04	3.1701-04	1.3070+00
16	438.97	9.2410+00	1.5333+00	5.0471-03	1.5333+00	5.0471-03	7.1287-03	1.1472-01	1.0810+05	1.2713-03	1.6410+00
19	453.94	3.7870-01	5.7732-02	1.9231-04	5.7732-02	1.9231-04	2.7162-04	4.3710-03	4.1188+03	4.8469-05	4.1100-01
20	449.58	6.9299-01	1.1041-01	3.6651-04	1.1041-01	3.6651-04	5.1766-04	8.3303-03	7.8496+03	9.2358-05	7.1100-01
21	434.92	1.4161+00	2.2677-01	7.4406-04	2.2677-01	7.4406-04	1.0509-03	1.6912-02	1.5936+04	1.8739-04	1.0880+00
22	427.43	2.3823+00	3.8179-01	1.2454-03	3.8179-01	1.2454-03	1.7590-03	2.8306-02	2.6672+04	3.1356-04	1.3070+00
23	439.29	9.1195+00	1.4515+00	4.7792-03	1.4515+00	4.7792-03	6.7502-03	1.0862-01	1.0236+05	1.2038-03	1.6410+00
24	466.40	7.5325-01	1.2399-01	4.1719-04	1.2399-01	4.1719-04	5.8926-04	9.4823-03	8.9352+03	1.0520-04	3.0090+00
25	460.87	5.6779-01	9.0881-02	3.0442-04	9.0881-02	3.0442-04	4.2997-04	6.9191-03	6.5199+03	7.6747-05	3.3930+00
26	456.35	2.9818-01	4.7875-02	1.5978-04	4.7875-02	1.5978-04	2.2568-04	3.6317-03	3.4221+03	4.0275-05	3.7770+00
27	448.39	4.9974-01	7.9556-02	2.6384-04	7.9556-02	2.6384-04	3.7265-04	5.9967-03	5.6507+03	6.6482-05	7.1100-01
28	437.09	1.4400+00	2.3094-01	7.5906-04	2.3094-01	7.5906-04	1.0721-03	1.7253-02	1.6257+04	1.9119-04	1.0880+00
29	432.51	2.4031+00	3.8998-01	1.2772-03	3.8998-01	1.2772-03	1.8039-03	2.9028-02	2.7353+04	3.2162-04	1.3070+00
30	445.57	1.0277+01	1.6879+00	5.5853-03	1.6879+00	5.5853-03	7.8888-03	1.2695-01	1.1962+05	1.4072-03	1.6410+00
31	460.09	1.4419+01	2.4273+00	8.1256-03	2.4273+00	8.1256-03	1.1477-02	1.8468-01	1.7403+05	2.0484-03	1.7720+00
32	472.98	1.1242+00	1.8810-01	6.3627-04	1.8810-01	6.3627-04	8.9868-04	1.4462-02	1.3627+04	1.6048-04	2.4660+00
33	461.82	8.8779-01	1.4788-01	4.9573-04	1.4788-01	4.9573-04	7.0018-04	1.1267-02	1.0617+04	1.2498-04	3.0090+00
34	455.15	6.7169-01	1.0973-01	3.6588-04	1.0973-01	3.6588-04	5.1678-04	8.3161-03	7.8362+03	9.2220-05	3.3930+00
35	451.97	9.2471-02	1.4440-02	4.8026-05	1.4440-02	4.8026-05	6.7833-05	1.0916-03	1.0286+03	1.2103-05	3.7770+00
36	434.15	2.2883+00	3.6735-01	1.2046-03	3.6735-01	1.2046-03	1.7014-03	2.7379-02	2.5800+04	3.0337-04	1.3070+00
37	471.55	1.0577+00	1.7890-01	6.0447-04	1.7890-01	6.0447-04	8.5376-04	1.3739-02	1.2946+04	1.5245-04	2.4660+00
38	457.53	8.4572-01	1.3839-01	4.6230-04	1.3839-01	4.6230-04	6.5297-04	1.0508-02	9.9013+03	1.1653-04	3.0090+00
39	450.70	5.3556-01	8.6703-02	2.8807-04	8.6703-02	2.8807-04	4.0688-04	6.5475-03	6.1697+03	7.2596-05	3.3930+00
40	447.74	3.5792-01	5.7303-02	1.8994-04	5.7303-02	1.8994-04	2.6828-04	4.3171-03	4.0680+03	4.7860-05	3.7770+00
41	451.87	4.0052-01	6.2932-02	2.0928-04	6.2932-02	2.0928-04	2.9560-04	4.7568-03	4.4823+03	5.2743-05	4.1620+00
43	466.54	3.3403-01	5.5815-02	1.8782-04	5.5815-02	1.8782-04	2.6528-04	4.2690-03	4.0226+03	4.7362-05	5.3230+00
47	448.07	7.0909-01	1.1390-01	3.7763-04	1.1390-01	3.7763-04	5.3337-04	8.5830-03	8.0878+03	9.5154-05	7.1100-01
48	445.78	1.3558+00	2.2140-01	7.3273-04	2.2140-01	7.3273-04	1.0349-03	1.6654-02	1.5693+04	1.8462-04	1.0880+00
49	441.11	2.6332+00	4.3117-01	1.4217-03	4.3117-01	1.4217-03	2.0080-03	3.2313-02	3.0449+04	3.5814-04	1.3070+00
50	454.53	1.0131+01	1.6841+00	5.6127-03	1.6841+00	5.6127-03	7.9275-03	1.2757-01	1.2021+05	1.4146-03	1.6410+00
51	467.62	1.5024+01	2.5421+00	8.5618-03	2.5421+00	8.5618-03	1.2093-02	1.9460-01	1.8337+05	2.1591-03	1.7720+00
52	470.35	1.0919+00	1.8509-01	6.2478-04	1.8509-01	6.2478-04	8.8245-04	1.4200-02	1.3381+04	1.5757-04	2.4660+00
53	453.32	8.3117-01	1.3562-01	4.5153-04	1.3562-01	4.5153-04	6.3775-04	1.0263-02	9.6705+03	1.1380-04	3.0090+00
54	446.63	7.4442-01	1.1945-01	3.9560-04	1.1945-01	3.9560-04	5.5875-04	8.9914-03	8.4726+03	9.9677-05	3.3930+00
55	444.42	4.3948-01	6.9129-02	2.2854-04	6.9129-02	2.2854-04	3.2279-04	5.1944-03	4.8946+03	5.7578-05	3.7770+00
56	451.62	6.5922-01	1.0130-01	3.3683-04	1.0130-01	3.3683-04	4.7575-04	7.6558-03	7.2140+03	8.4886-05	4.1100-01
57	448.99	8.2338-01	1.3153-01	4.3642-04	1.3153-01	4.3642-04	6.1641-04	9.9193-03	9.3469+03	1.0997-04	7.1100-01
58	440.81	1.5081+00	2.4541-01	8.0900-04	2.4541-01	8.0900-04	1.1427-03	1.8388-02	1.7327+04	2.0379-04	1.0880+00
59	439.47	2.4016+00	3.9162-01	1.2896-03	3.9162-01	1.2896-03	1.8215-03	2.9311-02	2.7620+04	3.2484-04	1.3070+00
60	456.89	1.1536+01	1.9095+00	6.3758-03	1.9095+00	6.3758-03	9.0053-03	1.4491-01	1.3655+05	1.6071-03	1.6410+00
61	455.09	8.6857-01	1.4146-01	4.7166-04	1.4146-01	4.7166-04	6.6618-04	1.0720-02	1.0102+04	1.1888-04	3.0090+00
62	446.91	7.9533-01	1.2765-01	4.2282-04	1.2765-01	4.2282-04	5.9721-04	9.6103-03	9.0558+03	1.0654-04	3.3930+00
63	446.63	5.4546-01	8.5930-02	2.8458-04	8.5930-02	2.8458-04	4.0194-04	6.4681-03	6.0949+03	7.1703-05	3.7770+00
64	443.32	1.5205+00	2.5305-01	8.3584-04	2.5305-01	8.3584-04	1.1806-03	1.8998-02	1.7901+04	2.1057-04	1.0880+00
65	441.40	2.5751+00	4.2799-01	1.4115-03	4.2799-01	1.4115-03	1.9936-03	3.2082-02	3.0231+04	3.5558-04	1.3070+00
66	456.54	1.1591+01	1.9466+00	6.4979-03	1.9466+00	6.4979-03	9.1777-03	1.4769-01	1.3917+05	1.6379-03	1.6410+00
69	448.89	5.8442-01	9.7635-02	3.2392-04	9.7635-02	3.2392-04	4.5752-04	7.3624-03	6.9376+03	8.1625-05	4.1100-01
70	445.47	1.0255+00	1.7092-01	5.6550-04	1.7092-01	5.6550-04	7.9873-04	1.2853-02	1.2112+04	1.4248-04	7.1100-01
71	451.19	2.2769+00	3.7987-01	1.2626-03	3.7987-01	1.2626-03	1.7833-03	2.8697-02	2.7042+04	3.1819-04	1.3070+00
72	463.93	1.1020+01	1.8599+00	6.2455-03	1.8599+00	6.2455-03	8.8213-03	1.4195-01	1.3376+05	1.5747-03	1.6410+00
73	462.39	3.3559-01	5.4431-02	1.8255-04	5.4431-02	1.8255-04	2.5784-04	4.1491-03	3.9097+03	4.6024-05	3.7770+00
74	478.22	3.8649-01	6.4316-02	2.1849-04	6.4316-02	2.1849-04	3.0860-04	4.9661-03	4.6795+03	5.5121-05	5.3230+00
77	451.28	8.2494-01	1.3683-01	4.5483-04	1.3683-01	4.5483-04	6.4242-04	1.0338-02	9.7413+03	1.1462-04	3.0090+00
78	449.14	4.3948-01	7.1931-02	2.3869-04	7.1931-02	2.3869-04	3.3713-04	5.4252-03	5.1122+03	6.0148-05	3.3930+00
79	452.34	3.0286-01	4.8789-02	1.6231-04	4.8789-02	1.6231-04	2.2925-04	3.6892-03	3.4763+03	4.0906-05	3.7770+00
80	474.62	1.1013+00	1.8776-01	6.3597-04	1.8776-01	6.3597-04	8.9826-04	1.4495-02	1.3621+04	1.6042-04	2.4660+00
81	452.72	8.9662-01	1.4887-01	4.9541-04	1.4887-01	4.9541-04	6.9973-04	1.1260-02	1.0610+04	1.2486-04	3.0090+00
82	445.21	2.8935-01	4.7372-02	1.5671-04	4.7372-02	1.5671-04	2.2134-04	3.5618-03	3.3562+03	3.9482-05	3.3930+00
83	448.85	4.2597-01	6.9290-02	2.2988-04	6.9290-02	2.2988-04	3.2468-04	5.2248-03	4.9233+03	5.7926-05	3.7770+00
337	486.58	1.0208+00	1.9177-01	6.5596-04	1.9177-01	6.5596-04	9.2649-04	1.4909-02	1.4049+04	1.6554-04	7.1680+00
339	483.42	5.3242+00	1.0195+00	3.4780-03	1.0195+00	3.4780-03	4.9125-03	7.9052-02	7.4491+04	8.7762-04	8.1130+00
340	473.43	1.3190+00	2.4565-01	8.3127-04	2.4565-01	8.3127-04	1.1741-03	1.8894-02	1.7804+04	2.0967-04	8.6180+00
342	483.58	1.1023+00	2.1330-01	7.2780-04	2.1330-01	7.2780-04	1.0280-03	1.6542-02	1.5588+04	1.8365-04	7.1680+00
344	482.14	6.3818+00	1.2273+00	4.1828-03	1.2273+00	4.1828-03	5.9079-03	9.5070-02	8.9585+04	1.0554-03	8.1130+00
347	486.31	1.2530+00	2.3535-01	8.0485-04	2.3535-01	8.0485-04	1.1368-03	1.8293-02	1.7238+04	2.0311-04	7.1680+00
349	483.78	7.1143+00	1.3661+00	4.6621-03	1.3661+00	4.6621-03	6.5848-03	1.0596-01	9.9850+04	1.1764-03	8.1130+00
350	472.19	1.5299+00	2.6875-01	9.0852-04	2.6875-01	9.0852-04	1.2832-03	2.0650-02	1.9458+04	2.2915-04	8.6180+00
352	490.88	1.5522+00	2.8541-01	9.7971-04	2.8541-01	9.7971-04	1.3838-03	2.2268-02	2.0983+04	2.4729-04	7.1680+00
354	489.62	7.3808+00	1.4190+00	4.8659-03	1.4190+00	4.8659-03	6.8727-03	1.1060-01	1.0421+05	1.2281-03	8.1130+00
357	494.76	1.4649+00	2.6930-01	9.2740-04	2.6930-01	9.2740-04	1.3099-03	2.1079-02	1.9862+04	2.3412-04	7.1680+00
359	492.74	7.5314+00	1.3562+00	4.6625-03	1.3562+00	4.6625-03	6.5855-03	1.0597-01	9.9859+04	1.1769-03	8.1130+00
401	454.90	9.6260-01	7.9795-02	2.6601-04	7.9795-02	2.6601-04	3.7572-04	6.0460-03	5.6972+03	6.7047-05	4.5500-01
403	454.64	9.9741-01	8.1687-02	2.7226-04	8.1687-02	2.7226-04	3.8455-04	6.1882-03	5.8311+03	6.8622-05	6.8600-01
404	455.07	1.2130+00	9.9967-02	3.3330-04	9.9967-02	3.3330-04	4.7077-04	7.5756-03	7.1385+03	8.4009-05	8.0100-01
405	456.77	1.9034+00	1.5611-01	5.2121-04	1.5611-01	5.2121-04	7.3617-04	1.1846-02	1.1163+04	1.3138-04	1.0510+00
406	457.13	2.5579+00	2.1110-01	7.0500-04	2.1110-01	7.0500-04	9.9577-04	1.6024-02	1.5099+04	1.7771-04	1.1670+00
407	457.99	3.0239+00	2.5417-01	8.4941-04	2.5417-01	8.4941-04	1.1997-03	1.9306-02	1.8192+04	2.1412-04	1.2830+00
408	457.43	1.4104+00	1.1434-01	3.8196-04	1.1434-01	3.8196-04	5.3949-04	8.6815-03	8.1805+03	9.6281-05	5.1300-01
409	456.21	1.5553+00	1.2828-01	4.2809-04	1.2828-01	4.2809-04	6.0465-04	9.7300-03	9.1686+03	1.0791-04	5.7000-01
410	455.31	1.5896+00	1.2635-01	4.2134-04	1.2635-01	4.2134-04	5.9511-04	9.5766-03	9.0240+03	1.0620-04	6.2800-01
411	457.12	1.8883+00	1.5584-01	5.2044-04	1.5584-01	5.2044-04	7.3508-04	1.1829-02	1.1146+04	1.3119-04	6.8600-01
412	465.84	1.4535+00	1.1995-01	4.0339-04	1.1995-01	4.0339-04	5.6976-04	9.1687-03	8.6397+03	1.0172-04	7.4400-01
413	458.67	1.7891+00	1.4869-01	4.9717-04	1.4869-01	4.9717-04	7.0222-04	1.1300-02	1.0648+04	1.2533-04	8.0100-01
414	455.38	1.7584+00	1.4409-01	4.8053-04	1.4409-01	4.8053-04	6.7871-04	1.0922-02	1.0292+04	1.2112-04	8.5900-01
415	458.31	1.6530+00	1.3653-01	4.5639-04	1.3653-01	4.5639-04	6.4462-04	1.0373-02	9.7747+03	1.1505-04	9.1700-01
416	455.88	1.6951+00	1.2979-01	4.3302-04	1.2979-01	4.3302-04	6.1161-04	9.8420-03	9.2742+03	1.0915-04	5.7000-01
417	456.28	2.5688+00	2.1062-01	7.0292-04	2.1062-01	7.0292-04	9.9282-04	1.5977-02	1.5055+04	1.7718-04	1.0520+00

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8.04292+01 4.78143-03 3.37411-01 4.41220+03 4.98776-06 6.51477-08 2.83397-02 7.72000+00 6.69077-06 7.51692-02

1	446.84	4.7013-01	7.8432-02	2.5979-04	7.8432-02	2.5979-04	3.6691-04	5.9047-03	5.5647+03	6.5468-05	4.1100-01
2	437.81	9.0649-01	1.5029-01	4.9424-04	1.5029-01	4.9424-04	6.9803-04	1.1234-02	1.0587+04	1.2451-04	7.1100-01
3	436.36	2.0083+00	3.3262-01	1.0926-03	3.3262-01	1.0926-03	1.5432-03	2.4834-02	2.3404+04	2.7523-04	1.3070+00
4	450.59	7.2436+00	1.2116+00	4.0250-03	1.2116+00	4.0250-03	5.6847-03	9.1464-02	8.6217+04	1.0145-03	1.6410+00
5	467.56	1.1552+01	2.0459+00	6.8902-03	2.0459+00	6.8902-03	9.7312-03	1.5661-01	1.4759+05	1.7378-03	1.7720+00
6	474.75	1.0587+00	1.7735-01	6.0079-04	1.7735-01	6.0079-04	8.4851-04	1.3655-02	1.2869+04	1.5157-04	2.4660+00
7	455.59	8.1610-01	1.3456-01	4.4884-04	1.3456-01	4.4884-04	6.3390-04	1.0202-02	9.6142+03	1.1315-04	3.0090+00
8	447.43	4.6442-01	7.5470-02	2.5010-04	7.5470-02	2.5010-04	3.5322-04	5.6844-03	5.3571+03	6.3027-05	3.3930+00
9	446.25	3.6052-01	5.8538-02	1.9380-04	5.8538-02	1.9380-04	2.7371-04	4.4049-03	4.1513+03	4.8838-05	3.7770+00
10	466.55	4.2753-01	7.0595-02	2.3756-04	7.0595-02	2.3756-04	3.3551-04	5.3994-03	5.0885+03	5.9912-05	5.3230+00
14	434.43	1.4758+00	2.4410-01	8.0064-04	2.4410-01	8.0064-04	1.1308-03	1.8198-02	1.7150+04	2.0167-04	1.0880+00
15	428.97	2.3330+00	3.8440-01	1.2554-03	3.8440-01	1.2554-03	1.7730-03	2.8534-02	2.6891+04	3.1614-04	1.3070+00
16	443.62	9.2784+00	1.5445+00	5.1027-03	1.5445+00	5.1027-03	7.2067-03	1.1598-01	1.0930+05	1.2857-03	1.6410+00
19	454.09	4.2286-01	6.4470-02	2.1478-04	6.4470-02	2.1478-04	3.0334-04	4.8817-03	4.6006+03	5.4141-05	4.1100-01
20	449.93	7.1636-01	1.1416-01	3.7907-04	1.1416-01	3.7907-04	5.3536-04	8.6157-03	8.1196+03	9.5537-05	7.1100-01
21	435.67	1.5314+00	2.4536-01	8.0555-04	2.4536-01	8.0555-04	1.1377-03	1.8309-02	1.7255+04	2.0291-04	1.0880+00
22	428.65	2.4790+00	3.9761-01	1.2982-03	3.9761-01	1.2982-03	1.8335-03	2.9507-02	2.7808+04	3.2693-04	1.3070+00
23	443.90	9.1834+00	1.4664+00	4.8457-03	1.4664+00	4.8457-03	6.8436-03	1.1014-01	1.0379+05	1.2210-03	1.6410+00
24	466.78	8.4468-01	1.3908-01	4.6810-04	1.3908-01	4.6810-04	6.6110-04	1.0639-02	1.0027+04	1.1805-04	3.0090+00
25	461.11	5.4961-01	8.7985-02	2.9478-04	8.7985-02	2.9478-04	4.1632-04	6.7000-03	6.3142+03	7.4327-05	3.3930+00
26	456.51	2.9247-01	4.6962-02	1.5676-04	4.6962-02	1.5676-04	2.2139-04	3.5629-03	3.3578+03	3.9518-05	3.7770+00
27	448.63	4.5143-01	7.1876-02	2.3841-04	7.1876-02	2.3841-04	3.3672-04	5.4189-03	5.1064+03	6.0085-05	7.1100-01
28	437.79	1.3735+00	2.2039-01	7.2476-04	2.2039-01	7.2476-04	1.0236-03	1.6473-02	1.5524+04	1.8258-04	1.0880+00
29	433.73	2.4945+00	4.0516-01	1.3281-03	4.0516-01	1.3281-03	1.8758-03	3.0187-02	2.8449+04	3.3483-04	1.3070+00
30	450.64	1.0004+01	1.6469+00	5.4781-03	1.6489+00	5.4781-03	7.7369-03	1.2451-01	1.1734+05	1.3807-03	1.6410+00
31	467.10	1.3804+01	2.3347+00	7.8600-03	2.3347+00	7.8600-03	1.1101-02	1.7865-01	1.6836+05	1.9823-03	1.7720+00
32	473.56	1.0987+00	1.8391-01	6.2239-04	1.8391-01	6.2239-04	8.7902-04	1.4146-02	1.3332+04	1.5701-04	2.4660+00
33	462.25	8.7740-01	1.4619-01	4.9024-04	1.4619-01	4.9024-04	6.9238-04	1.1143-02	1.0501+04	1.2362-04	3.0090+00
34	455.50	6.7792-01	1.1078-01	3.6947-04	1.1078-01	3.6947-04	5.2181-04	8.3975-03	7.9140+03	9.3139-05	3.3930+00
35	452.05	2.6338-01	4.1131-02	1.3680-04	4.1131-02	1.3680-04	1.9321-04	3.1094-03	2.9303+03	3.4482-05	3.7770+00
36	435.29	2.3060+00	3.7048-01	1.2160-03	3.7048-01	1.2160-03	1.7173-03	2.7637-02	2.6046+04	3.0629-04	1.3070+00
37	472.09	1.1101+00	1.8784-01	6.3496-04	1.8784-01	6.3496-04	8.9676-04	1.4432-02	1.3601+04	1.6017-04	2.4660+00
38	457.97	8.2649-01	1.3528-01	4.5209-04	1.3528-01	4.5209-04	6.3850-04	1.0275-02	9.6838+03	1.1398-04	3.0090+00
39	450.76	4.3065-01	6.9722-02	2.3166-04	6.9722-02	2.3166-04	3.2718-04	5.2654-03	4.9622+03	5.8388-05	3.3930+00
40	447.91	4.2078-01	6.7374-02	2.2335-04	6.7374-02	2.2335-04	3.1544-04	5.0765-03	4.7842+03	5.6288-05	3.7770+00
41	451.98	1.1377-01	1.7877-02	5.9457-05	1.7877-02	5.9457-05	8.3972-05	1.3514-03	1.2736+03	1.4986-05	4.1620+00
43	466.70	3.6831-01	6.1551-02	2.0715-04	6.1551-02	2.0715-04	2.9256-04	4.7082-03	4.4371+03	5.2243-05	5.3230+00
47	448.38	6.3740-01	1.0240-01	3.3961-04	1.0240-01	3.3961-04	4.7963-04	7.7189-03	7.2744+03	8.5587-05	7.1100-01
48	446.43	1.3273+00	2.1683-01	7.1798-04	2.1683-01	7.1798-04	1.0140-03	1.6319-02	1.5379+04	1.8093-04	1.0880+00
49	442.41	2.5709+00	4.2134-01	1.3907-03	4.2134-01	1.3907-03	1.9641-03	3.1609-02	2.9789+04	3.5040-04	1.3070+00
50	459.77	1.0528+01	1.7564+00	5.8781-03	1.7564+00	5.8781-03	8.3018-03	1.3360-01	1.2591+05	1.4821-03	1.6410+00
51	474.95	1.4420+01	2.4518+00	8.3071-03	2.4518+00	8.3071-03	1.1732-02	1.8881-01	1.7794+05	2.0957-03	1.7720+00
52	470.87	1.1205+00	1.9000-01	6.4162-04	1.9000-01	6.4162-04	9.0617-04	1.4583-02	1.3744+04	1.6184-04	2.4660+00
53	453.76	8.6805-01	1.4168-01	4.7187-04	1.4168-01	4.7187-04	6.6643-04	1.0725-02	1.0107+04	1.1894-04	3.0090+00
54	447.02	8.0104-01	1.2857-01	4.2593-04	1.2857-01	4.2593-04	6.0155-04	9.6808-03	9.1234+03	1.0734-04	3.3930+00
55	444.64	4.0364-01	6.3501-02	2.0997-04	6.3501-02	2.0997-04	2.9654-04	4.7723-03	4.4975+03	5.2907-05	3.7770+00
56	451.84	7.1688-02	1.1018-02	3.6641-05	1.1018-02	3.6641-05	5.1749-05	8.3281-04	7.8486+02	9.2355-06	4.1100-01
57	449.38	7.8390-01	1.2526-01	4.1573-04	1.2526-01	4.1573-04	5.8715-04	9.4491-03	8.9050+03	1.0478-04	7.1100-01
58	441.56	1.4338+00	2.3345-01	7.7000-04	2.3345-01	7.7000-04	1.0875-03	1.7501-02	1.6494+04	1.9400-04	1.0880+00
59	440.77	2.7543+00	4.4954-01	1.4819-03	4.4954-01	1.4819-03	2.0929-03	3.3681-02	3.1742+04	3.7335-04	1.3070+00
60	462.77	1.1711+01	1.9461+00	6.5288-03	1.9461+00	6.5288-03	9.2208-03	1.4839-01	1.3985+05	1.6463-03	1.6410+00
61	455.51	8.6597-01	1.4108-01	4.7054-04	1.4108-01	4.7054-04	6.6456-04	1.0695-02	1.0079+04	1.1862-04	3.0090+00
62	447.33	8.7532-01	1.4053-01	4.6564-04	1.4053-01	4.6564-04	6.5764-04	1.0584-02	9.9741+03	1.1735-04	3.3930+00
63	446.87	4.5818-01	7.2193-02	2.3913-04	7.2193-02	2.3913-04	3.3773-04	5.4352-03	5.1222+03	6.0262-05	3.7770+00
64	444.05	1.5283+00	2.5448-01	8.4104-04	2.5448-01	8.4104-04	1.1878-03	1.9116-02	1.8015+04	2.1192-04	1.0880+00
65	442.66	2.5413+00	4.2274-01	1.3956-03	4.2274-01	1.3956-03	1.9710-03	3.1720-02	2.9894+04	3.5164-04	1.3070+00
66	462.47	1.1857+01	1.9993+00	6.7056-03	1.9993+00	6.7056-03	9.4705-03	1.5241-01	1.4363+05	1.6909-03	1.6410+00
69	449.19	6.1299-01	1.0243-01	3.3991-04	1.0243-01	3.3991-04	4.8006-04	7.7257-03	7.2809+03	8.5666-05	4.1100-01
70	446.01	1.0452+00	1.7427-01	5.7685-04	1.7427-01	5.7685-04	8.1470-04	1.3111-02	1.2356+04	1.4536-04	7.1100-01
71	452.15	1.9205+00	3.2063-01	1.0665-03	3.2063-01	1.0665-03	1.5063-03	2.4241-02	2.2845+04	2.6882-04	1.3070+00
72	469.45	1.1135+01	1.8864+00	6.3626-03	1.8864+00	6.3626-03	8.9861-03	1.4462-01	1.3629+05	1.6048-03	1.6410+00
73	462.57	3.5636-01	5.7808-02	1.9390-04	5.7808-02	1.9390-04	2.7386-04	4.4072-03	4.1534+03	4.8895-05	3.7770+00
74	478.41	3.4234-01	5.6976-02	1.9358-04	5.6976-02	1.9358-04	2.7340-04	4.4000-03	4.1466+03	4.8845-05	5.3230+00
77	451.71	7.5584-01	1.2541-01	4.1700-04	1.2541-01	4.1700-04	5.8895-04	9.4780-03	8.9323+03	1.0511-04	3.0090+00
78	449.35	4.1247-01	6.7520-02	2.2409-04	6.7520-02	2.2409-04	3.1649-04	5.0933-03	4.8001+03	5.6477-05	3.3930+00
79	452.50	3.1273-01	5.0384-02	1.6764-04	5.0384-02	1.6764-04	2.3676-04	3.8103-03	3.5909+03	4.2255-05	3.7770+00
80	475.16	1.0836+00	1.8481-01	6.2627-04	1.8481-01	6.2627-04	8.8449-04	1.4234-02	1.3415+04	1.5800-04	2.4660+00
81	453.13	8.1714-01	1.3571-01	4.5178-04	1.3571-01	4.5178-04	6.3805-04	1.0268-02	9.6771+03	1.1388-04	3.0090+00
82	445.37	2.4104-01	3.9467-02	1.3057-04	3.9467-02	1.3057-04	1.8441-04	2.9677-03	2.7969+03	3.2903-05	3.3930+00
83	449.04	3.8130-01	6.2032-02	2.0583-04	6.2032-02	2.0583-04	2.9069-04	4.6782-03	4.4088+03	5.1873-05	3.7770+00
337	487.11	9.9948-01	1.8783-01	6.4277-04	1.8783-01	6.4277-04	9.0780-04	1.4609-02	1.3768+04	1.6224-04	7.1680+00
339	486.06	5.2514+00	1.0073+00	3.4440-03	1.0073+00	3.4440-03	4.8640-03	7.8277-02	7.3770+04	8.6924-04	8.1130+00
340	474.12	1.3657+00	2.5448-01	8.6161-04	2.5448-01	8.6161-04	1.2169-03	1.9583-02	1.8456+04	2.1736-04	8.6180+00
342	484.09	1.0712+00	2.0734-01	7.0776-04	2.0734-01	7.0776-04	9.9958-04	1.6086-02	1.5160+04	1.7862-04	7.1680+00
344	485.28	6.2712+00	1.2085+00	4.1294-03	1.2085+00	4.1294-03	5.8321-03	9.3857-02	8.8453+04	1.0422-03	8.1130+00
347	486.94	1.2919+00	2.4277-01	8.3065-04	2.4277-01	8.3065-04	1.1731-03	1.8880-02	1.7793+04	2.0966-04	7.1680+00
349	487.31	6.8442+00	1.3173+00	4.5085-03	1.3173+00	4.5085-03	6.3674-03	1.0247-01	9.6572+04	1.1380-03	8.1130+00
350	472.97	1.6145+00	2.8378-01	9.5991-04	2.8378-01	9.5991-04	1.3557-03	2.1818-02	2.0561+04	2.4215-04	8.6180+00
352	491.65	1.4213+00	2.6147-01	8.9810-04	2.6147-01	8.9810-04	1.2684-03	2.0413-02	1.9237+04	2.2673-04	7.1680+00
354	493.33	7.3938+00	1.4249+00	4.9012-03	1.4249+00	4.9012-03	6.9221-03	1.1140-01	1.0498+05	1.2374-03	8.1130+00
357	495.49	1.4571+00	2.6799-01	9.2346-04	2.6799-01	9.2346-04	1.3042-03	2.0989-02	1.9781+04	2.3317-04	7.1680+00
359	496.43	7.2857+00	1.3151+00	4.5351-03	1.3151+00	4.5351-03	6.4050-03	1.0308-01	9.7142+04	1.1451-03	8.1130+00
401	455.37	9.7974-01	8.1241-02	2.7093-04	8.1241-02	2.7093-04	3.8264-04	6.1580-03	5.8034+03	6.8299-05	4.5500-01
403	455.16	1.0203+00	8.3588-02	2.7871-04	8.3588-02	2.7871-04	3.9363-04	6.3348-03	5.9701+03	7.0260-05	6.8600-01
404	455.68	1.2213+00	1.0069-01	3.3589-04	1.0069-01	3.3589-04	4.7438-04	7.6343-03	7.1947+03	8.4674-05	8.0100-01
405	457.74	1.9699+00	1.6167-01	5.4018-04	1.6167-01	5.4018-04	7.6291-04	1.2278-02	1.1571+04	1.3619-04	1.0510+00
406	458.40	2.5304+00	2.0961-01	6.9873-04	2.0961-01	6.9873-04	9.8684-04	1.5881-02	1.4967+04	1.7616-04	1.1670+00
407	459.53	3.1730+00	2.6697-01	8.9331-04	2.6697-01	8.9331-04	1.2616-03	2.0304-02	1.9135+04	2.2523-04	1.2830+00
408	458.14	1.4509+00	1.1768-01	3.9334-04	1.1768-01	3.9334-04	5.5553-04	8.9402-03	8.4254+03	9.9167-05	5.1300-01
409	457.01	1.6026+00	1.3225-01	4.4162-04	1.3225-01	4.4162-04	6.2372-04	1.0038-02	9.4596+03	1.1134-04	5.7000-01
410	456.11	1.6338+00	1.2993-01	4.3356-04	1.2993-01	4.3356-04	6.1232-04	9.8542-03	9.2868+03	1.0930-04	6.2800-01
411	458.01	1.6842+00	1.3908-01	4.6479-04	1.3908-01	4.6479-04	6.5643-04	1.0564-02	9.9558+03	1.1718-04	6.8600-01
412	466.52	1.3465+00	1.1117-01	3.7407-04	1.1117-01	3.7407-04	5.2831-04	8.5022-03	8.0127+03	9.4340-05	7.4400-01
413	459.51	1.6145+00	1.3426-01	4.4923-04	1.3426-01	4.4923-04	6.3445-04	1.0210-02	9.6225+03	1.1326-04	8.0100-01
414	456.24	1.7569+00	1.4404-01	4.8071-04	1.4404-01	4.8071-04	6.7892-04	1.0926-02	1.0297+04	1.2119-04	8.5900-01
415	459.15	1.6130+00	1.3330-01	4.4590-04	1.3330-01	4.4590-04	6.2975-04	1.0135-02	9.5512+03	1.1242-04	9.1700-01
416	456.74	1.7351+00	1.3293-01	4.4380-04	1.3293-01	4.4380-04	6.2679-04	1.0087-02	9.5062+03	1.1188-04	5.7000-01
417	457.56	2.5361+00	2.0812-01	6.9527-04	2.0812-01	6.9527-04	9.8195-04	1.5803-02	1.4893+04	1.7528-04	1.0520+00

14 1 11.99 -.01 .00 -.00 402 1 1.95 10.04 214.2 1642.8

8.03274+01 4.75022-03 3.35180-01 4.40921+03 4.96149-06 6.50652-08 2.82070-02 7.72000+00 6.68111-06 7.51827-02

1	440.73	4.1694+00	6.9265-01	2.2867-03	6.9265-01	2.2867-03	3.2489-03	5.2100-02	4.9053+04	5.7620-04	4.1100-01
2	431.92	1.7102+01	2.8237+00	9.2576-03	2.8237+00	9.2576-03	1.3153-02	2.1092-01	1.9859+05	2.3319-03	7.1100-01
3	421.05	1.5900+01	2.6051+00	8.4687-03	2.6051+00	8.4687-03	1.2032-02	1.9295-01	1.8166+05	2.1322-03	1.3070+00
4	414.71	1.8647+01	3.0414+00	9.8383-03	3.0414+00	9.8383-03	1.3978-02	2.2415-01	2.1104+05	2.4765-03	1.6410+00
5	411.59	1.5906+01	2.7096+00	8.7440-03	2.7096+00	8.7440-03	1.2423-02	1.9922-01	1.8757+05	2.2008-03	1.7720+00
6	412.37	2.9855+00	4.7902-01	1.5467-03	4.7902-01	1.5467-03	2.1975-03	3.5240-02	3.3179+04	3.8930-04	2.4660+00
7	425.57	2.5543+00	4.1249-01	1.3457-03	4.1249-01	1.3457-03	1.9119-03	3.0659-02	2.8866+04	3.3887-04	3.0090+00
8	449.17	2.2686+00	3.6909-01	1.2268-03	3.6909-01	1.2268-03	1.7429-03	2.7950-02	2.6315+04	3.0921-04	3.3930+00
9	470.90	1.9361+00	3.1967-01	1.0812-03	3.1967-01	1.0812-03	1.5362-03	2.4635-02	2.3194+04	2.7277-04	3.7770+00
10	481.11	2.4244+00	4.0422-01	1.3787-03	4.0422-01	1.3787-03	1.9588-03	3.1411-02	2.9574+04	3.4795-04	5.3230+00
14	427.49	1.4950+01	2.4666+00	8.0394-03	2.4606+00	8.0394-03	1.1422-02	1.8317-01	1.7245+05	2.0247-03	1.0880+00
15	421.57	1.7406+01	2.8529+00	9.2780-03	2.8529+00	9.2780-03	1.3182-02	2.1139-01	1.9902+05	2.3361-03	1.3070+00
16	414.21	2.0825+01	3.3954+00	1.0979-02	3.3954+00	1.0979-02	1.5599-02	2.5014-01	2.3551+05	2.7636-03	1.6410+00
19	444.75	4.7185+00	7.1460-01	2.3674-03	7.1480-01	2.3674-03	3.3635-03	5.3938-02	5.0784+04	5.9662-04	4.1100-01
20	442.61	1.5399+01	2.4417+00	8.0732-03	2.4417+00	8.0732-03	1.1470-02	1.8394-01	1.7318+05	2.0344-03	7.1100-01
21	429.15	1.9741+01	3.1485+00	1.0300-02	3.1485+00	1.0300-02	1.4634-02	2.3467-01	2.2095+05	2.5942-03	1.0880+00
22	420.56	1.8882+01	3.0112+00	9.7851-03	3.0112+00	9.7851-03	1.3902-02	2.2294-01	2.0990+05	2.4637-03	1.3070+00
23	413.22	1.9257+01	3.0091+00	9.7225-03	3.0091+00	9.7225-03	1.3813-02	2.2151-01	2.0856+05	2.4472-03	1.6410+00
24	424.95	2.5148+00	4.0231-01	1.3118-03	4.0231-01	1.3118-03	1.8638-03	2.9888-02	2.8140+04	3.3034-04	3.0090+00
25	445.63	2.2966+00	3.6380-01	1.2057-03	3.6380-01	1.2057-03	1.7131-03	2.7471-02	2.5864+04	3.0367-04	3.3930+00
26	466.78	2.0192+00	3.2648-01	1.1006-03	3.2648-01	1.1006-03	1.5637-03	2.5076-02	2.3609+04	2.7761-04	3.7770+00
27	442.40	2.0636+01	3.2716+00	1.0815-02	3.2716+00	1.0815-02	1.5366-02	2.4641-01	2.3200+05	2.7254-03	7.1100-01
28	431.76	2.0465+01	3.2699+00	1.0719-02	3.2699+00	1.0719-02	1.5230-02	2.4423-01	2.2994+05	2.7000-03	1.0880+00
29	425.71	2.2920+01	3.7016+00	1.2077-02	3.7016+00	1.2077-02	1.7159-02	2.7516-01	2.5906+05	3.0413-03	1.3070+00
30	415.89	2.1720+01	3.4938+00	1.1312-02	3.4938+00	1.1312-02	1.6072-02	2.5773-01	2.4266+05	2.8476-03	1.6410+00
31	411.82	1.7515+01	2.8509+00	9.2015-03	2.8509+00	9.2015-03	1.3073-02	2.0964-01	1.9738+05	2.3159-03	1.7720+00
32	417.81	2.6021+00	4.1914-01	1.3591-03	4.1914-01	1.3591-03	1.9309-03	3.0965-02	2.9154+04	3.4215-04	2.4660+00
33	431.36	2.5164+00	4.1045-01	1.3451-03	4.1045-01	1.3451-03	1.9111-03	3.0646-02	2.8854+04	3.3861-04	3.0090+00
34	452.75	2.2795+00	3.7178-01	1.2392-03	3.7178-01	1.2392-03	1.7606-03	2.8234-02	2.6583+04	3.1240-04	3.3930+00
35	471.07	2.2712+00	3.5926-01	1.2154-03	3.5926-01	1.2154-03	1.7267-03	2.7690-02	2.6071+04	3.0660-04	3.7770+00
36	427.60	2.5139+01	4.0171+00	1.3126-02	4.0171+00	1.3126-02	1.8648-02	2.9905-01	2.8156+05	3.3056-03	1.3070+00
37	422.39	4.7808+00	7.8177-01	2.5440-03	7.8177-01	2.5440-03	3.6144-03	5.7962-02	5.4572+04	6.4056-04	2.4660+00
38	441.60	3.5055+00	5.6737-01	1.8744-03	5.6737-01	1.8744-03	2.6631-03	4.2706-02	4.0209+04	4.7232-04	3.0090+00
39	461.49	2.7060+00	4.4130-01	1.4813-03	4.4130-01	1.4813-03	2.1046-03	3.3750-02	3.1776+04	3.7356-04	3.3930+00
40	475.91	2.8172+00	4.5968-01	1.5612-03	4.5968-01	1.5612-03	2.2181-03	3.5570-02	3.3489+04	3.9393-04	3.7770+00
41	482.58	2.6707+00	4.2835-01	1.4628-03	4.2835-01	1.4628-03	2.0783-03	3.3327-02	3.1378+04	3.6919-04	4.1620+00
43	459.79	3.1584+00	5.2538-01	1.7611-03	5.2538-01	1.7611-03	2.5022-03	4.0125-02	3.7779+04	4.4410-04	5.3230+00
47	443.81	2.6291+01	4.2105+00	1.3935-02	4.2105+00	1.3935-02	1.9798-02	3.1749-01	2.9892+05	3.5117-03	7.1100-01
48	431.66	2.6117+01	4.2231+00	1.3843-02	4.2231+00	1.3843-02	1.9668-02	3.1539-01	2.9695+05	3.4868-03	1.0880+00
49	424.12	1.9524+01	3.1591+00	1.0294-02	3.1591+00	1.0294-02	1.4626-02	2.3454-01	2.2082+05	2.5922-03	1.3070+00
50	418.60	2.4695+01	4.0037+00	1.2990-02	4.0037+00	1.2990-02	1.8456-02	2.9597-01	2.7866+05	3.2704-03	1.6410+00
51	417.60	1.8911+01	3.0908+00	1.0021-02	3.0908+00	1.0021-02	1.4237-02	2.2831-01	2.1495+05	2.5226-03	1.7720+00
52	434.28	2.8395+00	4.6960-01	1.5425-03	4.6960-01	1.5425-03	2.1915-03	3.5143-02	3.3088+04	3.8856-04	2.4660+00
53	454.10	2.6312+00	4.2954-01	1.4333-03	4.2954-01	1.4333-03	2.0364-03	3.2656-02	3.0746+04	3.6134-04	3.0090+00
54	471.56	2.6987+00	4.4042-01	1.4905-03	4.4042-01	1.4905-03	2.1176-03	3.3959-02	3.1973+04	3.7602-04	3.3930+00
55	478.28	2.7938+00	4.4962-01	1.5300-03	4.4962-01	1.5300-03	2.1737-03	3.4859-02	3.2820+04	3.8609-04	3.7770+00
56	443.48	6.2343+00	9.5271-01	3.1522-03	9.5271-01	3.1522-03	4.4785-03	7.1819-02	6.7618+04	7.9436-04	4.1100-01
57	440.42	2.0397+01	3.2392+00	1.0691-02	3.2392+00	1.0691-02	1.5190-02	2.4359-01	2.2934+05	2.6939-03	7.1100-01
58	431.94	2.7448+01	4.4393+00	1.4555-02	4.4393+00	1.4555-02	2.0679-02	3.3161-01	3.1222+05	3.6661-03	1.0880+00
59	423.74	2.5145+01	4.0554+00	1.3211-02	4.0554+00	1.3211-02	1.8770-02	3.0099-01	2.8339+05	3.3266-03	1.3070+00
60	420.66	2.7068+01	4.3689+00	1.4198-02	4.3689+00	1.4198-02	2.0172-02	3.2348-01	3.0456+05	3.5747-03	1.6410+00
61	468.41	2.6390+00	4.3368-01	1.4639-03	4.3368-01	1.4639-03	2.0799-03	3.3354-02	3.1403+04	3.6928-04	3.0090+00
62	476.77	2.5933+00	4.2467-01	1.4433-03	4.2467-01	1.4433-03	2.0506-03	3.2884-02	3.0961+04	3.6420-04	3.3930+00
63	479.45	2.7886+00	4.4913-01	1.5298-03	4.4913-01	1.5298-03	2.1735-03	3.4854-02	3.2816+04	3.8606-04	3.7770+00
64	428.84	2.1464+01	3.5362+00	1.1566-02	3.5362+00	1.1566-02	1.6432-02	2.6351-01	2.4810+05	2.9129-03	1.0880+00
65	420.25	2.3587+01	3.8624+00	1.2548-02	3.8624+00	1.2548-02	1.7828-02	2.8589-01	2.6917+05	3.1592-03	1.3070+00
66	420.48	2.6490+01	4.3385+00	1.4097-02	4.3385+00	1.4097-02	2.0029-02	3.2119-01	3.0240+05	3.5493-03	1.6410+00
69	438.99	6.0904+00	1.0106+00	3.3317-03	1.0106+00	3.3317-03	4.7336-03	7.5909-02	7.1469+04	8.3945-04	4.1100-01
70	433.89	2.2910+01	3.7879+00	1.2438-02	3.7879+00	1.2438-02	1.7672-02	2.8339-01	2.6681+05	3.1333-03	7.1100-01
71	419.23	2.4782+01	4.0433+00	1.3125-02	4.0433+00	1.3125-02	1.8648-02	2.9904-01	2.8155+05	3.3044-03	1.3070+00
72	421.39	2.7503+01	4.5073+00	1.4656-02	4.5073+00	1.4656-02	2.0823-02	3.3392-01	3.1439+05	3.6902-03	1.6410+00
73	462.70	3.7938+00	6.1547-01	2.0680-03	6.1547-01	2.0680-03	2.9381-03	4.7116-02	4.4360+04	5.2153-04	3.7770+00
74	445.54	4.1335+00	6.7285-01	2.2299-03	6.7285-01	2.2299-03	3.1682-03	5.0805-02	4.7834+04	5.6198-04	5.3230+00
77	431.30	2.8925+00	4.7318-01	1.5506-03	4.7318-01	1.5506-03	2.2030-03	3.5328-02	3.3262+04	3.9056-04	3.0090+00
78	454.53	2.5361+00	4.1662-01	1.3907-03	4.1662-01	1.3907-03	1.9758-03	3.1685-02	2.9832+04	3.5061-04	3.3930+00
79	472.02	2.3553+00	3.8450-01	1.3017-03	3.8450-01	1.3017-03	1.8494-03	2.9658-02	2.7923+04	3.2840-04	3.7770+00
80	413.94	3.2623+00	5.3336-01	1.7243-03	5.3336-01	1.7243-03	2.4498-03	3.9286-02	3.6988+04	4.3402-04	2.4660+00
81	428.17	2.9023+00	4.7375-01	1.5487-03	4.7375-01	1.5487-03	2.2003-03	3.5284-02	3.3220+04	3.9003-04	3.0090+00
82	453.67	2.5179+00	4.1463-01	1.3831-03	4.1463-01	1.3831-03	1.9650-03	3.1512-02	2.9669+04	3.4868-04	3.3930+00
83	471.23	2.3496+00	3.8803-01	1.3128-03	3.8803-01	1.3128-03	1.8652-03	2.9911-02	2.8161+04	3.3119-04	3.7770+00
337	478.21	1.0974+01	2.0503+00	6.9763-03	2.0503+00	6.9763-03	9.9117-03	1.5895-01	1.4965+05	1.7605-03	7.1680+00
339	476.12	6.1636+00	1.1745+00	3.9897-03	1.1745+00	3.9897-03	5.6685-03	9.0900-02	8.5584+04	1.0067-03	8.1130+00
340	475.23	2.6561+00	4.9528-01	1.6812-03	4.9528-01	1.6812-03	2.3885-03	3.8303-02	3.6063+04	4.2419-04	8.6180+00
342	471.32	1.1471+01	2.2016+00	7.4494-03	2.2016+00	7.4494-03	1.0584-02	1.6973-01	1.5980+05	1.8793-03	7.1680+00
344	463.60	7.9777+00	1.5154+00	5.0956-03	1.5154+00	5.0956-03	7.2396-03	1.1610-01	1.0931+05	1.2851-03	8.1130+00
347	468.26	1.5189+01	2.8191+00	9.5148-03	2.8191+00	9.5148-03	1.3518-02	2.1678-01	2.0410+05	2.4001-03	7.1680+00
349	456.84	9.4717+00	1.7864+00	5.9739-03	1.7864+00	5.9739-03	8.4876-03	1.3611-01	1.2815+05	1.5062-03	8.1130+00
350	452.31	2.0478+00	3.5495-01	1.1827-03	3.5495-01	1.1827-03	1.6803-03	2.6946-02	2.5370+04	2.9814-04	8.6180+00
352	469.41	1.7830+01	3.2323+00	1.0920-02	3.2323+00	1.0920-02	1.5515-02	2.4879-01	2.3424+05	2.7546-03	7.1680+00
354	462.30	8.4088+00	1.5876+00	5.3328-03	1.5876+00	5.3328-03	7.5766-03	1.2150-01	1.1439+05	1.3449-03	8.1130+00
357	476.23	1.7707+01	3.2159+00	1.0925-02	3.2159+00	1.0925-02	1.5522-02	2.4891-01	2.3435+05	2.7566-03	7.1680+00
359	473.86	7.6125+00	1.3539+00	4.5905-03	1.3539+00	4.5905-03	6.5220-03	1.0459-01	9.8472+04	1.1582-03	8.1130+00
401	439.78	1.9050+01	1.5628+00	5.1557-03	1.5628+00	5.1557-03	7.3251-03	1.1747-01	1.1060+05	1.2991-03	4.5500-01
403	439.39	4.1185+01	3.3378+00	1.1008-02	3.3378+00	1.1008-02	1.5640-02	2.5080-01	2.3613+05	2.7736-03	6.8600-01
404	437.31	3.7971+01	3.0913+00	1.0178-02	3.0913+00	1.0178-02	1.4461-02	2.3190-01	2.1833+05	2.5643-03	8.0100-01
405	438.34	5.6177+01	4.5495+00	1.4992-02	4.5495+00	1.4992-02	2.1300-02	3.4156-01	3.2159+05	3.7771-03	1.0510+00
406	432.55	4.0002+01	3.2459+00	1.0647-02	3.2459+00	1.0647-02	1.5127-02	2.4258-01	2.2839+05	2.6819-03	1.1670+00
407	432.16	4.6455+01	3.8358+00	1.2578-02	3.8358+00	1.2578-02	1.7871-02	2.8658-01	2.6982+05	3.1683-03	1.2830+00
408	438.22	1.6830+01	1.3466+00	4.4368-03	1.3466+00	4.4368-03	6.3037-03	1.0109-01	9.5175+04	1.1179-03	5.1300-01
409	438.34	1.6074+01	1.3096+00	4.3154-03	1.3096+00	4.3154-03	6.1312-03	9.8321-02	9.2570+04	1.0873-03	5.7000-01
410	436.87	2.0159+01	1.5821+00	5.2072-03	1.5821+00	5.2072-03	7.3962-03	1.1864-01	1.1170+05	1.3119-03	6.2800-01
411	439.90	2.4034+01	1.9602+00	6.4674-03	1.9602+00	6.4674-03	9.1887-03	1.4735-01	1.3873+05	1.6296-03	6.8600-01
412	449.72	2.1983+01	1.7944+00	5.9666-03	1.7944+00	5.9666-03	8.4771-03	1.3594-01	1.2799+05	1.5039-03	7.4400-01
413	440.00	2.8484+01	2.3371+00	7.7114-03	2.3371+00	7.7114-03	1.0956-02	1.7569-01	1.6542+05	1.9430-03	8.0100-01
414	435.96	3.0838+01	2.4933+00	8.2006-03	2.4933+00	8.2006-03	1.1651-02	1.8684-01	1.7591+05	2.0660-03	8.5900-01
415	442.32	4.1388+01	3.3812+00	1.1177-02	3.3812+00	1.1177-02	1.5880-02	2.5465-01	2.3976+05	2.8165-03	9.1700-01
416	439.25	2.3277+01	1.7620+00	5.8104-03	1.7620+00	5.8104-03	8.2553-03	1.3238-01	1.2464+05	1.4640-03	5.7000-01
417	434.70	4.0395+01	3.2631+00	1.0722-02	3.2631+00	1.0722-02	1.5233-02	2.4428-01	2.2999+05	2.7010-03	1.0520+00

14 1 11.98 -.02 .00 -.00 402 1 2.20 10.04 214.2 1642.8

8.03274+01 4.75022-03 3.35180-01 4.40921+03 4.96149-06 6.50652-08 2.82070-02 7.72000+00 6.68111-06 7.51827-02

1	442.04	7.8525+00	1.3057+00	4.3173-03	1.3057+00	4.3173-03	6.1338-03	9.8363-02	9.2610+04	1.0874-03	4.1100-01
2	437.94	3.4171+01	5.6657+00	1.8673-02	5.6657+00	1.8673-02	2.6530-02	4.2543-01	4.0055+05	4.7023-03	7.1100-01
3	426.48	2.9086+01	4.7840+00	1.5625-02	4.7840+00	1.5625-02	2.2200-02	3.5600-01	3.3518+05	3.9331-03	1.3070+00
4	420.63	2.9676+01	4.8609+00	1.5804-02	4.8609+00	1.5804-02	2.2454-02	3.6067-01	3.3901+05	3.9772-03	1.6410+00
5	416.13	1.9916+01	3.4039+00	1.1028-02	3.4039+00	1.1028-02	1.5668-02	2.5126-01	2.3656+05	2.7748-03	1.7720+00
6	413.24	3.8468+00	6.1760-01	1.9965-03	6.1760-01	1.9965-03	2.8365-03	4.5487-02	4.2826+04	5.0228-04	2.4660+00
7	426.31	3.3034+00	5.3374-01	1.7430-03	5.3374-01	1.7430-03	2.4764-03	3.9712-02	3.7390+04	4.3874-04	3.0090+00
8	449.80	2.8904+00	4.7047-01	1.5652-03	4.7047-01	1.5652-03	2.2238-03	3.5662-02	3.3576+04	3.9435-04	3.3930+00
9	471.49	2.5397+00	4.1950-01	1.4203-03	4.1950-01	1.4203-03	2.0179-03	3.2359-02	3.0467+04	3.5813-04	3.7770+00
10	481.83	2.7896+00	4.6532-01	1.5888-03	4.6532-01	1.5888-03	2.2573-03	3.6199-02	3.4082+04	4.0080-04	5.3230+00
14	432.44	2.6782+01	4.4236+00	1.4516-02	4.4236+00	1.4516-02	2.0624-02	3.3073-01	3.1138+05	3.6547-03	1.0880+00
15	427.21	3.0278+01	4.9825+00	1.6283-02	4.9825+00	1.6283-02	2.3134-02	3.7098-01	3.4929+05	4.0988-03	1.3070+00
16	420.64	3.2039+01	5.2479+00	1.7062-02	5.2479+00	1.7062-02	2.4242-02	3.8874-01	3.6601+05	4.2939-03	1.6410+00
19	446.36	7.9959+00	1.2126+00	4.0233-03	1.2126+00	4.0233-03	5.7162-03	9.1666-02	8.6304+04	1.0135-03	4.1100-01
20	447.67	2.8662+01	4.5606+00	1.5147-02	4.5606+00	1.5147-02	2.1521-02	3.4511-01	3.2492+05	3.8159-03	7.1100-01
21	435.70	3.5064+01	5.6179+00	1.8682-02	5.6179+00	1.8682-02	2.6259-02	4.2110-01	3.9647+05	4.6540-03	1.0880+00
22	426.72	3.3423+01	5.3535+00	1.7788-02	5.3535+00	1.7788-02	2.4847-02	3.9845-01	3.7515+05	4.4021-03	1.3070+00
23	419.13	2.9787+01	4.6742+00	1.5179-02	4.6742+00	1.5179-02	2.1566-02	3.4584-01	3.2561+05	3.8198-03	1.6410+00
24	425.69	3.4109+00	5.4595-01	1.7820-03	5.4595-01	1.7820-03	2.5319-03	4.0601-02	3.8227+04	4.4855-04	3.0090+00
25	446.31	3.1382+00	4.9734-01	1.6500-03	4.9734-01	1.6500-03	2.3443-03	3.7593-02	3.5395+04	4.1565-04	3.3930+00
26	467.38	2.7704+00	4.4812-01	1.5121-03	4.4812-01	1.5121-03	2.1484-03	3.4452-02	3.2437+04	3.8123-04	3.7770+00
27	449.22	3.8718+01	6.1671+00	2.0508-02	6.1671+00	2.0508-02	2.9137-02	4.6725-01	4.3992+05	5.1668-03	7.1100-01
28	438.06	3.4833+01	5.5902+00	1.8425-02	5.5902+00	1.8425-02	2.6178-02	4.1960-01	3.9525+05	4.6400-03	1.0880+00
29	433.48	3.6105+01	5.8630+00	1.9255-02	5.8630+00	1.9255-02	2.7357-02	4.3870-01	4.1304+05	4.8481-03	1.3070+00
30	422.00	3.0779+01	4.9727+00	1.6185-02	4.9727+00	1.6185-02	2.2995-02	3.6875-01	3.4718+05	4.0732-03	1.6410+00
31	416.66	2.0941+01	3.4204+00	1.1086-02	3.4204+00	1.1086-02	1.5751-02	2.5258-01	2.3781+05	2.7895-03	1.7720+00
32	418.55	3.2109+00	5.1748-01	1.6797-03	5.1748-01	1.6797-03	2.3865-03	3.8270-02	3.6032+04	4.2268-04	2.4660+00
33	432.12	3.2977+00	5.3818-01	1.7656-03	5.3818-01	1.7656-03	2.5085-03	4.0226-02	3.7873+04	4.4452-04	3.0090+00
34	453.44	3.0670+00	5.0046-01	1.6699-03	5.0046-01	1.6699-03	2.3725-03	3.8046-02	3.5821+04	4.2077-04	3.3930+00
35	471.76	2.9875+00	4.7280-01	1.6011-03	4.7280-01	1.6011-03	2.2748-03	3.6479-02	3.4345+04	4.0373-04	3.7770+00
36	436.17	3.8629+01	6.2099+00	2.0438-02	6.2099+00	2.0438-02	2.9037-02	4.6564-01	4.3841+05	5.1464-03	1.3070+00
37	423.90	6.5559+00	1.0732+00	3.4981-03	1.0732+00	3.4981-03	4.9699-03	7.9699-02	7.5037+04	8.8043-04	2.4660+00
38	442.70	4.5881+00	7.4316-01	2.4585-03	7.4316-01	2.4585-03	3.4930-03	5.6014-02	5.2738+04	6.1923-04	3.0090+00
39	462.40	3.7486+00	6.1171-01	2.0558-03	6.1171-01	2.0558-03	2.9209-03	4.6839-02	4.4100+04	5.1821-04	3.3930+00
40	476.76	3.3455+00	5.4619-01	1.8572-03	5.4619-01	1.8572-03	2.6386-03	4.2314-02	3.9834+04	4.6840-04	3.7770+00
41	483.38	3.1678+00	5.0836-01	1.7380-03	5.0836-01	1.7380-03	2.4693-03	3.9598-02	3.7282+04	4.3845-04	4.1620+00
43	460.69	3.2343+00	5.3832-01	1.8067-03	5.3832-01	1.8067-03	2.5669-03	4.1163-02	3.8756+04	4.5538-04	5.3230+00
47	452.75	4.2364+01	6.8265+00	2.2765-02	6.8265+00	2.2765-02	3.2344-02	5.1867-01	4.8834+05	5.7362-03	7.1100-01
48	440.27	3.9956+01	6.4998+00	2.1461-02	6.4998+00	2.1461-02	3.0491-02	4.8896-01	4.6036+05	5.4050-03	1.0880+00
49	429.52	2.9888+01	4.8545+00	1.5893-02	4.8545+00	1.5893-02	2.2581-02	3.6211-01	3.4093+05	4.0010-03	1.3070+00
50	425.92	3.3555+01	5.4685+00	1.7853-02	5.4685+00	1.7853-02	2.5365-02	4.0676-01	3.8297+05	4.4938-03	1.6410+00
51	422.59	2.1411+01	3.5120+00	1.1436-02	3.5120+00	1.1436-02	1.6248-02	2.6055-01	2.4531+05	2.8781-03	1.7720+00
52	435.07	3.2016+00	5.2977-01	1.7420-03	5.2977-01	1.7420-03	2.4750-03	3.9690-02	3.7369+04	4.3865-04	2.4660+00
53	454.85	3.2364+00	5.2860-01	1.7658-03	5.2860-01	1.7658-03	2.5088-03	4.0231-02	3.7878+04	4.4496-04	3.0090+00
54	472.36	3.2758+00	5.3489-01	1.8123-03	5.3489-01	1.8123-03	2.5748-03	4.1290-02	3.8875+04	4.5699-04	3.3930+00
55	479.08	3.2701+00	5.2656-01	1.7939-03	5.2656-01	1.7939-03	2.5487-03	4.0871-02	3.8480+04	4.5247-04	3.7770+00
56	445.51	1.0061+01	1.5396+00	5.1048-03	1.5396+00	5.1048-03	7.2527-03	1.1631-01	1.0950+05	1.2859-03	4.1100-01
57	447.39	3.3238+01	5.3039+00	1.7612-02	5.3039+00	1.7612-02	2.5022-02	4.0126-01	3.7779+05	4.4367-03	7.1100-01
58	440.78	4.0585+01	6.6044+00	2.1815-02	6.6044+00	2.1815-02	3.0994-02	4.9703-01	4.6796+05	5.4943-03	1.0880+00
59	431.73	3.6911+01	5.9867+00	1.9634-02	5.9867+00	1.9634-02	2.7895-02	4.4734-01	4.2117+05	4.9432-03	1.3070+00
60	428.66	3.5686+01	5.7927+00	1.8952-02	5.7927+00	1.8952-02	2.6926-02	4.3180-01	4.0654+05	4.7709-03	1.6410+00
61	469.16	3.0894+00	5.0795-01	1.7165-03	5.0795-01	1.7165-03	2.4308-03	3.9108-02	3.6821+04	4.3279-04	3.0090+00
62	477.50	2.9979+00	4.9118-01	1.6712-03	4.9118-01	1.6712-03	2.3743-03	3.8075-02	3.5848+04	4.2150-04	3.3930+00
63	480.24	3.0909+00	4.9808-01	1.6984-03	4.9808-01	1.6984-03	2.4131-03	3.8697-02	3.6434+04	4.2842-04	3.7770+00
64	435.35	3.0576+01	5.0604+00	1.6644-02	5.0604+00	1.6644-02	2.3647-02	3.7921-01	3.5703+05	4.1909-03	1.0880+00
65	427.55	3.3869+01	5.5749+00	1.8224-02	5.5749+00	1.8224-02	2.5891-02	4.1520-01	3.9092+05	4.5873-03	1.3070+00
66	428.06	3.3955+01	5.5911+00	1.8284-02	5.5911+00	1.8284-02	2.5977-02	4.1658-01	3.9221+05	4.6026-03	1.6410+00
69	440.92	9.9112+00	1.6467+00	5.4400-03	1.6467+00	5.4400-03	7.7290-03	1.2394-01	1.1669+05	1.3701-03	4.1100-01
70	441.31	3.4615+01	5.7528+00	1.9010-02	5.7528+00	1.9010-02	2.7009-02	4.3313-01	4.0779+05	4.7879-03	7.1100-01
71	426.98	3.5322+01	5.7947+00	1.8934-02	5.7947+00	1.8934-02	2.6900-02	4.3138-01	4.0615+05	4.7660-03	1.3070+00
72	429.31	3.4684+01	5.7162+00	1.8711-02	5.7162+00	1.8711-02	2.6584-02	4.2631-01	4.0138+05	4.7104-03	1.6410+00
73	463.84	3.9569+00	6.4242-01	2.1616-03	6.4242-01	2.1616-03	3.0711-03	4.9248-02	4.6368+04	5.4489-04	3.7770+00
74	446.53	3.3247+00	5.4156-01	1.7971-03	5.4156-01	1.7971-03	2.5532-03	4.0944-02	3.8549+04	4.5270-04	5.3230+00
77	432.21	3.7527+00	6.1430-01	2.0154-03	6.1430-01	2.0154-03	2.8634-03	4.5919-02	4.3233+04	5.0743-04	3.0090+00
78	455.33	3.3003+00	5.4245-01	1.8127-03	5.4245-01	1.8127-03	2.5755-03	4.1301-02	3.8885+04	4.5680-04	3.3930+00
79	472.75	3.0229+00	4.9371-01	1.6733-03	4.9371-01	1.6733-03	2.3773-03	3.8123-02	3.5894+04	4.2195-04	3.7770+00
80	414.91	4.0374+00	6.6054-01	2.1380-03	6.6054-01	2.1380-03	3.0377-03	4.8712-02	4.5863+04	5.3794-04	2.4660+00
81	429.05	3.5725+00	5.8349-01	1.9096-03	5.8349-01	1.9096-03	2.7131-03	4.3508-02	4.0963+04	4.8073-04	3.0090+00
82	454.44	3.1657+00	5.2158-01	1.7417-03	5.2158-01	1.7417-03	2.4746-03	3.9663-02	3.7362+04	4.3890-04	3.3930+00
83	471.94	2.9896+00	4.9395-01	1.6730-03	4.9395-01	1.6730-03	2.3769-03	3.8116-02	3.5887+04	4.2186-04	3.7770+00
337	481.61	1.2781+01	2.3933+00	8.1702-03	2.3933+00	8.1702-03	1.1608-02	1.8615-01	1.7526+05	2.0610-03	7.1680+00
339	477.86	6.2597+00	1.1942+00	4.0643-03	1.1942+00	4.0643-03	5.7744-03	9.2600-02	8.7184+04	1.0251-03	8.1130+00
340	475.94	2.2327+00	4.1653-01	1.4153-03	4.1653-01	1.4153-03	2.0109-03	3.2247-02	3.0361+04	3.5695-04	8.6180+00
342	474.71	1.3172+01	2.5340+00	8.6017-03	2.5340+00	8.6017-03	1.2221-02	1.9598-01	1.8452+05	2.1693-03	7.1680+00
344	465.72	7.5693+00	1.4399+00	4.8523-03	1.4399+00	4.8523-03	6.8940-03	1.1055-01	1.0409+05	1.2233-03	8.1130+00
347	472.22	1.3954+01	2.5968+00	8.7973-03	2.5968+00	8.7973-03	1.2499-02	2.0043-01	1.8871+05	2.2184-03	7.1680+00
349	459.18	7.8036+00	1.4741+00	4.9414-03	1.4741+00	4.9414-03	7.0205-03	1.1258-01	1.0600+05	1.2454-03	8.1130+00
350	452.80	1.7803+00	3.0868-01	1.0294-03	3.0868-01	1.0294-03	1.4626-03	2.3454-02	2.2082+04	2.5939-04	8.6180+00
352	473.73	1.4636+01	2.6610+00	9.0259-03	2.6610+00	9.0259-03	1.2824-02	2.0564-01	1.9362+05	2.2762-03	7.1680+00
354	464.41	7.2291+00	1.3668+00	4.6012-03	1.3668+00	4.6012-03	6.5372-03	1.0483-01	9.8701+04	1.1599-03	8.1130+00
357	480.43	1.4223+01	2.5904+00	8.8345-03	2.5904+00	8.8345-03	1.2552-02	2.0128-01	1.8951+05	2.2285-03	7.1680+00
359	475.80	6.7205+00	1.1968+00	4.0663-03	1.1968+00	4.0663-03	5.7772-03	9.2645-02	8.7226+04	1.0255-03	8.1130+00
401	446.57	3.0855+01	2.5432+00	8.4392-03	2.5432+00	8.4392-03	1.1990-02	1.9228-01	1.8103+05	2.1259-03	4.5500-01
403	454.39	6.7656+01	5.5400+00	1.8499-02	5.5400+00	1.8499-02	2.6283-02	4.2148-01	3.9683+05	4.6616-03	6.8600-01
404	450.17	6.8382+01	5.6168+00	1.8692-02	5.6168+00	1.8692-02	2.6557-02	4.2588-01	4.0097+05	4.7095-03	8.0100-01
405	458.61	8.5791+01	7.0452+00	2.3605-02	7.0452+00	2.3605-02	3.3537-02	5.3781-01	5.0636+05	5.9492-03	1.0510+00
406	446.65	6.9279+01	5.6768+00	1.8839-02	5.6768+00	1.8839-02	2.6766-02	4.2922-01	4.0412+05	4.7458-03	1.1670+00
407	448.44	7.8646+01	6.5674+00	2.1826-02	6.5674+00	2.1826-02	3.1009-02	4.9727-01	4.6819+05	5.4986-03	1.2830+00
408	443.98	2.9493+01	2.3691+00	7.8454-03	2.3691+00	7.8454-03	1.1147-02	1.7875-01	1.6829+05	1.9762-03	5.1300-01
409	443.06	2.4722+01	2.0207+00	6.6867-03	2.0207+00	6.6867-03	9.5003-03	1.5235-01	1.4344+05	1.6842-03	5.7000-01
410	443.87	3.1570+01	2.4897+00	8.2441-03	2.4897+00	8.2441-03	1.1713-02	1.8783-01	1.7685+05	2.0766-03	6.2800-01
411	448.03	3.7128+01	3.0452+00	1.0117-02	3.0452+00	1.0117-02	1.4374-02	2.3050-01	2.1702+05	2.5487-03	6.8600-01
412	457.53	3.6818+01	3.0213+00	1.0114-02	3.0213+00	1.0114-02	1.4370-02	2.3044-01	2.1697+05	2.5490-03	7.4400-01
413	449.63	4.6325+01	3.8263+00	1.2728-02	3.8263+00	1.2728-02	1.8084-02	2.9000-01	2.7304+05	3.2068-03	8.0100-01
414	446.89	5.1476+01	4.1935+00	1.3919-02	4.1935+00	1.3919-02	1.9776-02	3.1713-01	2.9858+05	3.5065-03	8.5900-01
415	456.59	6.5257+01	5.3837+00	1.8009-02	5.3837+00	1.8009-02	2.5587-02	4.1031-01	3.8631+05	4.5385-03	9.1700-01
416	447.38	3.5458+01	2.6993+00	8.9631-03	2.6993+00	8.9631-03	1.2734-02	2.0421-01	1.9227+05	2.2580-03	5.7000-01
417	448.96	6.4444+01	5.2575+00	1.7480-02	5.2575+00	1.7480-02	2.4835-02	3.9825-01	3.7496+05	4.4037-03	1.0520+00

14 1 11.98 -.02 .00 -.00 402 1 2.45 10.04 214.2 1643.2

8.03455+01 4.75008-03 3.35170-01 4.40971+03 4.96023-06 6.50798-08 2.81967-02 7.72000+00 6.68282-06 7.51803-02

1	444.64	1.1615+01	1.9347+00	6.4104-03	1.9347+00	6.4104-03	9.1089-03	1.4605-01	1.3747+05	1.6143-03	4.1100-01
2	449.77	4.8233+01	8.0629+00	2.6824-02	8.0629+00	2.6824-02	3.8116-02	6.1115-01	5.7526+05	6.7562-03	7.1100-01
3	436.27	3.9101+01	6.4756+00	2.1314-02	6.4756+00	2.1314-02	3.0286-02	4.8561-01	4.5709+05	5.3655-03	1.3070+00
4	430.09	3.8031+01	6.2712+00	2.0541-02	6.2712+00	2.0541-02	2.9188-02	4.6799-01	4.4051+05	5.1697-03	1.6410+00
5	421.58	2.2548+01	3.8687+00	1.2587-02	3.8687+00	1.2587-02	1.7886-02	2.8679-01	2.6994+05	3.1669-03	1.7720+00
6	414.34	4.2961+00	6.9029-01	2.2333-03	6.9029-01	2.2333-03	3.1735-03	5.0883-02	4.7895+04	5.6174-04	2.4660+00
7	427.29	3.7636+00	6.0852-01	1.9888-03	6.0852-01	1.9888-03	2.8260-03	4.5312-02	4.2650+04	5.0048-04	3.0090+00
8	450.70	3.2343+00	5.2677-01	1.7538-03	5.2677-01	1.7538-03	2.4921-03	3.9958-02	3.7611+04	4.4174-04	3.3930+00
9	472.19	2.8733+00	4.7481-01	1.6085-03	4.7481-01	1.6085-03	2.2856-03	3.6647-02	3.4495+04	4.0548-04	3.7770+00
10	482.55	2.7382+00	4.5696-01	1.5612-03	4.5696-01	1.5612-03	2.2184-03	3.5570-02	3.3481+04	3.9372-04	5.3230+00
14	441.55	3.6412+01	6.0524+00	2.0004-02	6.0524+00	2.0004-02	2.8426-02	4.5577-01	4.2901+05	5.0369-03	1.0880+00
15	437.42	4.0681+01	6.7427+00	2.2213-02	6.7427+00	2.2213-02	3.1564-02	5.0609-01	4.7637+05	5.5921-03	1.3070+00
16	430.79	4.0732+01	6.7198+00	2.2022-02	6.7198+00	2.2022-02	3.1293-02	5.0174-01	4.7228+05	5.5427-03	1.6410+00
19	448.91	9.9439+00	1.5107+00	5.0225-03	1.5107+00	5.0225-03	7.1368-03	1.1443-01	1.0771+05	1.2650-03	4.1100-01
20	457.52	4.0054+01	6.4163+00	2.1479-02	6.4163+00	2.1479-02	3.0521-02	4.8938-01	4.6064+05	5.4116-03	7.1100-01
21	447.61	4.7731+01	7.7108+00	2.5609-02	7.7108+00	2.5609-02	3.6389-02	5.8346-01	5.4919+05	6.4495-03	1.0880+00
22	438.03	4.5277+01	7.3101+00	2.4094-02	7.3101+00	2.4094-02	3.4236-02	5.4894-01	5.1670+05	6.0657-03	1.3070+00
23	428.55	3.8488+01	6.0802+00	1.9891-02	6.0802+00	1.9891-02	2.8265-02	4.5319-01	4.2658+05	5.0059-03	1.6410+00
24	426.72	4.1470+00	6.6425-01	2.1699-03	6.6425-01	2.1699-03	3.0834-03	4.9439-02	4.6536+04	5.4606-04	3.0090+00
25	447.25	3.7023+00	5.8712-01	1.9494-03	5.8712-01	1.9494-03	2.7700-03	4.4414-02	4.1805+04	4.9094-04	3.3930+00
26	468.19	3.2774+00	5.3041-01	1.7910-03	5.3041-01	1.7910-03	2.5450-03	4.0806-02	3.8409+04	4.5143-04	3.7770+00
27	462.59	5.4250+01	8.7201+00	2.9311-02	8.7201+00	2.9311-02	4.1650-02	6.6781-01	6.2859+05	7.3863-03	7.1100-01
28	449.93	4.7911+01	7.7523+00	2.5794-02	7.7523+00	2.5794-02	3.6653-02	5.8769-01	5.5317+05	6.4969-03	1.0880+00
29	444.72	4.3559+01	7.1289+00	2.3622-02	7.1289+00	2.3622-02	3.3566-02	5.3819-01	5.0658+05	5.9485-03	1.3070+00
30	431.64	3.8940+01	6.3342+00	2.0772-02	6.3342+00	2.0772-02	2.9517-02	4.7327-01	4.4547+05	5.2282-03	1.6410+00
31	422.33	2.3463+01	3.8478+00	1.2527-02	3.8478+00	1.2527-02	1.7800-02	2.8540-01	2.6864+05	3.1518-03	1.7720+00
32	419.47	3.6577+00	5.8986-01	1.9160-03	5.8986-01	1.9160-03	2.7226-03	4.3655-02	4.1091+04	4.8203-04	2.4660+00
33	433.08	3.8281+00	6.2516-01	2.0525-03	6.2516-01	2.0525-03	2.9165-03	4.6763-02	4.4017+04	5.1663-04	3.0090+00
34	454.33	3.6130+00	5.8991-01	1.9697-03	5.8991-01	1.9697-03	2.7989-03	4.4878-02	4.2242+04	4.9621-04	3.3930+00
35	472.60	3.3179+00	5.2538-01	1.7804-03	5.2538-01	1.7804-03	2.5299-03	4.0564-02	3.8181+04	4.4883-04	3.7770+00
36	448.05	4.5510+01	7.3765+00	2.4507-02	7.3765+00	2.4507-02	3.4824-02	5.5836-01	5.2557+05	6.1722-03	1.3070+00
37	425.79	7.3652+00	1.2073+00	3.9410-03	1.2073+00	3.9410-03	5.6000-03	8.9790-02	8.4517+04	9.9171-04	2.4660+00
38	443.93	4.8785+00	7.9086-01	2.6189-03	7.9086-01	2.6189-03	3.7213-03	5.9668-02	5.6164+04	6.5947-04	3.0090+00
39	463.48	3.9714+00	6.4854-01	2.1815-03	6.4854-01	2.1815-03	3.0999-03	4.9703-02	4.6784+04	5.4976-04	3.3930+00
40	477.60	3.3444+00	5.4632-01	1.8589-03	5.4632-01	1.8589-03	2.6415-03	4.2353-02	3.9866+04	4.6872-04	3.7770+00
41	484.19	3.2514+00	5.2206-01	1.7860-03	5.2206-01	1.7860-03	2.5378-03	4.0692-02	3.8302+04	4.5045-04	4.1620+00
43	461.37	2.7642+00	4.6028-01	1.5456-03	4.6028-01	1.5456-03	2.1963-03	3.5215-02	3.3147+04	3.8948-04	5.3230+00
47	466.03	5.1865+01	8.4330+00	2.8425-02	8.4330+00	2.8425-02	4.0391-02	6.4763-01	6.0960+05	7.1640-03	7.1100-01
48	452.63	4.7933+01	7.8641+00	2.6223-02	7.8641+00	2.6223-02	3.7262-02	5.9746-01	5.6237+05	6.6055-03	1.0880+00
49	439.45	4.0443+01	6.6146+00	2.1826-02	6.6146+00	2.1826-02	3.1014-02	4.9727-01	4.6807+05	5.4951-03	1.3070+00
50	435.85	3.8734+01	6.3566+00	2.0915-02	6.3566+00	2.0915-02	2.9720-02	4.7652-01	4.4854+05	5.2651-03	1.6410+00
51	428.30	2.3262+01	3.8310+00	1.2530-02	3.8310+00	1.2530-02	1.7805-02	2.8549-01	2.6872+05	3.1534-03	1.7720+00
52	435.89	3.2930+00	5.4522-01	1.7940-03	5.4522-01	1.7940-03	2.5492-03	4.0874-02	3.8473+04	4.5161-04	2.4660+00
53	455.71	3.5216+00	5.7552-01	1.9238-03	5.7552-01	1.9238-03	2.7337-03	4.3832-02	4.1258+04	4.8467-04	3.0090+00
54	473.21	3.3507+00	5.4742-01	1.8560-03	5.4742-01	1.8560-03	2.6373-03	4.2286-02	3.9803+04	4.6790-04	3.3930+00
55	479.90	3.3340+00	5.3714-01	1.8311-03	5.3714-01	1.8311-03	2.6020-03	4.1720-02	3.9270+04	4.6175-04	3.7770+00
56	448.64	1.2520+01	1.9200+00	6.3819-03	1.9200+00	6.3819-03	9.0684-03	1.4540-01	1.3686+05	1.6073-03	4.1100-01
57	457.93	4.1304+01	6.6386+00	2.2231-02	6.6386+00	2.2231-02	3.1589-02	5.0650-01	4.7675+05	5.6010-03	7.1100-01
58	453.23	4.7893+01	7.8607+00	2.6224-02	7.8607+00	2.6224-02	3.7263-02	5.9748-01	5.6239+05	6.6060-03	1.0880+00
59	443.04	4.3506+01	7.1120+00	2.3534-02	7.1120+00	2.3534-02	3.3441-02	5.3619-01	5.0470+05	5.9260-03	1.3070+00
60	439.05	4.0148+01	6.5645+00	2.1654-02	6.5645+00	2.1654-02	3.0769-02	4.9335-01	4.6438+05	5.4517-03	1.6410+00
61	469.95	3.0966+00	5.0942-01	1.7226-03	5.0942-01	1.7226-03	2.4477-03	3.9246-02	3.6942+04	4.3421-04	3.0090+00
62	478.24	2.9901+00	4.9015-01	1.6687-03	4.9015-01	1.6687-03	2.3711-03	3.8018-02	3.5785+04	4.2075-04	3.3930+00
63	480.96	2.9143+00	4.6984-01	1.6031-03	4.6984-01	1.6031-03	2.2780-03	3.6525-02	3.4380+04	4.0427-04	3.7770+00
64	444.68	3.5903+01	5.9808+00	1.9817-02	5.9808+00	1.9817-02	2.8159-02	4.5150-01	4.2499+05	4.9903-03	1.0880+00
65	437.84	3.9267+01	6.5101+00	2.1454-02	6.5101+00	2.1454-02	3.0485-02	4.8880-01	4.6010+05	5.4012-03	1.3070+00
66	437.83	3.7853+01	6.2757+00	2.0681-02	6.2757+00	2.0681-02	2.9387-02	4.7120-01	4.4352+05	5.2066-03	1.6410+00
69	444.01	1.2742+01	2.1217+00	7.0261-03	2.1217+00	7.0261-03	9.9839-03	1.6008-01	1.5068+05	1.7693-03	4.1100-01
70	452.01	4.1515+01	6.9506+00	2.3165-02	6.9506+00	2.3165-02	3.2917-02	5.2779-01	4.9680+05	5.8352-03	7.1100-01
71	437.72	4.0856+01	6.7532+00	2.2253-02	6.7532+00	2.2253-02	3.1621-02	5.0700-01	4.7723+05	5.6022-03	1.3070+00
72	439.23	3.8108+01	6.3242+00	2.0864-02	6.3242+00	2.0864-02	2.9647-02	4.7536-01	4.4745+05	5.2529-03	1.6410+00
73	464.72	3.3621+00	5.4617-01	1.8390-03	5.4617-01	1.8390-03	2.6132-03	4.1900-02	3.9439+04	4.6347-04	3.7770+00
74	447.09	2.5107+00	4.0912-01	1.3582-03	4.0912-01	1.3582-03	1.9300-03	3.0945-02	2.9127+04	3.4206-04	5.3230+00
77	433.20	3.9642+00	6.4936-01	2.1321-03	6.4936-01	2.1321-03	3.0297-03	4.8577-02	4.5725+04	5.3667-04	3.0090+00
78	456.19	3.4977+00	5.7524-01	1.9236-03	5.7524-01	1.9236-03	2.7334-03	4.3827-02	4.1253+04	4.8462-04	3.3930+00
79	473.55	3.1382+00	5.1282-01	1.7392-03	5.1282-01	1.7392-03	2.4713-03	3.9624-02	3.7297+04	4.3845-04	3.7770+00
80	415.96	4.1268+00	6.7567-01	2.1888-03	6.7567-01	2.1888-03	3.1102-03	4.9869-02	4.6940+04	5.5057-04	2.4660+00
81	429.94	3.6000+00	5.8836-01	1.9269-03	5.8836-01	1.9269-03	2.7381-03	4.3902-02	4.1324+04	4.8496-04	3.0090+00
82	455.27	3.3205+00	5.4739-01	1.8292-03	5.4739-01	1.8292-03	2.5992-03	4.1675-02	3.9227+04	4.6081-04	3.3930+00
83	472.71	3.0416+00	5.0279-01	1.7040-03	5.0279-01	1.7040-03	2.4213-03	3.8823-02	3.6543+04	4.2957-04	3.7770+00
337	484.61	1.2036+01	2.2583+00	7.7286-03	2.2583+00	7.7286-03	1.0982-02	1.7609-01	1.6574+05	1.9493-03	7.1680+00
339	479.21	5.4255+00	1.0360+00	3.5297-03	1.0360+00	3.5297-03	5.0156-03	8.0419-02	7.5697+04	8.9005-04	8.1130+00
340	476.30	1.4203+00	2.6502-01	9.0080-04	2.6502-01	9.0080-04	1.2800-03	2.0523-02	1.9318+04	2.2712-04	8.6180+00
342	477.91	1.2759+01	2.4597+00	8.3717-03	2.4597+00	8.3717-03	1.1896-02	1.9074-01	1.7954+05	2.1109-03	7.1680+00
344	467.28	6.3948+00	1.2178+00	4.1089-03	1.2178+00	4.1089-03	5.8386-03	9.3615-02	8.8117+04	1.0356-03	8.1130+00
347	475.00	1.1685+01	2.1785+00	7.3968-03	2.1785+00	7.3968-03	1.0511-02	1.6853-01	1.5863+05	1.8649-03	7.1680+00
349	460.56	5.9771+00	1.1301+00	3.7925-03	1.1301+00	3.7925-03	5.3891-03	8.6408-02	8.1334+04	9.5563-04	8.1130+00
350	453.16	1.4348+00	2.4884-01	8.3011-04	2.4884-01	8.3011-04	1.1796-03	1.8913-02	1.7802+04	2.0911-04	8.6180+00
352	476.38	1.1461+01	2.0875+00	7.0957-03	2.0875+00	7.0957-03	1.0083-02	1.6167-01	1.5217+05	1.7891-03	7.1680+00
354	465.80	5.7886+00	1.0955+00	3.6919-03	1.0955+00	3.6919-03	5.2460-03	8.4115-02	7.9175+04	9.3046-04	8.1130+00
357	483.01	1.1102+01	2.0253+00	6.9220-03	2.0253+00	6.9220-03	9.8359-03	1.5771-01	1.4845+05	1.7457-03	7.1680+00
359	477.14	5.5579+00	9.9064-01	3.3695-03	9.9064-01	3.3695-03	4.7879-03	7.6769-02	7.2261+04	8.4958-04	8.1130+00
401	456.12	3.6220+01	3.0049+00	1.0048-02	3.0049+00	1.0048-02	1.4278-02	2.2893-01	2.1549+05	2.5314-03	4.5500-01
403	475.45	7.9456+01	6.5990+00	2.2414-02	6.5990+00	2.2414-02	3.1850-02	5.1068-01	4.8069+05	5.6512-03	6.8600-01
404	472.11	9.0619+01	7.5544+00	2.5590-02	7.5544+00	2.5590-02	3.6362-02	5.8302-01	5.4878+05	6.4509-03	8.0100-01
405	484.14	9.5046+01	7.9391+00	2.7159-02	7.9391+00	2.7159-02	3.8592-02	6.1879-01	5.8245+05	6.8499-03	1.0510+00
406	469.32	8.7762+01	7.3026+00	2.4681-02	7.3026+00	2.4681-02	3.5071-02	5.6232-01	5.2929+05	6.2211-03	1.1670+00
407	474.10	9.7745+01	8.3050+00	2.8178-02	8.3050+00	2.8178-02	4.0040-02	6.4199-01	6.0429+05	7.1039-03	1.2830+00
408	453.54	3.9171+01	3.1673+00	1.0569-02	3.1673+00	1.0569-02	1.5018-02	2.4080-01	2.2666+05	2.6624-03	5.1300-01
409	450.96	3.2933+01	2.7065+00	9.0129-03	2.7065+00	9.0129-03	1.2807-02	2.0535-01	1.9329+05	2.2702-03	5.7000-01
410	453.42	3.7659+01	2.9894+00	9.9746-03	2.9894+00	9.9746-03	1.4174-02	2.2726-01	2.1391+05	2.5127-03	6.2800-01
411	459.22	4.4256+01	3.6576+00	1.2261-02	3.6576+00	1.2261-02	1.7423-02	2.7935-01	2.6295+05	3.0894-03	6.8600-01
412	469.00	4.6046+01	3.8078+00	1.2866-02	3.8078+00	1.2866-02	1.8282-02	2.9314-01	2.7592+05	3.2430-03	7.4400-01
413	463.99	5.8271+01	4.8602+00	1.6355-02	4.8602+00	1.6355-02	2.3240-02	3.7263-01	3.5075+05	4.1217-03	8.0100-01
414	462.92	6.4010+01	5.2719+00	1.7725-02	5.2719+00	1.7725-02	2.5187-02	4.0385-01	3.8013+05	4.4668-03	8.5900-01
415	476.65	7.7500+01	6.4803+00	2.2033-02	6.4803+00	2.2033-02	3.1308-02	5.0199-01	4.7251+05	5.5553-03	9.1700-01
416	457.83	4.1286+01	3.1655+00	1.0599-02	3.1655+00	1.0599-02	1.5061-02	2.4149-01	2.2731+05	2.6705-03	5.7000-01
417	468.67	7.7354+01	6.3956+00	2.1604-02	6.3956+00	2.1604-02	3.0698-02	4.9221-01	4.6331+05	5.4454-03	1.0520+00

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14 1 11.98 -.02 .00 -.00 402 1 2.70 10.04 214.2 1642.7

8.03184+01 4.75029-03 3.35185-01 4.40896+03 4.56712-06 6.50579-08 2.82122-02 7.72000+00 6.68025-06 7.51839-02

1	448.07	1.3636+01	2.2769+00	7.5647-03	2.2769+00	7.5647-03	1.0747-02	1.7235-01	1.6229+05	1.9060-03	4.1100-01
2	463.48	5.2290+01	8.8228+00	2.9678-02	8.8228+00	2.9678-02	4.2162-02	6.7617-01	6.3670+05	7.4822-03	7.1100-01
3	447.04	4.1384+01	6.9050+00	2.2922-02	6.9050+00	2.2922-02	3.2565-02	5.2225-01	4.9177+05	5.7752-03	1.3070+00
4	440.52	3.9870+01	6.6224+00	2.1871-02	6.6224+00	2.1871-02	3.1071-02	4.9829-01	4.6921+05	5.5089-03	1.6410+00
5	427.67	2.4003+01	4.1361+00	1.3521-02	4.1361+00	1.3521-02	1.9210-02	3.0807-01	2.9009+05	3.4042-03	1.7720+00
6	415.43	4.3683+00	7.0244-01	2.2746-03	7.0244-01	2.2746-03	3.2314-03	5.1823-02	4.8798+04	5.7238-04	2.4660+00
7	428.22	3.8457+00	6.2220-01	2.0350-03	6.2220-01	2.0350-03	2.8910-03	4.6364-02	4.3658+04	5.1234-04	3.0090+00
8	451.51	3.1579+00	5.1461-01	1.7144-03	5.1461-01	1.7144-03	2.4356-03	3.9061-02	3.6781+04	4.3203-04	3.3930+00
9	472.93	3.0000+00	4.9599-01	1.6813-03	4.9599-01	1.6813-03	2.3885-03	3.8305-02	3.6070+04	4.2403-04	3.7770+00
10	483.19	2.6327+00	4.3955-01	1.5025-03	4.3955-01	1.5025-03	2.1345-03	3.4232-02	3.2234+04	3.7910-04	5.3230+00
14	451.58	3.8700+01	6.4774+00	2.1581-02	6.4774+00	2.1581-02	3.0659-02	4.9169-01	4.6299+05	5.4383-03	1.0880+00
15	448.61	4.2958+01	7.1754+00	2.3849-02	7.1754+00	2.3849-02	3.3882-02	5.4338-01	5.1166+05	6.0093-03	1.3070+00
16	441.91	4.2634+01	7.0864+00	2.3435-02	7.0864+00	2.3435-02	3.3294-02	5.3394-01	5.0277+05	5.9033-03	1.6410+00
19	451.60	1.0652+01	1.6213+00	5.4019-03	1.6213+00	5.4019-03	7.6743-03	1.2307-01	1.1589+05	1.3613-03	4.1100-01
20	468.78	4.3504+01	7.0219+00	2.3722-02	7.0219+00	2.3722-02	3.3700-02	5.4046-01	5.0892+05	5.9818-03	7.1100-01
21	460.74	5.0821+01	8.2838+00	2.7803-02	8.2838+00	2.7803-02	3.9499-02	6.3345-01	5.9648+05	7.0088-03	1.0880+00
22	450.57	4.8433+01	7.8875+00	2.6258-02	7.8875+00	2.6258-02	3.7303-02	5.9825-01	5.6333+05	6.6166-03	1.3070+00
23	439.20	4.1137+01	6.5473+00	2.1600-02	6.5473+00	2.1600-02	3.0686-02	4.9212-01	4.6339+05	5.4404-03	1.6410+00
24	427.80	4.3190+00	6.9232-01	2.2636-03	6.9232-01	2.2636-03	3.2158-03	5.1572-02	4.8562+04	5.6988-04	3.0090+00
25	448.23	3.9262+00	6.2304-01	2.0702-03	6.2304-01	2.0702-03	2.9411-03	4.7168-02	4.4415+04	5.2163-04	3.3930+00
26	469.05	3.4769+00	5.6302-01	1.9024-03	5.6302-01	1.9024-03	2.7027-03	4.3345-02	4.0815+04	4.7974-04	3.7770+00
27	477.84	5.8648+01	9.5234+00	3.2411-02	9.5234+00	3.2411-02	4.6045-02	7.3844-01	6.9534+05	8.1759-03	7.1100-01
28	463.22	5.1298+01	8.3755+00	2.8167-02	8.3755+00	2.8167-02	4.0016-02	6.4176-01	6.0430+05	7.1013-03	1.0880+00
29	456.16	4.4498+01	7.3400+00	2.4545-02	7.3400+00	2.4545-02	3.4870-02	5.5922-01	5.2658+05	6.1863-03	1.3070+00
30	442.32	4.1123+01	6.7392+00	2.2288-02	6.7392+00	2.2288-02	3.1663-02	5.0780-01	4.7816+05	5.6144-03	1.6410+00
31	428.61	2.4956+01	4.1109+00	1.3449-02	4.1109+00	1.3449-02	1.9107-02	3.0642-01	2.8854+05	3.3861-03	1.7720+00
32	420.40	3.7179+00	5.9998-01	1.9503-03	5.9998-01	1.9503-03	2.7708-03	4.4436-02	4.1842+04	4.9088-04	2.4660+00
33	434.05	3.9226+00	6.4104-01	2.1062-03	6.4104-01	2.1062-03	2.9922-03	4.7987-02	4.5186+04	5.3040-04	3.0090+00
34	455.28	3.7247+00	6.0853-01	2.0335-03	6.0853-01	2.0335-03	2.8869-03	4.6330-02	4.3626+04	5.1250-04	3.3930+00
35	473.45	3.4520+00	5.4691-01	1.8546-03	5.4691-01	1.8546-03	2.6348-03	4.2295-02	3.9789+04	4.6776-04	3.7770+00
36	459.79	4.5713+01	7.4689+00	2.5049-02	7.4689+00	2.5049-02	3.5586-02	5.7070-01	5.3734+05	6.3142-03	1.3070+00
37	427.68	7.6026+00	1.2479+00	4.0795-03	1.2479+00	4.0795-03	5.7956-03	9.2945-02	8.7521+04	1.0271-03	2.4660+00
38	445.21	5.0582+00	8.2672-01	2.7205-03	8.2672-01	2.7205-03	3.8650-03	6.1984-02	5.8366+04	6.8539-04	3.0090+00
39	464.41	3.8005+00	6.2102-01	2.0905-03	6.2102-01	2.0905-03	2.9699-03	4.7630-02	4.4850+04	5.2707-04	3.3930+00
40	478.45	3.4660+00	5.6650-01	1.9289-03	5.6650-01	1.9289-03	2.7404-03	4.3948-02	4.1383+04	4.8660-04	3.7770+00
41	485.04	3.2473+00	5.2168-01	1.7860-03	5.2168-01	1.7860-03	2.5372-03	4.0691-02	3.8316+04	4.5065-04	4.1620+00
43	462.08	2.8078+00	4.6777-01	1.5717-03	4.6777-01	1.5717-03	2.2329-03	3.5809-02	3.3719+04	3.9623-04	5.3230+00
47	479.76	5.3811+01	8.8296+00	3.0097-02	8.8296+00	3.0097-02	4.2758-02	6.8572-01	6.4570+05	7.5928-03	7.1100-01
48	465.14	4.8949+01	8.0990+00	2.7280-02	8.0990+00	2.7280-02	3.8755-02	6.2153-01	5.8526+05	6.8781-03	1.0880+00
49	450.71	4.3649+01	7.1946+00	2.3954-02	7.1946+00	2.3954-02	3.4030-02	5.4575-01	5.1390+05	6.0360-03	1.3070+00
50	446.04	3.9592+01	6.5435+00	2.1705-02	6.5435+00	2.1705-02	3.0835-02	4.9452-01	4.6565+05	5.4684-03	1.6410+00
51	434.46	2.4286+01	4.0170+00	1.3203-02	4.0170+00	1.3203-02	1.8756-02	3.0080-01	2.8325+05	3.3248-03	1.7720+00
52	436.75	3.3823+00	5.6034-01	1.8450-03	5.6034-01	1.8450-03	2.6211-03	4.2036-02	3.9582+04	4.6466-04	2.4660+00
53	456.65	3.7122+00	6.0707-01	2.0308-03	6.0707-01	2.0308-03	2.8851-03	4.6269-02	4.3569+04	5.1186-04	3.0090+00
54	474.10	3.5288+00	5.7687-01	1.9572-03	5.7687-01	1.9572-03	2.7806-03	4.4593-02	4.1990+04	4.9366-04	3.3930+00
55	480.78	3.4914+00	5.6282-01	1.9201-03	5.6282-01	1.9201-03	2.7278-03	4.3746-02	4.1193+04	4.8441-04	3.7770+00
56	452.12	1.3837+01	2.1271+00	7.0900-03	2.1271+00	7.0900-03	1.0072-02	1.6154-01	1.5211+05	1.7867-03	4.1100-01
57	468.81	4.3023+01	6.9658+00	2.3533-02	6.9658+00	2.3533-02	3.3432-02	5.3616-01	5.0486+05	5.9341-03	7.1100-01
58	465.57	4.8682+01	8.0572+00	2.7148-02	8.0572+00	2.7148-02	3.8568-02	6.1854-01	5.8243+05	6.8450-03	1.0880+00
59	454.33	4.4550+01	7.3393+00	2.4506-02	7.3393+00	2.4506-02	3.4815-02	5.5835-01	5.2576+05	6.1762-03	1.3070+00
60	449.46	4.0897+01	6.7352+00	2.2402-02	6.7352+00	2.2402-02	3.1825-02	5.1039-01	4.8060+05	5.6446-03	1.6410+00
61	470.77	3.1771+00	5.2295-01	1.7695-03	5.2295-01	1.7695-03	2.5139-03	4.0316-02	3.7963+04	4.4625-04	3.0090+00
62	479.04	3.0945+00	5.0753-01	1.7290-03	5.0753-01	1.7290-03	2.4563-03	3.9392-02	3.7093+04	4.3616-04	3.3930+00
63	481.71	3.0042+00	4.8457-01	1.6544-03	4.8457-01	1.6544-03	2.3503-03	3.7693-02	3.5493+04	4.1739-04	3.7770+00
64	454.01	3.6662+01	6.1464+00	2.0518-02	6.1464+00	2.0518-02	2.9149-02	4.6747-01	4.4019+05	5.1709-03	1.0880+00
65	448.03	3.9742+01	6.6356+00	2.2045-02	6.6356+00	2.2045-02	3.1319-02	5.0227-01	4.7295+05	5.5545-03	1.3070+00
66	447.69	3.8442+01	6.4170+00	2.1313-02	6.4170+00	2.1313-02	3.0279-02	4.8559-01	4.5725+05	5.3701-03	1.6410+00
69	447.57	1.3852+01	2.3122+00	7.6788-03	2.3122+00	7.6788-03	1.0909-02	1.7495-01	1.6474+05	1.9347-03	4.1100-01
70	462.89	4.1886+01	7.0646+00	2.3752-02	7.0646+00	2.3752-02	3.3744-02	5.4116-01	5.0958+05	5.9881-03	7.1100-01
71	448.26	4.0476+01	6.7395+00	2.2394-02	6.7395+00	2.2394-02	3.1815-02	5.1023-01	4.8045+05	5.6426-03	1.3070+00
72	449.06	3.7703+01	6.2996+00	2.0946-02	6.2996+00	2.0946-02	2.9757-02	4.7723-01	4.4937+05	5.2778-03	1.6410+00
73	465.48	3.1901+00	5.1850-01	1.7469-03	5.1850-01	1.7469-03	2.4818-03	3.9802-02	3.7479+04	4.4046-04	3.7770+00
74	447.75	2.4971+00	4.0711-01	1.3522-03	4.0711-01	1.3522-03	1.9210-03	3.0808-02	2.9010+04	3.4070-04	5.3230+00
77	434.25	4.1397+00	6.7862-01	2.2301-03	6.7862-01	2.2301-03	3.1682-03	5.0809-02	4.7843+04	5.6159-04	3.0090+00
78	457.13	3.6187+00	5.9552-01	1.9930-03	5.9552-01	1.9930-03	2.8313-03	4.5407-02	4.2757+04	5.0233-04	3.3930+00
79	474.39	3.2878+00	5.3756-01	1.8243-03	5.3756-01	1.8243-03	2.5918-03	4.1565-02	3.9139+04	4.6014-04	3.7770+00
80	417.03	4.2442+00	6.9542-01	2.2547-03	6.9542-01	2.2547-03	3.2031-03	5.1369-02	4.8371+04	5.6740-04	2.4660+00
81	430.90	3.7522+00	6.1365-01	2.0112-03	6.1365-01	2.0112-03	2.8573-03	4.5823-02	4.3148+04	5.0641-04	3.0090+00
82	456.15	3.4031+00	5.6134-01	1.8771-03	5.6134-01	1.8771-03	2.6667-03	4.2767-02	4.0271+04	4.7310-04	3.3930+00
83	473.51	3.1761+00	5.2531-01	1.7815-03	5.2531-01	1.7815-03	2.5309-03	4.0588-02	3.8219+04	4.4931-04	3.7770+00
337	487.71	1.2238+01	2.3009+00	7.8944-03	2.3009+00	7.8944-03	1.1215-02	1.7986-01	1.6937+05	1.9922-03	7.1680+00
339	480.54	5.2977+00	1.0125+00	3.4534-03	1.0125+00	3.4534-03	4.9061-03	7.8660-02	7.4088+04	8.7123-04	8.1130+00
340	476.60	1.2764+00	2.3822-01	8.0990-04	2.3822-01	8.0990-04	1.1506-03	1.8453-02	1.7376+04	2.0429-04	8.6180+00
342	481.14	1.2875+01	2.4874+00	8.4881-03	2.4874+00	8.4881-03	1.2059-02	1.9339-01	1.8210+05	2.1415-03	7.1680+00
344	468.86	6.3507+00	1.2106+00	4.0900-03	1.2106+00	4.0900-03	5.8106-03	9.3186-02	8.7747+04	1.0314-03	8.1130+00
347	477.93	1.1861+01	2.2157+00	7.5413-03	2.2157+00	7.5413-03	1.0714-02	1.7162-01	1.6179+05	1.9024-03	7.1680+00
349	462.00	5.8904+00	1.1148+00	3.7455-03	1.1148+00	3.7455-03	5.3211-03	8.5337-02	8.0356+04	9.4424-04	8.1130+00
350	453.50	1.4275+00	2.4764-01	8.2632-04	2.4764-01	8.2632-04	1.1739-03	1.8827-02	1.7728+04	2.0825-04	8.6180+00
352	479.23	1.1426+01	2.0850+00	7.1041-03	2.0850+00	7.1041-03	1.0093-02	1.6166-01	1.5241+05	1.7922-03	7.1680+00
354	467.18	5.6052+00	1.0618+00	3.5823-03	1.0618+00	3.5823-03	5.0892-03	8.1618-02	7.6854+04	9.0328-04	8.1130+00
357	485.73	1.0728+01	1.9606+00	6.7158-03	1.9606+00	6.7158-03	9.5408-03	1.5301-01	1.4408+05	1.6946-03	7.1680+00
359	478.48	5.3387+00	9.5242-01	3.2431-03	9.5242-01	3.2431-03	4.6073-03	7.3889-02	6.9576+04	8.1811-04	8.1130+00
401	465.52	3.6368+01	3.0364+00	1.0231-02	3.0364+00	1.0231-02	1.4534-02	2.3309-01	2.1949+05	2.5795-03	4.5500-01
403	496.08	7.8611+01	6.6175+00	2.2863-02	6.6175+00	2.2863-02	3.2461-02	5.2090-01	4.9050+05	5.7716-03	6.8600-01
404	497.98	9.6304+01	8.1655+00	2.8256-02	8.1655+00	2.8256-02	4.0142-02	6.4377-01	6.0620+05	7.1335-03	8.0100-01
405	508.03	9.1908+01	7.7964+00	2.7207-02	7.7964+00	2.7207-02	3.8651-02	6.1987-01	5.8369+05	6.8714-03	1.0510+00
406	492.69	8.9517+01	7.5642+00	2.6060-02	7.5642+00	2.6060-02	3.7022-02	5.9374-01	5.5909+05	6.5777-03	1.1670+00
407	499.77	9.7617+01	8.4343+00	2.9230-02	8.4343+00	2.9230-02	4.1525-02	6.6596-01	6.2709+05	7.3798-03	1.2830+00
408	464.31	4.3567+01	3.5485+00	1.1944-02	3.5485+00	1.1944-02	1.6969-02	2.7214-01	2.5625+05	3.0115-03	5.1300-01
409	460.09	3.6547+01	3.0222+00	1.0138-02	3.0222+00	1.0138-02	1.4403-02	2.3099-01	2.1750+05	2.5557-03	5.7000-01
410	463.40	3.9462+01	3.1538+00	1.0608-02	3.1538+00	1.0608-02	1.5070-02	2.4169-01	2.2758+05	2.6744-03	6.2800-01
411	470.99	4.6012+01	3.8329+00	1.2972-02	3.8329+00	1.2972-02	1.8428-02	2.9554-01	2.7829+05	3.2713-03	6.8600-01
412	481.45	4.9896+01	4.1604+00	1.4201-02	4.1604+00	1.4201-02	2.0175-02	3.2355-01	3.0467+05	3.5828-03	7.4400-01
413	479.99	6.2129+01	5.2375+00	1.7856-02	5.2375+00	1.7856-02	2.5368-02	4.0683-01	3.8308+05	4.5047-03	8.0100-01
414	480.23	6.8642+01	5.7190+00	1.9502-02	5.7190+00	1.9502-02	2.7705-02	4.4432-01	4.1838+05	4.9199-03	8.5900-01
415	497.10	7.7870+01	6.5987+00	2.2817-02	6.5987+00	2.2817-02	3.2416-02	5.1986-01	4.8952+05	5.7603-03	9.1700-01
416	468.57	4.3990+01	3.3973+00	1.1475-02	3.3973+00	1.1475-02	1.6302-02	2.6144-01	2.4618+05	2.8935-03	5.7000-01
417	489.06	8.0630+01	6.7567+00	2.3208-02	6.7567+00	2.3208-02	3.2971-02	5.2877-01	4.9790+05	5.8570-03	1.0520+00

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8.03184+01 4.75029-03 3.35185-01 4.40896+03 4.96212-06 6.50579-08 2.82122-02 7.72000+00 6.68025-06 7.51839-02

1	455.30	1.5106+01	2.5347+00	8.4689-03	2.5347+00	8.4689-03	1.2031-02	1.9295-01	1.8169+05	2.1348-03	4.1100-01
2	488.89	4.8817+01	8.3766+00	2.8764-02	8.3766+00	2.8764-02	4.0864-02	6.5534-01	6.1709+05	7.2603-03	7.1100-01
3	467.20	3.9476+01	6.6774+00	2.2525-02	6.6774+00	2.2525-02	3.2001-02	5.1321-01	4.8325+05	5.6807-03	1.3070+00
4	459.77	3.7303+01	6.2783+00	2.1052-02	6.2783+00	2.1052-02	2.9908-02	4.7965-01	4.5165+05	5.3077-03	1.6410+00
5	439.63	2.3392+01	4.0647+00	1.3412-02	4.0647+00	1.3412-02	1.9054-02	3.0557-01	2.8774+05	3.3787-03	1.7720+00
6	417.57	4.2582+00	6.8578-01	2.2240-03	6.8578-01	2.2240-03	3.1595-03	5.0671-02	4.7713+04	5.5978-04	2.4660+00
7	430.17	3.8166+00	6.1834-01	2.0251-03	6.1834-01	2.0251-03	2.8770-03	4.6140-02	4.3447+04	5.0998-04	3.0090+00
8	453.01	3.2114+00	5.2387-01	1.7471-03	5.2387-01	1.7471-03	2.4820-03	3.9805-02	3.7482+04	4.4036-04	3.3930+00
9	474.43	2.9423+00	4.8694-01	1.6523-03	4.8694-01	1.6523-03	2.3474-03	3.7646-02	3.5449+04	4.1682-04	3.7770+00
10	484.51	2.6135+00	4.3672-01	1.4942-03	4.3672-01	1.4942-03	2.1227-03	3.4043-02	3.2056+04	3.7708-04	5.3230+00
14	470.57	3.7185+01	6.3041+00	2.1324-02	6.3041+00	2.1324-02	3.0295-02	4.8585-01	4.5749+05	5.3786-03	1.0880+00
15	469.49	4.0403+01	6.8447+00	2.3133-02	6.8447+00	2.3133-02	3.2864-02	5.2705-01	4.9629+05	5.8344-03	1.3070+00
16	462.49	3.9656+01	6.6866+00	2.2470-02	6.6866+00	2.2470-02	3.1923-02	5.1196-01	4.8208+05	5.6658-03	1.6410+00
19	456.99	1.1053+01	1.6885+00	5.6491-03	1.6885+00	5.6491-03	8.0255-03	1.2871-01	1.2119+05	1.4241-03	4.1100-01
20	490.45	4.2437+01	6.9482+00	2.3890-02	6.9482+00	2.3890-02	3.3939-02	5.4429-01	5.1253+05	6.0304-03	7.1100-01
21	485.91	4.9073+01	8.1339+00	2.7862-02	8.1339+00	2.7862-02	3.9582-02	6.3479-01	5.9774+05	7.0317-03	1.0880+00
22	474.37	4.6231+01	7.6508+00	2.5960-02	7.6508+00	2.5960-02	3.6880-02	5.9146-01	5.5694+05	6.5487-03	1.3070+00
23	459.51	3.9502+01	6.3753+00	2.1373-02	6.3753+00	2.1373-02	3.0364-02	4.8695-01	4.5853+05	5.3884-03	1.6410+00
24	429.95	4.1366+00	6.6410-01	2.1746-03	6.6410-01	2.1746-03	3.0894-03	4.9545-02	4.6654+04	5.4762-04	3.0090+00
25	450.17	3.7647+00	5.9820-01	1.9905-03	5.9820-01	1.9905-03	2.8278-03	4.5350-02	4.2703+04	5.0164-04	3.3930+00
26	470.84	3.4447+00	5.5847-01	1.8895-03	5.5847-01	1.8895-03	2.6843-03	4.3050-02	4.0537+04	4.7658-04	3.7770+00
27	506.70	5.5166+01	9.1273+00	3.1810-02	9.1273+00	3.1810-02	4.5191-02	7.2474-01	6.8244+05	8.0349-03	7.1100-01
28	488.51	4.8889+01	8.1172+00	2.7864-02	8.1172+00	2.7864-02	3.9586-02	6.3485-01	5.9780+05	7.0331-03	1.0880+00
29	477.96	4.2590+01	7.1286+00	2.4259-02	7.1286+00	2.4259-02	3.4464-02	5.5271-01	5.2045+05	6.1206-03	1.3070+00
30	462.44	3.9115+01	6.4989+00	2.1839-02	6.4989+00	2.1839-02	3.1026-02	4.9757-01	4.6853+05	5.5065-03	1.6410+00
31	441.18	2.4554+01	4.0804+00	1.3480-02	4.0804+00	1.3480-02	1.9151-02	3.0713-01	2.8921+05	3.3962-03	1.7720+00
32	422.30	3.7553+00	6.0684-01	1.9752-03	6.0684-01	1.9752-03	2.8061-03	4.5003-02	4.2376+04	4.9726-04	2.4660+00
33	436.07	4.0514+00	6.6302-01	2.1816-03	6.6302-01	2.1816-03	3.0993-03	4.9704-02	4.6803+04	5.4950-04	3.0090+00
34	457.18	3.7704+00	6.1680-01	2.0639-03	6.1680-01	2.0639-03	2.9321-03	4.7024-02	4.4279+04	5.2030-04	3.3930+00
35	475.23	3.5725+00	5.6667-01	1.9241-03	5.6667-01	1.9241-03	2.7335-03	4.3839-02	4.1280+04	4.8540-04	3.7770+00
36	482.03	4.3094+01	7.1462+00	2.4400-02	7.1462+00	2.4400-02	3.4665-02	5.5593-01	5.2348+05	6.1572-03	1.3070+00
37	431.56	7.7574+00	1.2768+00	4.1861-03	1.2768+00	4.1861-03	5.9470-03	9.5374-02	8.9807+04	1.0542-03	2.4660+00
38	447.76	5.0722+00	8.2445-01	2.7380-03	8.2445-01	2.7380-03	3.8898-03	6.2382-02	5.8741+04	6.8997-04	3.0090+00
39	466.33	3.8047+00	6.2250-01	2.0985-03	6.2250-01	2.0985-03	2.9812-03	4.7810-02	4.5020+04	5.2920-04	3.3930+00
40	480.22	3.5808+00	5.8595-01	1.9977-03	5.8595-01	1.9977-03	2.8381-03	4.5515-02	4.2859+04	5.0407-04	3.7770+00
41	486.62	3.2322+00	5.1980-01	1.7815-03	5.1980-01	1.7815-03	2.5310-03	4.0590-02	3.8221+04	4.4964-04	4.1620+00
43	463.47	2.8187+00	4.7003-01	1.5808-03	4.7003-01	1.5808-03	2.2458-03	3.6016-02	3.3914+04	3.9860-04	5.3230+00
47	506.55	5.2731+01	8.8039+00	3.0679-02	8.8039+00	3.0679-02	4.3585-02	6.9898-01	6.5818+05	7.7492-03	7.1100-01
48	489.35	4.7378+01	7.9656+00	2.7363-02	7.9656+00	2.7363-02	3.8873-02	6.2343-01	5.8704+05	6.9068-03	1.0880+00
49	472.45	4.2541+01	7.1156+00	2.4106-02	7.1156+00	2.4106-02	3.4247-02	5.4923-01	5.1717+05	6.0806-03	1.3070+00
50	465.34	3.7883+01	6.3438+00	2.1368-02	6.3438+00	2.1368-02	3.0356-02	4.8683-01	4.5842+05	5.3884-03	1.6410+00
51	446.59	2.3718+01	3.9562+00	1.3127-02	3.9562+00	1.3127-02	1.8648-02	2.9907-01	2.8161+05	3.3077-03	1.7720+00
52	438.46	3.4743+00	5.7626-01	1.8997-03	5.7626-01	1.8997-03	2.6988-03	4.3282-02	4.0756+04	4.7855-04	2.4660+00
53	458.52	3.6774+00	6.0214-01	2.0170-03	6.0214-01	2.0170-03	2.8655-03	4.5955-02	4.3273+04	5.0850-04	3.0090+00
54	475.86	3.4935+00	5.7176-01	1.9424-03	5.7176-01	1.9424-03	2.7595-03	4.4255-02	4.1672+04	4.9002-04	3.3930+00
55	482.49	3.3714+00	5.4409-01	1.8585-03	5.4409-01	1.8585-03	2.6403-03	4.2343-02	3.9871+04	4.6898-04	3.7770+00
56	459.03	1.3920+01	2.1500+00	7.2049-03	2.1500+00	7.2049-03	1.0236-02	1.6415-01	1.5457+05	1.8164-03	4.1100-01
57	490.44	4.2743+01	7.0198+00	2.4136-02	7.0198+00	2.4136-02	3.4289-02	5.4990-01	5.1780+05	6.0925-03	7.1100-01
58	489.75	4.7589+01	8.0033+00	2.7501-02	8.0033+00	2.7501-02	3.9070-02	6.2658-01	5.9001+05	6.9419-03	1.0880+00
59	476.43	4.3752+01	7.3157+00	2.4865-02	7.3157+00	2.4865-02	3.5324-02	5.6651-01	5.3344+05	6.2730-03	1.3070+00
60	469.62	4.0031+01	6.6831+00	2.2589-02	6.6831+00	2.2589-02	3.2091-02	5.1466-01	4.8462+05	5.6973-03	1.6410+00
61	472.32	3.2093+00	5.2880-01	1.7913-03	5.2880-01	1.7913-03	2.5448-03	4.0812-02	3.8430+04	4.5184-04	3.0090+00
62	480.57	3.0509+00	5.0088-01	1.7082-03	5.0088-01	1.7082-03	2.4267-03	3.8918-02	3.6647+04	4.3101-04	3.3930+00
63	483.21	3.0281+00	4.8891-01	1.6710-03	4.8891-01	1.6710-03	2.3739-03	3.8071-02	3.5849+04	4.2167-04	3.7770+00
64	472.22	3.6492+01	6.1935+00	2.0978-02	6.1935+00	2.0978-02	2.9803-02	4.7796-01	4.5006+05	5.2916-03	1.0880+00
65	467.51	3.8920+01	6.5847+00	2.2218-02	6.5847+00	2.2218-02	3.1565-02	5.0621-01	4.7667+05	5.6033-03	1.3070+00
66	466.52	3.7644+01	6.3646+00	2.1458-02	6.3646+00	2.1458-02	3.0485-02	4.8890-01	4.6036+05	5.4115-03	1.6410+00
69	454.65	1.4797+01	2.4818+00	8.2876-03	2.4818+00	8.2876-03	1.1774-02	1.8882-01	1.7780+05	2.0890-03	4.1100-01
70	483.25	4.0592+01	6.9396+00	2.3719-02	6.9396+00	2.3719-02	3.3696-02	5.4040-01	5.0886+05	5.9855-03	7.1100-01
71	467.59	3.8229+01	6.4492+00	2.1762-02	6.4492+00	2.1762-02	3.0917-02	4.9582-01	4.6688+05	5.4883-03	1.3070+00
72	466.99	3.5526+01	6.0085+00	2.0265-02	6.0085+00	2.0265-02	2.8790-02	4.6172-01	4.3477+05	5.1107-03	1.6410+00
73	467.05	3.1055+00	5.0527-01	1.7043-03	5.0527-01	1.7043-03	2.4212-03	3.8829-02	3.6563+04	4.2980-04	3.7770+00
74	468.96	2.4125+00	3.9363-01	1.3085-03	3.9363-01	1.3085-03	1.8589-03	2.9812-02	2.8072+04	3.2975-04	5.3230+00
77	436.31	4.0790+00	6.6962-01	2.2037-03	6.6962-01	2.2037-03	3.1307-03	5.0208-02	4.7278+04	5.5508-04	3.0090+00
78	458.88	3.5216+00	5.8022-01	1.9442-03	5.8022-01	1.9442-03	2.7620-03	4.4296-02	4.1710+04	4.9015-04	3.3930+00
79	475.99	3.2374+00	5.2989-01	1.8004-03	5.2989-01	1.8004-03	2.5577-03	4.1019-02	3.8624+04	4.5419-04	3.7770+00
80	419.15	4.2457+00	6.9673-01	2.2623-03	6.9673-01	2.2623-03	3.2139-03	5.1543-02	4.8535+04	5.6946-04	2.4660+00
81	432.75	3.6878+00	6.0390-01	1.9818-03	6.0390-01	1.9818-03	2.8155-03	4.5153-02	4.2518+04	4.9913-04	3.0090+00
82	457.83	3.3475+00	5.5280-01	1.8507-03	5.5280-01	1.8507-03	2.6293-03	4.2167-02	3.9705+04	4.6657-04	3.3930+00
83	475.05	3.0395+00	5.0323-01	1.7085-03	5.0323-01	1.7085-03	2.4271-03	3.8925-02	3.6653+04	4.3099-04	3.7770+00
337	493.74	1.1817+01	2.2304+00	7.6896-03	2.2304+00	7.6896-03	1.0924-02	1.7520-01	1.6497+05	1.9413-03	7.1680+00
339	483.13	5.1366+00	9.8336-01	3.3607-03	9.8336-01	3.3607-03	4.7744-03	7.6569-02	7.2100+04	8.4808-04	8.1130+00
340	477.22	1.2847+00	2.3987-01	8.1579-04	2.3987-01	8.1579-04	1.1590-03	1.8587-02	1.7502+04	2.0582-04	8.6180+00
342	487.51	1.2555+01	2.4356+00	8.3537-03	2.4356+00	8.3537-03	1.1868-02	1.9033-01	1.7922+05	2.1084-03	7.1680+00
344	471.99	6.1813+00	1.1808+00	3.9988-03	1.1808+00	3.9988-03	5.6810-03	9.1108-02	8.5791+04	1.0087-03	8.1130+00
347	483.88	1.1756+01	2.2047+00	7.5394-03	2.2047+00	7.5394-03	1.0711-02	1.7177-01	1.6175+05	1.9026-03	7.1680+00
349	464.92	5.7070+00	1.0822+00	3.6441-03	1.0822+00	3.6441-03	5.1770-03	8.3025-02	7.8179+04	9.1892-04	8.1130+00
350	454.21	1.3834+00	2.4009-01	8.0148-04	2.4009-01	8.0148-04	1.1386-03	1.8261-02	1.7195+04	2.0202-04	8.6180+00
352	484.93	1.1635+01	2.1310+00	7.2936-03	2.1310+00	7.2936-03	1.0362-02	1.6618-01	1.5648+05	1.8407-03	7.1680+00
354	470.00	5.7309+00	1.0876+00	3.6774-03	1.0876+00	3.6774-03	5.2243-03	8.3784-02	7.8893+04	9.2750-04	8.1130+00
357	490.93	1.0468+01	1.9195+00	6.6023-03	1.9195+00	6.6023-03	9.3797-03	1.5043-01	1.4165+05	1.6666-03	7.1680+00
359	481.07	5.1081+00	9.1282-01	3.1143-03	9.1282-01	3.1143-03	4.4244-03	7.0956-02	6.6814+04	7.8584-04	8.1130+00
401	483.09	3.4717+01	2.9326+00	1.0022-02	2.9326+00	1.0022-02	1.4238-02	2.2834-01	2.1501+05	2.5291-03	4.5500-01
403	533.06	6.9662+01	6.0025+00	2.1393-02	6.0025+00	2.1393-02	3.0393-02	4.8742-01	4.5897+05	5.4096-03	6.8600-01
404	542.86	7.8645+01	6.8581+00	2.4651-02	6.8581+00	2.4651-02	3.5020-02	5.6163-01	5.2885+05	6.2358-03	8.0100-01
405	551.27	8.2247+01	7.1659+00	2.5947-02	7.1659+00	2.5947-02	3.6861-02	5.9116-01	5.5665+05	6.5659-03	1.0510+00
406	535.79	8.2488+01	7.1623+00	2.5587-02	7.1623+00	2.5587-02	3.6351-02	5.8297-01	5.4894+05	6.4708-03	1.1670+00
407	545.97	8.8234+01	7.8465+00	2.8280-02	7.8465+00	2.8280-02	4.0176-02	6.4432-01	6.0671+05	7.1547-03	1.2830+00
408	487.36	4.6779+01	3.8688+00	1.3268-02	3.8688+00	1.3268-02	1.8849-02	3.0229-01	2.8465+05	3.3487-03	5.1300-01
409	479.04	3.8370+01	3.2134+00	1.0945-02	3.2134+00	1.0945-02	1.5549-02	2.4937-01	2.3481+05	2.7616-03	5.7000-01
410	483.33	4.0949+01	3.3163+00	1.1335-02	3.3163+00	1.1335-02	1.6104-02	2.5826-01	2.4319+05	2.8605-03	6.2800-01
411	493.88	4.6483+01	3.9308+00	1.3553-02	3.9308+00	1.3553-02	1.9255-02	3.0880-01	2.9077+05	3.4217-03	6.8600-01
412	507.07	5.1709+01	4.3837+00	1.5282-02	4.3837+00	1.5282-02	2.1711-02	3.4819-01	3.2787+05	3.8603-03	7.4400-01
413	511.02	6.2615+01	5.3853+00	1.8837-02	5.3853+00	1.8837-02	2.6761-02	4.2917-01	4.0412+05	4.7589-03	8.0100-01
414	515.05	6.9235+01	5.8992+00	2.0705-02	5.8992+00	2.0705-02	2.9415-02	4.7173-01	4.4420+05	5.2316-03	8.5900-01
415	534.23	7.2703+01	6.3066+00	2.2500-02	6.3066+00	2.2500-02	3.1965-02	5.1263-01	4.8271+05	5.6897-03	9.1700-01
416	491.44	4.5527+01	3.5693+00	1.2282-02	3.5693+00	1.2282-02	1.7449-02	2.7983-01	2.6350+05	3.1005-03	5.7000-01
417	529.47	7.9491+01	6.8343+00	2.4283-02	6.8343+00	2.4283-02	3.4498-02	5.5325-01	5.2096+05	6.1394-03	1.0520+00

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11 1 6.98 -5.02 .00 -.00 402 1 1.95 10.04 216.7 1634.3

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7.98667+01 4.80714-03 3.39245-01 4.39687+03 5.04990-06 6.46920-08 2.87944-02 7.72000+00 6.63734-06 7.52444-02

1	444.53	2.9434+00	4.9026-01	1.6369-03	4.9026-01	1.6369-03	2.2914-03	3.6902-02	3.5346+04	4.1206-04	4.1100-01
2	445.32	2.1175+01	3.5288+00	1.1790-02	3.5288+00	1.1790-02	1.6504-02	2.6579-01	2.5458+05	2.9679-03	7.1100-01
3	438.58	1.8032+01	2.9911+00	9.9396-03	2.9911+00	9.9396-03	1.3914-02	2.2407-01	2.1462+05	2.5014-03	1.3070+00
4	432.74	1.7692+01	2.9229+00	9.6678-03	2.9229+00	9.6678-03	1.3533-02	2.1794-01	2.0875+05	2.4325-03	1.6410+00
5	431.05	1.1646+01	2.0115+00	6.6446-03	2.0115+00	6.6446-03	9.3011-03	1.4979-01	1.4347+05	1.6717-03	1.7720+00
6	449.54	9.9325-01	1.6358-01	5.4840-04	1.6358-01	5.4840-04	7.6765-04	1.2363-02	1.1841+04	1.3807-04	2.4660+00
7	448.74	7.1792-01	1.1762-01	3.9473-04	1.1762-01	3.9473-04	5.5255-04	8.8986-03	8.5233+03	9.9379-05	3.0090+00
8	448.60	7.3870-01	1.2014-01	4.0245-04	1.2014-01	4.0245-04	5.6336-04	9.0726-03	8.6900+03	1.0132-04	3.3930+00
9	454.28	7.3143-01	1.1942-01	4.0188-04	1.1942-01	4.0188-04	5.6255-04	9.0596-03	8.6775+03	1.0120-04	3.7770+00
10	469.54	9.3870-01	1.5531-01	5.2919-04	1.5531-01	5.2919-04	7.4076-04	1.1930-02	1.1427+04	1.3334-04	5.3230+00
14	435.24	1.0645+01	1.7616+00	5.8385-03	1.7616+00	5.8385-03	8.1728-03	1.3162-01	1.2607+05	1.4692-03	1.0880+00
15	437.41	2.3128+01	3.8333+00	1.2726-02	3.8333+00	1.2726-02	1.7815-02	2.8690-01	2.7480+05	3.2026-03	1.3070+00
16	440.82	3.2038+01	5.3227+00	1.7719-02	5.3227+00	1.7719-02	2.4804-02	3.9945-01	3.8261+05	4.4597-03	1.6410+00
19	447.28	1.7475+00	2.6519-01	8.8742-04	2.6519-01	8.8742-04	1.2422-03	2.0005-02	1.9162+04	2.2341-04	4.1100-01
20	447.92	8.1985+00	1.3047+00	4.3683-03	1.3047+00	4.3683-03	6.1147-03	9.8475-02	9.4322+04	1.0997-03	7.1100-01
21	437.65	1.5462+01	2.4808+00	8.2379-03	2.4808+00	8.2379-03	1.1531-02	1.8571-01	1.7788+05	2.0731-03	1.0880+00
22	434.58	2.4057+01	3.8747+00	1.2835-02	3.8747+00	1.2835-02	1.7966-02	2.8934-01	2.7714+05	3.2296-03	1.3070+00
23	437.78	2.6346+01	4.1890+00	1.3911-02	4.1890+00	1.3911-02	1.9473-02	3.1361-01	3.0038+05	3.5009-03	1.6410+00
24	456.36	1.1673+00	1.9085-01	6.4334-04	1.9085-01	6.4334-04	9.0055-04	1.4503-02	1.3891+04	1.6202-04	3.0090+00
25	456.99	1.1018+00	1.7589-01	5.9322-04	1.7589-01	5.9322-04	8.3040-04	1.3373-02	1.2809+04	1.4940-04	3.3930+00
26	459.53	1.1564+00	1.8606-01	6.2880-04	1.8606-01	6.2880-04	8.8020-04	1.4175-02	1.3577+04	1.5838-04	3.7770+00
27	452.72	2.4418+01	3.8967+00	1.3104-02	3.8987+00	1.3104-02	1.8342-02	2.9540-01	2.8294+05	3.2995-03	7.1100-01
28	442.72	3.3881+01	5.4549+00	1.8187-02	5.4549+00	1.8187-02	2.5459-02	4.1060-01	3.9271+05	4.5778-03	1.0880+00
29	439.46	3.1459+01	5.1300+00	1.7059-02	5.1300+00	1.7059-02	2.3880-02	3.8458-01	3.6836+05	4.2934-03	1.3070+00
30	436.58	2.4116+01	3.9363+00	1.3060-02	3.9363+00	1.3060-02	1.8281-02	2.9442-01	2.8200+05	3.2865-03	1.6410+00
31	437.98	1.2674+01	2.1015+00	6.9802-03	2.1015+00	6.9802-03	9.7709-03	1.5736-01	1.5072+05	1.7566-03	1.7720+00
32	456.27	1.0473+00	1.7327-01	5.8405-04	1.7327-01	5.8405-04	8.1756-04	1.3166-02	1.2611+04	1.4709-04	2.4660+00
33	454.96	8.2597-01	1.3694-01	4.6110-04	1.3694-01	4.6110-04	6.4545-04	1.0395-02	9.9563+03	1.1612-04	3.0090+00
34	455.45	9.0285-01	1.4752-01	4.9693-04	1.4752-01	4.9693-04	6.9560-04	1.1202-02	1.0730+04	1.2514-04	3.3930+00
35	458.40	9.8078-01	1.5383-01	5.1940-04	1.5383-01	5.1940-04	7.2706-04	1.1709-02	1.1215+04	1.3082-04	3.7770+00
36	443.85	3.8735+01	6.2602+00	2.0891-02	6.2602+00	2.0891-02	2.9243-02	4.7095-01	4.5109+05	5.2586-03	1.3070+00
37	453.00	2.3984+00	4.0065-01	1.3469-03	4.0065-01	1.3469-03	1.8854-03	3.0363-02	2.9083+04	3.3915-04	2.4660+00
38	453.44	1.5927+00	2.5989-01	8.7402-04	2.5989-01	8.7402-04	1.2235-03	1.9703-02	1.8872+04	2.2009-04	3.0090+00
39	454.51	1.0753+00	1.7454-01	5.8748-04	1.7454-01	5.8748-04	8.2236-04	1.3244-02	1.2685+04	1.4794-04	3.3930+00
40	457.90	9.1636-01	1.4773-01	4.9861-04	1.4773-01	4.9861-04	6.9796-04	1.1240-02	1.0766+04	1.2558-04	3.7770+00
41	465.22	7.5221-01	1.1927-01	4.0494-04	1.1927-01	4.0494-04	5.6684-04	9.1287-03	8.7437+03	1.0201-04	4.1620+00
43	466.39	7.9584-01	1.3297-01	4.5191-04	1.3297-01	4.5191-04	6.3259-04	1.0188-02	9.7579+03	1.1385-04	5.3230+00
47	443.01	2.7465+00	4.3961-01	1.4660-03	4.3961-01	1.4660-03	2.0522-03	3.3050-02	3.1656+04	3.6902-04	7.1100-01
48	436.34	8.2416+00	1.3370+00	4.4352-03	1.3370+00	4.4352-03	6.2084-03	9.9983-02	9.5766+04	1.1161-03	1.0880+00
49	431.12	1.7667+01	2.8726+00	9.4895-03	2.8726+00	9.4895-03	1.3283-02	2.1392-01	2.0490+05	2.3875-03	1.3070+00
50	438.85	2.9749+01	4.8924+00	1.6261-02	4.8924+00	1.6261-02	2.2763-02	3.6658-01	3.5112+05	4.0925-03	1.6410+00
51	437.66	1.2634+01	2.0944+00	6.9548-03	2.0944+00	6.9548-03	9.7354-03	1.5678-01	1.5017+05	1.7502-03	1.7720+00
52	454.64	1.5834+00	2.6557-01	8.9396-04	2.6557-01	8.9396-04	1.2514-03	2.0153-02	1.9303+04	2.2512-04	2.4660+00
53	453.17	1.1132+00	1.8162-01	6.1065-04	1.8162-01	6.1065-04	8.5479-04	1.3766-02	1.3185+04	1.5377-04	3.0090+00
54	456.68	9.9065-01	1.6009-01	5.3993-04	1.6009-01	5.3993-04	7.5580-04	1.2172-02	1.1659+04	1.3598-04	3.3930+00
55	460.46	9.1688-01	1.4581-01	4.9316-04	1.4581-01	4.9316-04	6.9033-04	1.1117-02	1.0649+04	1.2422-04	3.7770+00
56	447.32	5.7507-01	8.8113-02	2.9486-04	8.8113-02	2.9486-04	4.1275-04	6.6472-03	6.3669+03	7.4232-05	4.1100-01
57	442.57	2.0400+00	3.2445-01	1.0816-03	3.2445-01	1.0816-03	1.5140-03	2.4383-02	2.3354+04	2.7224-04	7.1100-01
58	435.90	3.6774+00	5.9640-01	1.9776-03	5.9640-01	1.9776-03	2.7683-03	4.4583-02	4.2703+04	4.9765-04	1.0880+00
59	431.19	4.4649+00	7.2389-01	2.3915-03	7.2389-01	2.3915-03	3.3476-03	5.3911-02	5.1638+04	6.0167-04	1.3070+00
60	435.60	1.4367+01	2.3435+00	7.7692-03	2.3435+00	7.7692-03	1.0875-02	1.7514-01	1.6776+05	1.9550-03	1.6410+00
61	455.78	8.8311-01	1.4390-01	4.8484-04	1.4390-01	4.8484-04	6.7869-04	1.0930-02	1.0469+04	1.2210-04	3.0090+00
62	457.84	9.8389-01	1.5909-01	5.3693-04	1.5909-01	5.3693-04	7.5160-04	1.2104-02	1.1594+04	1.3523-04	3.3930+00
63	460.62	1.0130+00	1.6111-01	5.4498-04	1.6111-01	5.4498-04	7.6287-04	1.2286-02	1.1768+04	1.3727-04	3.7770+00
64	435.56	2.6249+00	4.3450-01	1.4404-03	4.3450-01	1.4404-03	2.0163-03	3.2472-02	3.1102+04	3.6246-04	1.0880+00
65	430.88	3.0098+00	4.9659-01	1.6401-03	4.9659-01	1.6401-03	2.2959-03	3.6974-02	3.5415+04	4.1264-04	1.3070+00
66	437.34	4.7927+00	7.9432-01	2.6370-03	7.9432-01	2.6370-03	3.6913-03	5.9447-02	5.6939+04	6.6361-04	1.6410+00
69	446.62	6.4727-01	1.0797-01	3.6110-04	1.0797-01	3.6110-04	5.0547-04	8.1403-03	7.7970+03	9.0904-05	4.1100-01
70	444.75	1.3475+00	2.2448-01	7.4966-04	2.2448-01	7.4966-04	1.0494-03	1.6900-02	1.6187+04	1.8871-04	7.1100-01
71	439.65	2.3849+00	3.9474-01	1.3129-03	3.9474-01	1.3129-03	1.8378-03	2.9597-02	2.8348+04	3.3042-04	1.3070+00
72	453.19	3.2467+00	5.4401-01	1.8291-03	5.4401-01	1.8291-03	2.5604-03	4.1235-02	3.9496+04	4.6059-04	1.6410+00
73	466.96	8.1816-01	1.3311-01	4.5261-04	1.3311-01	4.5261-04	6.3356-04	1.0203-02	9.7729+03	1.1403-04	3.7770+00
74	458.97	1.0644+00	1.7486-01	5.9070-04	1.7486-01	5.9070-04	8.2687-04	1.3316-02	1.2755+04	1.4878-04	5.3230+00
77	444.11	1.0291+00	1.6986-01	5.6695-04	1.6986-01	5.6695-04	7.9362-04	1.2781-02	1.2242+04	1.4271-04	3.0090+00
78	447.49	1.0088+00	1.6493-01	5.5201-04	1.6493-01	5.5201-04	7.7271-04	1.2444-02	1.1919+04	1.3897-04	3.3930+00
79	455.15	1.0504+00	1.6954-01	5.7094-04	1.6954-01	5.7094-04	7.9920-04	1.2871-02	1.2328+04	1.4378-04	3.7770+00
80	448.75	1.0343+00	1.7328-01	5.8054-04	1.7328-01	5.8054-04	8.1264-04	1.3087-02	1.2535+04	1.4616-04	2.4660+00
81	445.64	6.7169-01	1.1098-01	3.7089-04	1.1098-01	3.7089-04	5.1918-04	8.3611-03	8.0085+03	9.3366-05	3.0090+00
82	446.91	7.2468-01	1.1878-01	3.9736-04	1.1878-01	3.9736-04	5.5623-04	8.9579-03	8.5801+03	1.0003-04	3.3930+00
83	453.71	7.5844-01	1.2376-01	4.1636-04	1.2378-01	4.1636-04	5.8283-04	9.3862-03	8.9904+03	1.0485-04	3.7770+00
337	472.87	9.1003+00	1.6943+00	5.7887-03	1.6943+00	5.7887-03	8.1030-03	1.3050-01	1.2499+05	1.4587-03	7.1680+00
339	478.42	3.6686+00	7.0014-01	2.4031-03	7.0014-01	2.4031-03	3.3639-03	5.4174-02	5.1889+04	6.0571-04	8.1130+00
340	472.38	8.2390-01	1.5334-01	5.2369-04	1.5334-01	5.2369-04	7.3307-04	1.1806-02	1.1308+04	1.3197-04	8.6180+00
342	477.76	1.1679+01	2.2512+00	7.7226-03	2.2512+00	7.7226-03	1.0810-02	1.7409-01	1.6675+05	1.9465-03	7.1680+00
344	482.51	3.6203+00	6.9640-01	2.3983-03	6.9640-01	2.3983-03	3.3572-03	5.4066-02	5.1786+04	6.0461-04	8.1130+00
347	478.39	8.8275+00	1.6495+00	5.6814-03	1.6495+00	5.6814-03	7.9249-03	1.2763-01	1.2224+05	1.4270-03	7.1680+00
349	487.47	4.6987+00	9.0444-01	3.1277-03	9.0444-01	3.1277-03	4.3781-03	7.0508-02	6.7534+04	7.8863-04	8.1130+00
350	473.85	1.0161+00	1.7870-01	6.1104-04	1.7870-01	6.1104-04	8.5533-04	1.3775-02	1.3194+04	1.5399-04	8.6180+00
352	482.11	4.5459+00	8.3110-01	2.8613-03	8.3110-01	2.8613-03	4.0053-03	6.4503-02	6.1783+04	7.2131-04	7.1680+00
354	502.84	6.2291+00	1.2078+00	4.2310-03	1.2078+00	4.2310-03	5.9226-03	9.5381-02	9.1358+04	1.0675-03	8.1130+00
357	492.28	3.9137+00	7.1831-01	2.4940-03	7.1831-01	2.4940-03	3.4912-03	5.6223-02	5.3852+04	6.2898-04	7.1680+00
359	516.34	7.7964+00	1.4252+00	5.0500-03	1.4252+00	5.0500-03	7.0691-03	1.1384-01	1.0904	1.2748-03	8.1130+00
401	450.12	7.1273+00	5.8889-01	1.9751-03	5.8889-01	1.9751-03	2.7648-03	4.4525-02	4.2648	4.9729-04	4.5500-01
403	450.20	1.0355+01	8.4553-01	2.8361-03	8.4553-01	2.8361-03	3.9699-03	6.3934-02	6.1236	7.1406-04	6.8600-01
404	453.71	1.7957+01	1.4785+00	4.9733-03	1.4785+00	4.9733-03	6.9617-03	1.1211-01	1.0735	1.2523-03	8.0100-01
405	459.45	3.5076+01	2.8821+00	9.7396-03	2.8821+00	9.7396-03	1.3634-02	2.1956-01	2.1030	2.4531-03	1.0510+00
406	456.70	3.8073+01	3.1413+00	1.0592-02	3.1413+00	1.0592-02	1.4827-02	2.3877-01	2.2870	2.6675-03	1.1670+00
407	457.48	4.3773+01	3.6780+00	1.2409-02	3.6780+00	1.2409-02	1.7371-02	2.7975-01	2.6795	3.1253-03	1.2830+00
408	449.68	8.1148+00	6.5442-01	2.1941-03	6.5442-01	2.1941-03	3.0713-03	4.9463-02	4.7377	5.5242-04	5.1300-01
409	445.55	2.1034+00	1.7222-01	5.7550-04	1.7222-01	5.7550-04	8.0559-04	1.2974-02	1.2427	1.4487-04	5.7000-01
410	449.17	7.3335+00	5.8045-01	1.9453-03	5.8045-01	1.9453-03	2.7231-03	4.3854-02	4.2005	4.8977-04	6.2800-01
411	447.68	2.2130+00	1.8146-01	6.0743-04	1.8146-01	6.0743-04	8.5028-04	1.3693-02	1.3116	1.5292-04	6.8600-01
412	461.83	9.3335+00	7.6814-01	2.6009-03	7.6814-01	2.6009-03	3.6407-03	5.8632-02	5.6159	6.5514-04	7.4400-01
413	446.22	2.8790+00	2.3724-01	7.9319-04	2.3724-01	7.9319-04	1.1103-03	1.7881-02	1.7127	1.9968-04	8.0100-01
414	453.34	1.9127+01	1.5651+00	5.2630-03	1.5651+00	5.2630-03	7.3672-03	1.1865-01	1.1366	1.3253-03	8.5900-01
415	448.32	3.8956+00	3.1957-01	1.0703-03	3.1957-01	1.0703-03	1.4982-03	2.4128-02	2.3110	2.6946-04	9.1700-01
416	451.94	7.0644+00	5.3947-01	1.8120-03	5.3947-01	1.8120-03	2.5365-03	4.0849-02	3.9126	4.5626-04	5.7000-01
417	458.82	3.2818+01	2.6954+00	9.1042-03	2.6954+00	9.1042-03	1.2744-02	2.0524-01	1.9658	2.2930-03	1.0520+00

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11 1 6.95 -5.05 .00 -.00 402 1 2.20 10.04 216.7 1634.5 [redacted]

7.98757+01 4.80707-03 3.39240-01 4.39712+03 5.04926-06 6.46993-08 2.87892-02 7.72000+00 6.63819-06 7.52432-02

1	445.28	3.0244+00	5.0402-01	1.6839-03	5.0402-01	1.6839-03	2.3573-03	3.7961-02	3.6355+04	4.2383-04	4.1100-01
2	451.50	2.3724+01	3.9705+00	1.3332-02	3.9705+00	1.3332-02	1.8663-02	3.0054-01	2.8783+05	3.3563-03	7.1100-01
3	442.00	1.4687+01	2.4420+00	8.1372-03	2.4420+00	8.1372-03	1.1391-02	1.8344-01	1.7568+05	2.0478-03	1.3070+00
4	436.49	1.5811+01	2.6189+00	8.6882-03	2.6189+00	8.6882-03	1.2163-02	1.9586-01	1.8758+05	2.1860-03	1.6410+00
5	433.95	1.1577+01	2.0038+00	6.6342-03	2.0038+00	6.6342-03	9.2872-03	1.4956-01	1.4323+05	1.6691-03	1.7720+00
6	449.79	1.0416+00	1.7157-01	5.7529-04	1.7157-01	5.7529-04	8.0535-04	1.2969-02	1.2420+04	1.4482-04	2.4660+00
7	448.90	6.7533-01	1.1084-01	3.7140-04	1.1084-01	3.7140-04	5.1993-04	8.3726-03	8.0185+03	9.3493-05	3.0090+00
8	448.77	6.7896-01	1.1044-01	3.7000-04	1.1044-01	3.7000-04	5.1796-04	8.3409-03	7.9881+03	9.3138-05	3.3930+00
9	454.46	6.3013-01	1.0289-01	3.4631-04	1.0289-01	3.4631-04	4.8480-04	7.8070-03	7.4767+03	8.7195-05	3.7770+00
10	469.73	7.8078-01	1.2920-01	4.4029-04	1.2920-01	4.4029-04	6.1636-04	9.9255-03	9.5057+03	1.1092-04	5.3230+00
14	437.85	1.0795+01	1.7897+00	5.9439-03	1.7897+00	5.9439-03	8.3210-03	1.3400-01	1.2833+05	1.4956-03	1.0880+00
15	443.03	2.2624+01	3.7645+00	1.2554-02	3.7645+00	1.2554-02	1.7575-02	2.8301-01	2.7104+05	3.1596-03	1.3070+00
16	448.80	3.1689+01	5.2937+00	1.7736-02	5.2937+00	1.7736-02	2.4829-02	3.9983-01	3.8292+05	4.4647-03	1.6410+00
19	447.73	1.8473+00	2.8042-01	9.3870-04	2.8042-01	9.3870-04	1.3141-03	2.1161-02	2.0266+04	2.3629-04	4.1100-01
20	450.18	9.7018+00	1.5464+00	5.1867-03	1.5464+00	5.1867-03	7.2610-03	1.1693-01	1.1198+05	1.3057-03	7.1100-01
21	441.73	1.6389+01	2.6369+00	8.7847-03	2.6369+00	8.7847-03	1.2298-02	1.9804-01	1.8966+05	2.2108-03	1.0880+00
22	440.87	2.4912+01	4.0300+00	1.3417-02	4.0300+00	1.3417-02	1.8782-02	3.0245-01	2.8966+05	3.3763-03	1.3070+00
23	444.35	2.6029+01	4.1575+00	1.3880-02	4.1575+00	1.3880-02	1.9430-02	3.1290-01	2.9966+05	3.4933-03	1.6410+00
24	456.62	1.0073+00	1.6472-01	5.5537-04	1.6472-01	5.5537-04	7.7746-04	1.2520-02	1.1990+04	1.3984-04	3.0090+00
25	457.22	9.7766-01	1.5610-01	5.2656-04	1.5610-01	5.2656-04	7.3714-04	1.1870-02	1.1368+04	1.3259-04	3.3930+00
26	459.80	1.1138+00	1.7924-01	6.0588-04	1.7924-01	6.0588-04	8.4818-04	1.3659-02	1.3081+04	1.5258-04	3.7770+00
27	459.67	2.5941+01	4.1616+00	1.4066-02	4.1616+00	1.4066-02	1.9691-02	3.1709-01	3.0368+05	3.5423-03	7.1100-01
28	452.70	3.8676+01	6.2699+00	2.1073-02	6.2699+00	2.1073-02	2.9500-02	4.7505-01	4.5496+05	5.3055-03	1.0880+00
29	447.76	3.2630+01	5.3515+00	1.7915-02	5.3515+00	1.7915-02	2.5079-02	4.0386-01	3.8677+05	4.5094-03	1.3070+00
30	442.52	2.2910+01	3.7550+00	1.2518-02	3.7550+00	1.2518-02	1.7523-02	2.8219-01	2.7025+05	3.1503-03	1.6410+00
31	440.91	1.1766+01	1.9548+00	6.5082-03	1.9548+00	6.5082-03	9.1109-03	1.4672-01	1.4051+05	1.6378-03	1.7720+00
32	456.44	7.4857-01	1.2367-01	4.1758-04	1.2387-01	4.1758-04	5.8457-04	9.4135-03	9.0154+03	1.0515-04	2.4660+00
33	455.08	5.4182-01	8.9839-02	3.0253-04	8.9839-02	3.0253-04	4.2351-04	6.8200-03	6.5315+03	7.6173-05	3.0090+00
34	455.60	6.0935-01	9.9577-02	3.3546-04	9.9577-02	3.3546-04	4.6961-04	7.5624-03	7.2425+03	8.4467-05	3.3930+00
35	458.59	7.0701-01	1.1090-01	3.7452-04	1.1090-01	3.7452-04	5.2430-04	8.4430-03	8.0859+03	9.4314-05	3.7770+00
36	454.25	3.9767+01	6.4731+00	2.1783-02	6.4731+00	2.1783-02	3.0494-02	4.9106-01	4.7029+05	5.4845-03	1.3070+00
37	453.63	2.4847+00	4.1523-01	1.3966-03	4.1523-01	1.3966-03	1.9551-03	3.1484-02	3.0153+04	3.5163-04	2.4660+00
38	453.86	1.5444+00	2.5208-01	8.4803-04	2.5208-01	8.4803-04	1.1872-03	1.9117-02	1.8309+04	2.1351-04	3.0090+00
39	454.73	9.7507-01	1.5829-01	5.3288-04	1.5829-01	5.3288-04	7.4598-04	1.2013-02	1.1505+04	1.3417-04	3.3930+00
40	458.09	7.7195-01	1.2446-01	4.2015-04	1.2446-01	4.2015-04	5.8816-04	9.4715-03	9.0708+03	1.0580-04	3.7770+00
41	465.36	6.1403-01	9.7366-02	3.3062-04	9.7366-02	3.3062-04	4.6284-04	7.4534-03	7.1381+03	8.3261-05	4.1620+00
43	466.54	6.6078-01	1.1042-01	3.7530-04	1.1042-01	3.7530-04	5.2538-04	8.4605-03	8.1026+03	9.4539-05	5.3230+00
47	443.56	2.3709+00	3.7964-01	1.2666-03	3.7964-01	1.2666-03	1.7731-03	2.8554-02	2.7346+04	3.1878-04	7.1100-01
48	438.42	8.4701+00	1.3761+00	4.5723-03	1.3761+00	4.5723-03	6.4008-03	1.0307-01	9.8715+04	1.1505-03	1.0880+00
49	435.68	1.8421+01	3.0049+00	9.9623-03	3.0049+00	9.9623-03	1.3946-02	2.2458-01	2.1508+05	2.5065-03	1.3070+00
50	446.48	2.9708+01	4.9115+00	1.6425-02	4.9115+00	1.6425-02	2.2993-02	3.7027-01	3.5461+05	4.1342-03	1.6410+00
51	440.78	1.2750+01	2.1182+00	7.0513-03	2.1182+00	7.0513-03	9.8712-03	1.5896-01	1.5224+05	1.7745-03	1.7720+00
52	454.99	1.4504+00	2.4332-01	8.1931-04	2.4332-01	8.1931-04	1.1470-03	1.8470-02	1.7689+04	2.0629-04	2.4660+00
53	453.41	1.0203+00	1.6648-01	5.5985-04	1.6648-01	5.5985-04	7.8373-04	1.2621-02	1.2087+04	1.4095-04	3.0090+00
54	457.20	9.1481-01	1.4786-01	4.9875-04	1.4786-01	4.9875-04	6.9821-04	1.1244-02	1.0768+04	1.2559-04	3.3930+00
55	460.65	8.5663-01	1.3625-01	4.6088-04	1.3625-01	4.6088-04	6.4519-04	1.0390-02	9.9503+03	1.1607-04	3.7770+00
56	447.60	4.1090-01	6.2971-02	2.1077-04	6.2971-02	2.1077-04	2.9506-04	4.7515-03	4.5506+03	5.3055-05	4.1100-01
57	442.89	1.6358+00	2.6023-01	8.6773-04	2.6023-01	8.6773-04	1.2147-03	1.9562-02	1.8734+04	2.1838-04	7.1100-01
58	436.56	3.1242+00	5.0691-01	1.6818-03	5.0691-01	1.6818-03	2.3543-03	3.7913-02	3.6309+04	4.2315-04	1.0880+00
59	431.97	3.6748+00	5.9612-01	1.9706-03	5.9612-01	1.9706-03	2.7586-03	4.4423-02	4.2544+04	4.9572-04	1.3070+00
60	439.17	1.4601+01	2.3875+00	7.9376-03	2.3875+00	7.9376-03	1.1112-02	1.7894-01	1.7137+05	1.9974-03	1.6410+00
61	455.92	7.0650-01	1.1513-01	3.8796-04	1.1513-01	3.8796-04	5.4310-04	8.7458-03	8.3759+03	9.7686-05	3.0090+00
62	458.03	8.3896-01	1.3568-01	4.5797-04	1.3568-01	4.5797-04	6.4111-04	1.0324-02	9.8875+03	1.1532-04	3.3930+00
63	460.85	8.9714-01	1.4271-01	4.8282-04	1.4271-01	4.8282-04	6.7591-04	1.0884-02	1.0424+04	1.2160-04	3.7770+00
64	435.87	1.7875+00	2.9595-01	9.8135-04	2.9595-01	9.8135-04	1.3738-03	2.2123-02	2.1187+04	2.4691-04	1.0880+00
65	431.20	1.9029+00	3.1402-01	1.0374-03	3.1402-01	1.0374-03	1.4523-03	2.3387-02	2.2397+04	2.6097-04	1.3070+00
66	438.03	3.4883+00	5.7842-01	1.9213-03	5.7842-01	1.9213-03	2.6896-03	4.3312-02	4.1480+04	4.8344-04	1.6410+00
69	446.69	4.2857-01	7.1491-02	2.3912-04	7.1491-02	2.3912-04	3.3474-04	5.3905-03	5.1625+03	6.0188-05	4.1100-01
70	444.83	7.2727-01	1.2116-01	4.0465-04	1.2116-01	4.0465-04	5.6647-04	9.1221-03	8.7363+03	1.0185-04	7.1100-01
71	439.78	1.1855+00	1.9623-01	6.5271-04	1.9623-01	6.5271-04	9.1374-04	1.4714-02	1.4092+04	1.6425-04	1.3070+00
72	453.53	1.9293+00	3.2335-01	1.0875-03	3.2335-01	1.0875-03	1.5224-03	2.4516-02	2.3479+04	2.7380-04	1.6410+00
73	467.12	6.1039-01	9.9318-02	3.3774-04	9.9318-02	3.3774-04	4.7280-04	7.6137-03	7.2917+03	8.5078-05	3.7770+00
74	459.18	9.1065-01	1.4962-01	5.0552-04	1.4962-01	5.0552-04	7.0769-04	1.1396-02	1.0914+04	1.2731-04	5.3230+00
77	444.36	9.8182-01	1.6208-01	5.4111-04	1.6208-01	5.4111-04	7.5751-04	1.2198-02	1.1682+04	1.3619-04	3.0090+00
78	447.77	1.0109+00	1.6530-01	5.5337-04	1.6530-01	5.5337-04	7.7467-04	1.2475-02	1.1947+04	1.3929-04	3.3930+00
79	455.42	1.0395+00	1.6781-01	5.6523-04	1.6781-01	5.6523-04	7.9127-04	1.2742-02	1.2203+04	1.4232-04	3.7770+00
80	449.03	1.0847+00	1.8176-01	6.0907-04	1.8176-01	6.0907-04	8.5265-04	1.3731-02	1.3150+04	1.5332-04	2.4660+00
81	445.80	7.1740-01	1.1855-01	3.9623-04	1.1855-01	3.9623-04	5.5469-04	8.9324-03	8.5546+03	9.9731-05	3.0090+00
82	447.11	7.2675-01	1.1914-01	3.9862-04	1.1914-01	3.9862-04	5.5803-04	8.9862-03	8.6061+03	1.0034-04	3.3930+00
83	453.89	7.6312-01	1.2456-01	4.1905-04	1.2456-01	4.1905-04	5.8663-04	9.4467-03	9.0471+03	1.0551-04	3.7770+00
337	475.01	8.4634+00	1.5779+00	5.4007-03	1.5779+00	5.4007-03	7.5604-03	1.2175-01	1.1660+05	1.3609-03	7.1680+00
339	479.35	3.7216+00	7.1069-01	2.4412-03	7.1069-01	2.4412-03	3.4174-03	5.5032-02	5.2704+04	6.1524-04	8.1130+00
340	472.56	8.4779-01	1.5781-01	5.3903-04	1.5781-01	5.3903-04	7.5459-04	1.2151-02	1.1638+04	1.3581-04	8.6180+00
342	480.61	1.1475+01	2.2160+00	7.6198-03	2.2160+00	7.6198-03	1.0667-02	1.7177-01	1.6451+05	1.9205-03	7.1680+00
344	483.31	3.4566+00	6.6528-01	2.2927-03	6.6528-01	2.2927-03	3.2095-03	5.1685-02	4.9499+04	5.7791-04	8.1130+00
347	480.41	8.1912+00	1.5326+00	5.2691-03	1.5326+00	5.2691-03	7.3762-03	1.1878-01	1.1376+05	1.3280-03	7.1680+00
349	488.55	4.3969+00	8.4694-01	2.9315-03	8.4694-01	2.9315-03	4.1038-03	6.6085-02	6.3290+04	7.3908-04	8.1130+00
350	474.06	9.1533-01	1.6100-01	5.5060-04	1.6100-01	5.5060-04	7.7079-04	1.2412-02	1.1887+04	1.3874-04	8.6180+00
352	482.68	2.6582+00	4.8615-01	1.6745-03	4.8615-01	1.6745-03	2.3442-03	3.7749-02	3.6152+04	4.2208-04	7.1680+00
354	504.26	5.3896+00	1.0460+00	3.6685-03	1.0460+00	3.6685-03	5.1356-03	8.2700-02	7.9202+04	9.2548-04	8.1130+00
357	492.62	1.6727+00	3.0707-01	1.0665-03	3.0707-01	1.0665-03	1.4930-03	2.4042-02	2.3025+04	2.6892-04	7.1680+00
359	518.46	8.6109+00	1.5762+00	5.5952-03	1.5762+00	5.5952-03	7.8328-03	1.2613-01	1.2080+05	1.4123-03	8.1130+00
401	451.93	7.0997+00	5.8734-01	1.9728-03	5.8734-01	1.9728-03	2.7617-03	4.4473-02	4.2592+04	4.9667-04	4.5500-01
403	452.61	9.4270+00	7.7100-01	2.5911-03	7.7100-01	2.5911-03	3.6273-03	5.8412-02	5.5941+04	6.5235-04	6.8600-01
404	457.94	1.6456+01	1.3588+00	4.5863-03	1.3588+00	4.5863-03	6.4204-03	1.0339-01	9.9017+04	1.1549-03	8.0100-01
405	468.24	3.3859+01	2.7986+00	9.5257-03	2.7986+00	9.5257-03	1.3335-02	2.1474-01	2.0566+05	2.3997-03	1.0510+00
406	467.08	3.9814+01	3.3080+00	1.1249-02	3.3080+00	1.1249-02	1.5747-02	2.5358-01	2.4285+05	2.8336-03	1.1670+00
407	469.30	4.5142+01	3.8233+00	1.3025-02	3.8233+00	1.3025-02	1.8233-02	2.9362-01	2.8120+05	3.2813-03	1.2830+00
408	451.70	8.0478+00	6.4991-01	2.1826-03	6.4991-01	2.1826-03	3.0554-03	4.9202-02	4.7121+04	5.4947-04	5.1300-01
409	445.77	1.4083+00	1.1533-01	3.8545-04	1.1533-01	3.8545-04	5.3960-04	8.6894-03	8.3219+03	9.7018-05	5.7000-01
410	450.98	7.2701+00	5.7615-01	1.9337-03	5.7615-01	1.9337-03	2.7070-03	4.3593-02	4.1749+04	4.8682-04	6.2800-01
411	448.15	2.0364+00	1.6703-01	5.5934-04	1.6703-01	5.5934-04	7.8302-04	1.2609-02	1.2076+04	1.4080-04	6.8600-01
412	464.20	9.3538+00	7.7104-01	2.6157-03	7.7104-01	2.6157-03	3.6618-03	5.8968-02	5.6473+04	6.5885-04	7.4400-01
413	446.87	2.9143+00	2.4026-01	8.0371-04	2.4026-01	8.0371-04	1.1251-03	1.8118-02	1.7352+04	2.0230-04	8.0100-01
414	458.24	1.9289+01	1.5837+00	5.3466-03	1.5837+00	5.3466-03	7.4847-03	1.2053-01	1.1543+05	1.3464-03	8.5900-01
415	449.24	3.9907+00	3.2758-01	1.0979-03	3.2758-01	1.0979-03	1.5370-03	2.4750-02	2.3703+04	2.7638-04	9.1700-01
416	453.65	7.1044+00	5.4316-01	1.8269-03	5.4316-01	1.8269-03	2.5575-03	4.1185-02	3.9443+04	4.5997-04	5.7000-01
417	467.52	3.4087+01	2.8161+00	9.5794-03	2.8161+00	9.5794-03	1.3410-02	2.1595-01	2.0682+05	2.4132-03	1.0520+00

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11 1 6.95 -5.05 .00 -.00 402 1 2.45 10.04 216.7 1634.3

7.98667+01 4.80714-03 3.39245-01 4.39687+03 5.04990-06 6.46920-08 2.87944-02 7.72000+00 6.63734-06 7.52444-02

1	446.06	3.1616+00	5.2716-01	1.7620-03	5.2716-01	1.7620-03	2.4665-03	3.9722-02	3.8047+04	4.4364-04	4.1100-01
2	457.41	2.3341+01	3.9222+00	1.3231-02	3.9222+00	1.3231-02	1.8520-02	2.9826-01	2.8568+05	3.3326-03	7.1100-01
3	445.61	1.4557+01	2.4265+00	8.1078-03	2.4265+00	8.1078-03	1.1349-02	1.8278-01	1.7507+05	2.0413-03	1.3070+00
4	440.49	1.5981+01	2.6544+00	8.8328-03	2.6544+00	8.8328-03	1.2364-02	1.9912-01	1.9072+05	2.2234-03	1.6410+00
5	436.84	1.1501+01	1.9947+00	6.6182-03	1.9947+00	6.6182-03	9.2642-03	1.4920-01	1.4290+05	1.6657-03	1.7720+00
6	450.06	1.0416+00	1.7160-01	5.7543-04	1.7160-01	5.7543-04	8.0549-04	1.2972-02	1.2425+04	1.4490-04	2.4660+00
7	449.08	6.6649-01	1.0941-01	3.6659-04	1.0941-01	3.6659-04	5.1315-04	8.2640-03	7.9155+03	9.2309-05	3.0090+00
8	448.95	6.6753-01	1.0859-01	3.6380-04	1.0859-01	3.6380-04	5.0926-04	8.2014-03	7.8555+03	9.1608-05	3.3930+00
9	454.61	6.8727-01	1.1224-01	3.7774-04	1.1224-01	3.7774-04	5.2876-04	8.5155-03	8.1564+03	9.5138-05	3.7770+00
10	469.92	8.2961-01	1.3730-01	4.6788-04	1.3730-01	4.6788-04	6.5495-04	1.0548-02	1.0103+04	1.1791-04	5.3230+00
14	440.57	1.1098+01	1.8434+00	6.1346-03	1.8434+00	6.1346-03	8.5873-03	1.3829-01	1.3246+05	1.5442-03	1.0880+00
15	448.69	2.2836+01	3.8146+00	1.2777-02	3.8146+00	1.2777-02	1.7886-02	2.8804-01	2.7589+05	3.2174-03	1.3070+00
16	456.65	3.1282+01	5.2538+00	1.7711-02	5.2538+00	1.7711-02	2.4792-02	3.9927-01	3.8243+05	4.4612-03	1.6410+00
19	448.21	1.9164+00	2.9100-01	9.7434-04	2.9100-01	9.7434-04	1.3639-03	2.1965-02	2.1039+04	2.4534-04	4.1100-01
20	452.82	1.0972+01	1.7520+00	5.8880-03	1.7520+00	5.8880-03	8.2420-03	1.3273-01	1.2714+05	1.4828-03	7.1100-01
21	445.99	1.6724+01	2.6987+00	9.0198-03	2.6987+00	9.0198-03	1.2626-02	2.0334-01	1.9476+05	2.2710-03	1.0880+00
22	447.18	2.4793+01	4.0283+00	1.3477-02	4.0283+00	1.3477-02	1.8865-02	3.0361-01	2.9100+05	3.3933-03	1.3070+00
23	450.85	2.5913+01	4.1575+00	1.3950-02	4.1575+00	1.3950-02	1.9528-02	3.1448-01	3.0122+05	3.5130-03	1.6410+00
24	456.86	9.8961-01	1.6186-01	5.4574-04	1.6186-01	5.4574-04	7.6393-04	1.2303-02	1.1784+04	1.3746-04	3.0090+00
25	457.45	9.6520-01	1.5413-01	5.1994-04	1.5413-01	5.1994-04	7.2782-04	1.1721-02	1.1227+04	1.3097-04	3.3930+00
26	460.08	1.1678+00	1.8797-01	6.3544-04	1.8797-01	6.3544-04	8.8949-04	1.4325-02	1.3721+04	1.6008-04	3.7770+00
27	465.78	2.4413+01	3.9325+00	1.3356-02	3.9325+00	1.3356-02	1.8696-02	3.0109-01	2.8839+05	3.3653-03	7.1100-01
28	462.52	3.8364+01	6.2608+00	2.1207-02	6.2608+00	2.1207-02	2.9686-02	4.7808-01	4.5792+05	5.3429-03	1.0880+00
29	455.85	3.2785+01	5.4068+00	1.8215-02	5.4068+00	1.8215-02	2.5498-02	4.1064-01	3.9332+05	4.5880-03	1.3070+00
30	447.97	2.1888+01	3.6009+00	1.2055-02	3.6009+00	1.2055-02	1.6874-02	2.7175-01	2.6029+05	3.0353-03	1.6410+00
31	443.77	1.1540+01	1.9212+00	6.4097-03	1.9212+00	6.4097-03	8.9724-03	1.4450-01	1.3840+05	1.6137-03	1.7720+00
32	456.60	7.0286-01	1.1632-01	3.9211-04	1.1632-01	3.9211-04	5.4888-04	8.8394-03	8.4667+03	9.8765-05	2.4660+00
33	455.21	5.3766-01	8.9158-02	3.0022-04	8.9158-02	3.0022-04	4.2024-04	6.7678-03	6.4824+03	7.5614-05	3.0090+00
34	455.73	5.3611-01	8.7615-02	2.9515-04	8.7615-02	2.9515-04	4.1315-04	6.6536-03	6.3730+03	7.4339-05	3.3930+00
35	458.75	6.6857-01	1.0489-01	3.5419-04	1.0489-01	3.5419-04	4.9580-04	7.9846-03	7.6479+03	8.9221-05	3.7770+00
36	464.00	3.8675+01	6.3370+00	2.1491-02	6.3370+00	2.1491-02	3.0083-02	4.8448-01	4.6405+05	5.4148-03	1.3070+00
37	454.26	2.4348+00	4.0707-01	1.3697-03	4.0707-01	1.3697-03	1.9173-03	3.0876-02	2.9574+04	3.4496-04	2.4660+00
38	454.21	1.5174+00	2.4773-01	8.3351-04	2.4773-01	8.3351-04	1.1667-03	1.8790-02	1.7998+04	2.0993-04	3.0090+00
39	454.99	1.2151+00	1.9729-01	6.6419-04	1.9729-01	6.6419-04	9.2974-04	1.4973-02	1.4342+04	1.6729-04	3.3930+00
40	458.26	7.4806-01	1.2063-01	4.0718-04	1.2063-01	4.0718-04	5.6998-04	9.1792-03	8.7921+03	1.0257-04	3.7770+00
41	465.50	5.2675-01	8.3534-02	2.8364-04	8.3534-02	2.8364-04	3.9704-04	6.3942-03	6.1246+03	7.1469-05	4.1620+00
43	466.69	7.4910-01	1.2519-01	4.2549-04	1.2519-01	4.2549-04	5.9560-04	9.5919-03	9.1874+03	1.0721-04	5.3230+00
47	444.14	2.2405+00	3.5891-01	1.1978-03	3.5891-01	1.1978-03	1.6767-03	2.7002-02	2.5864+04	3.0156-04	7.1100-01
48	440.56	8.6722+00	1.4110+00	4.6956-03	1.4110+00	4.6956-03	6.5730-03	1.0586-01	1.0139+05	1.1820-03	1.0880+00
49	440.38	1.8766+01	3.0712+00	1.0219-02	3.0712+00	1.0219-02	1.4304-02	2.3037-01	2.2065+05	2.5723-03	1.3070+00
50	453.80	2.9213+01	4.8540+00	1.6326-02	4.8540+00	1.6326-02	2.2853-02	3.6804-01	3.5252+05	4.1118-03	1.6410+00
51	444.00	1.2993+01	2.1634+00	7.2193-03	2.1634+00	7.2193-03	1.0106-02	1.6275-01	1.5588+05	1.8175-03	1.7720+00
52	455.35	1.4016+00	2.3519-01	7.9202-04	2.3519-01	7.9202-04	1.1087-03	1.7855-02	1.7102+04	1.9948-04	2.4660+00
53	453.68	1.0769+00	1.7575-01	5.9106-04	1.7575-01	5.9106-04	8.2737-04	1.3324-02	1.2763+04	1.4886-04	3.0090+00
54	457.44	9.5429-01	1.5426-01	5.2038-04	1.5426-01	5.2038-04	7.2844-04	1.1731-02	1.1236+04	1.3108-04	3.3930+00
55	460.88	9.4909-01	1.5098-01	5.1072-04	1.5098-01	5.1072-04	7.1492-04	1.1513-02	1.1028+04	1.2866-04	3.7770+00
56	447.64	5.2363-01	8.0249-02	2.6857-04	8.0249-02	2.6857-04	3.7595-04	6.0545-03	5.7992+03	6.7625-05	4.1100-01
57	443.28	1.6322+00	2.5972-01	8.6618-04	2.5972-01	8.6618-04	1.2125-03	1.9527-02	1.8703+04	2.1806-04	7.1100-01
58	437.37	3.1112+00	5.0509-01	1.6766-03	5.0509-01	1.6766-03	2.3468-03	3.7795-02	3.6201+04	4.2198-04	1.0880+00
59	432.90	3.7584+00	6.1009-01	2.0179-03	6.1009-01	2.0179-03	2.8247-03	4.5490-02	4.3572+04	5.0781-04	1.3070+00
60	442.87	1.4663+01	2.4038+00	8.0143-03	2.4038+00	8.0143-03	1.1218-02	1.8067-01	1.7305+05	2.0176-03	1.6410+00
61	456.12	8.3117-01	1.3547-01	4.5648-04	1.3547-01	4.5648-04	6.3899-04	1.0291-02	9.8567+03	1.1498-04	3.0090+00
62	458.22	8.7585-01	1.4166-01	4.7817-04	1.4166-01	4.7817-04	6.6934-04	1.0779-02	1.0325+04	1.2045-04	3.3930+00
63	461.03	9.1585-01	1.4571-01	4.9295-04	1.4571-01	4.9295-04	6.9003-04	1.1113-02	1.0644+04	1.2419-04	3.7770+00
64	436.29	1.7008+00	2.8167-01	9.3417-04	2.8167-01	9.3417-04	1.3077-03	2.1059-02	2.0171+04	2.3511-04	1.0880+00
65	431.64	1.8395+00	3.0366-01	1.0034-03	3.0366-01	1.0034-03	1.4045-03	2.2619-02	2.1665+04	2.5248-04	1.3070+00
66	438.89	3.4649+00	5.7489-01	1.9106-03	5.7489-01	1.9106-03	2.6744-03	4.3070-02	4.1254+04	4.8090-04	1.6410+00
69	446.79	4.1767-01	6.9676-02	2.3303-04	6.9676-02	2.3303-04	3.2620-04	5.2533-03	5.0317+03	5.8673-05	4.1100-01
70	445.02	6.7324-01	1.1218-01	3.7464-04	1.1218-01	3.7464-04	5.2442-04	8.4456-03	8.0894+03	9.4322-05	7.1100-01
71	440.10	1.1460+00	1.8974-01	6.3117-04	1.8974-01	6.3117-04	8.8352-04	1.4229-02	1.3629+04	1.5888-04	1.3070+00
72	453.97	1.8847+00	3.1596-01	1.0628-03	3.1596-01	1.0628-03	1.4878-03	2.3960-02	2.2949+04	2.6768-04	1.6410+00
73	467.25	5.0701-01	8.2505-02	2.8055-04	8.2505-02	2.8055-04	3.9271-04	6.3245-03	6.0577+03	7.0694-05	3.7770+00
74	459.40	9.0546-01	1.4879-01	5.0272-04	1.4879-01	5.0272-04	7.0372-04	1.1333-02	1.0855+04	1.2664-04	5.3230+00
77	444.62	1.0343+00	1.7077-01	5.7016-04	1.7077-01	5.7016-04	7.9811-04	1.2853-02	1.2311+04	1.4354-04	3.0090+00
78	448.00	9.1221-01	1.4919-01	4.9944-04	1.4919-01	4.9944-04	6.9911-04	1.1259-02	1.0784+04	1.2576-04	3.3930+00
79	455.67	1.0125+00	1.6347-01	5.5066-04	1.6347-01	5.5066-04	7.7082-04	1.2414-02	1.1890+04	1.3870-04	3.7770+00
80	449.30	1.0519+00	1.7631-01	5.9084-04	1.7631-01	5.9084-04	8.2707-04	1.3320-02	1.2758+04	1.4878-04	2.4660+00
81	445.97	7.0702-01	1.1685-01	3.9053-04	1.1685-01	3.9053-04	5.4667-04	8.8038-03	8.4325+03	9.8326-05	3.0090+00
82	447.30	7.1740-01	1.1762-01	3.9354-04	1.1762-01	3.9354-04	5.5088-04	8.8717-03	8.4975+03	9.9089-05	3.3930+00
83	454.10	7.6260-01	1.2449-01	4.1882-04	1.2449-01	4.1882-04	5.8627-04	9.4416-03	9.0434+03	1.0548-04	3.7770+00
337	477.09	8.4769+00	1.5826+00	5.4252-03	1.5826+00	5.4252-03	7.5942-03	1.2230-01	1.1714+05	1.3676-03	7.1680+00
339	480.28	3.7325+00	7.1321-01	2.4513-03	7.1321-01	2.4513-03	3.4314-03	5.5261-02	5.2930+04	6.1802-04	8.1130+00
340	472.78	8.2494-01	1.5357-01	5.2458-04	1.5357-01	5.2458-04	7.3432-04	1.1826-02	1.1327+04	1.3222-04	8.6180+00
342	483.48	1.1386+01	2.2031+00	7.5923-03	2.2031+00	7.5923-03	1.0628-02	1.7115-01	1.6394+05	1.9144-03	7.1680+00
344	484.19	3.4270+00	6.5996-01	2.2756-03	6.5996-01	2.2756-03	3.1854-03	5.1300-02	4.9137+04	5.7381-04	8.1130+00
347	482.35	8.2244+00	1.5408+00	5.3049-03	1.5408+00	5.3049-03	7.4258-03	1.1959-01	1.1455+05	1.3376-03	7.1680+00
349	489.63	4.4042+00	8.4894-01	2.9405-03	8.4894-01	2.9405-03	4.1162-03	6.6289-02	6.3494+04	7.4163-04	8.1130+00
350	474.30	9.0338-01	1.5892-01	5.4352-04	1.5892-01	5.4352-04	7.6082-04	1.2253-02	1.1736+04	1.3700-04	8.6180+00
352	483.25	2.4166+00	4.4214-01	1.5234-03	4.4214-01	1.5234-03	2.1324-03	3.4342-02	3.2894+04	3.8411-04	7.1680+00
354	505.51	5.1325+00	9.9689-01	3.4994-03	9.9689-01	3.4994-03	4.8985-03	7.8868-02	7.5561+04	8.8314-04	8.1130+00
357	493.00	1.4062+00	2.5821-01	8.9693-04	2.5821-01	8.9693-04	1.2555-03	2.0220-02	1.9367+04	2.2624-04	7.1680+00
359	521.07	8.3443+00	1.5299+00	5.4421-03	1.5299+00	5.4421-03	7.6179-03	1.2268-01	1.1751+05	1.3743-03	8.1130+00
401	453.65	6.9538+00	5.7594-01	1.9369-03	5.7594-01	1.9369-03	2.7113-03	4.3664-02	4.1823+04	4.8781-04	4.5500-01
403	454.86	9.2213+00	7.5533-01	2.5427-03	7.5533-01	2.5427-03	3.5593-03	5.7320-02	5.4903+04	6.4041-04	6.8600-01
404	461.97	1.5940+01	1.3199+00	4.4687-03	1.3199+00	4.4687-03	6.2553-03	1.0074-01	9.6490+04	1.1258-03	8.0100-01
405	476.53	3.2604+01	2.7098+00	9.2847-03	2.7098+00	9.2847-03	1.2997-02	2.0931-01	2.0048+05	2.3405-03	1.0510+00
406	476.94	3.8678+01	3.2347+00	1.1087-02	3.2347+00	1.1087-02	1.5520-02	2.4994-01	2.3940+05	2.7949-03	1.1670+00
407	480.40	4.3317+01	3.6959+00	1.2704-02	3.6959+00	1.2704-02	1.7783-02	2.8639-01	2.7431+05	3.2029-03	1.2830+00
408	453.64	8.0494+00	6.5090-01	2.1889-03	6.5090-01	2.1889-03	3.0641-03	4.9346-02	4.7265+04	5.5129-04	5.1300-01
409	446.13	1.3917+00	1.1400-01	3.8105-04	1.1400-01	3.8105-04	5.3340-04	8.5901-03	8.2279+03	9.5940-05	5.7000-01
410	452.76	7.3372+00	5.8217-01	1.9564-03	5.8217-01	1.9564-03	2.7386-03	4.4105-02	4.2245+04	4.9272-04	6.2800-01
411	448.64	2.0036+00	1.6440-01	5.5066-04	1.6440-01	5.5066-04	7.7082-04	1.2414-02	1.1890+04	1.3866-04	6.8600-01
412	466.53	9.3901+00	7.7525-01	2.6346-03	7.7525-01	2.6346-03	3.6879-03	5.9393-02	5.6888+04	6.6387-04	7.4400-01
413	447.55	2.9351+00	2.4208-01	8.1013-04	2.4208-01	8.1013-04	1.1340-03	1.8263-02	1.7493+04	2.0398-04	8.0100-01
414	463.09	1.9144+01	1.5769+00	5.3439-03	1.5769+00	5.3439-03	7.4805-03	1.2047-01	1.1539+05	1.3464-03	8.5900-01
415	450.29	4.1278+00	3.3908-01	1.1372-03	3.3908-01	1.1372-03	1.5919-03	2.5637-02	2.4556+04	2.8638-04	9.1700-01
416	455.47	7.4390+00	5.6944-01	1.9179-03	5.6944-01	1.9179-03	2.6846-03	4.3235-02	4.1411+04	4.8305-04	5.7000-01
417	476.12	3.4026+01	2.8272+00	9.6837-03	2.8272+00	9.6837-03	1.3555-02	2.1830-01	2.0910+05	2.4410-03	1.0520+00

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7.98667+01 4.80714-03 3.39245-01 4.39687+03 5.04990-06 6.46920-08 2.87944-02 7.72000+00 6.63734-06 7.52444-02

1	446.84	3.1522+00	5.2588-01	1.7589-03	5.2588-01	1.7589-03	2.4621-03	3.9651-02	3.7978+04	4.4286-04	4.1100-01
2	463.20	2.2972+01	3.8753+00	1.3134-02	3.8753+00	1.3134-02	1.8385-02	2.9608-01	2.8360+05	3.3090-03	7.1100-01
3	449.27	1.4396+01	2.4057+00	8.0617-03	2.4057+00	8.0617-03	1.1285-02	1.8174-01	1.7407+05	2.0300-03	1.3070+00
4	444.49	1.5899+01	2.6482+00	8.8404-03	2.6482+00	8.8404-03	1.2375-02	1.9929-01	1.9089+05	2.2257-03	1.6410+00
5	439.72	1.1394+01	1.9801+00	6.5848-03	1.9801+00	6.5848-03	9.2175-03	1.4844-01	1.4218+05	1.6575-03	1.7720+00
6	450.33	1.0265+00	1.6915-01	5.6733-04	1.6915-01	5.6733-04	7.9415-04	1.2789-02	1.2250+04	1.4286-04	2.4660+00
7	449.24	6.9870-01	1.1471-01	3.8439-04	1.1471-01	3.8439-04	5.3807-04	8.6655-03	8.3000+03	9.6793-05	3.0090+00
8	449.09	6.9922-01	1.1376-01	3.8116-04	1.1376-01	3.8116-04	5.3355-04	8.5926-03	8.2302+03	9.5979-05	3.3930+00
9	454.77	6.7585-01	1.1038-01	3.7155-04	1.1038-01	3.7155-04	5.2009-04	8.3759-03	8.0226+03	9.3579-05	3.7770+00
10	470.13	8.0675-01	1.3353-01	4.5513-04	1.3353-01	4.5513-04	6.3710-04	1.0260-02	9.8275+03	1.1470-04	5.3230+00
14	443.39	1.1326+01	1.8851+00	6.2874-03	1.8851+00	6.2874-03	8.8011-03	1.4174-01	1.3576+05	1.5829-03	1.0880+00
15	454.39	2.3128+01	3.8765+00	1.3051-02	3.8765+00	1.3051-02	1.8269-02	2.9421-01	2.8181+05	3.2870-03	1.3070+00
16	464.42	3.0950+01	5.2255+00	1.7728-02	5.2255+00	1.7728-02	2.4815-02	3.9964-01	3.8279+05	4.4666-03	1.6410+00
19	448.67	1.8951+00	2.8786-01	9.6418-04	2.8786-01	9.6418-04	1.3497-03	2.1736-02	2.0819+04	2.4278-04	4.1100-01
20	455.66	1.1905+01	1.9046+00	6.4157-03	1.9046+00	6.4157-03	8.9807-03	1.4463-01	1.3853+05	1.6159-03	7.1100-01
21	450.14	1.6637+01	2.6924+00	9.0291-03	2.6924+00	9.0291-03	1.2639-02	2.0354-01	1.9496+05	2.2737-03	1.0880+00
22	453.28	2.4529+01	4.0020+00	1.3455-02	4.0020+00	1.3455-02	1.8834-02	3.0332-01	2.9052+05	3.3886-03	1.3070+00
23	457.27	2.5751+01	4.1496+00	1.3996-02	4.1496+00	1.3996-02	1.9592-02	3.1552-01	3.0221+05	3.5255-03	1.6410+00
24	457.08	9.7974-01	1.6027-01	5.4048-04	1.6027-01	5.4048-04	7.5656-04	1.2184-02	1.1670+04	1.3614-04	3.0090+00
25	457.68	9.6416-01	1.5399-01	5.1956-04	1.5399-01	5.1956-04	7.2728-04	1.1713-02	1.1219+04	1.3087-04	3.3930+00
26	460.38	1.1392+00	1.8340-01	6.2016-04	1.8340-01	6.2016-04	8.6811-04	1.3980-02	1.3391+04	1.5623-04	3.7770+00
27	471.81	2.3835+01	3.8550+00	1.3157-02	3.8550+00	1.3157-02	1.8418-02	2.9661-01	2.8410+05	3.3161-03	7.1100-01
28	472.02	3.7518+01	6.1620+00	2.1035-02	6.1620+00	2.1035-02	2.9445-02	4.7420-01	4.5420+05	5.3015-03	1.0880+00
29	464.12	3.3222+01	5.5095+00	1.8687-02	5.5095+00	1.8687-02	2.6158-02	4.2126-01	4.0349+05	4.7082-03	1.3070+00
30	453.35	2.1681+01	3.5801+00	1.2037-02	3.5801+00	1.2037-02	1.6849-02	2.7135-01	2.5991+05	3.0315-03	1.6410+00
31	446.67	1.1590+01	1.9333+00	6.4651-03	1.9333+00	6.4651-03	9.0499-03	1.4575-01	1.3960+05	1.6278-03	1.7720+00
32	456.80	7.7143-01	1.2768-01	4.3049-04	1.2768-01	4.3049-04	6.0260-04	9.7046-03	9.2953+03	1.0843-04	2.4660+00
33	455.34	5.9273-01	9.8298-02	3.3103-04	9.8298-02	3.3103-04	4.6337-04	7.4624-03	7.1477+03	8.3375-05	3.0090+00
34	455.86	5.2675-01	8.6095-02	2.9005-04	8.6095-02	2.9005-04	4.0602-04	6.5388-03	6.2630+03	7.3057-05	3.3930+00
35	458.89	7.2260-01	1.1337-01	3.8289-04	1.1337-01	3.8289-04	5.3598-04	8.6317-03	8.2676+03	9.6452-05	3.7770+00
36	473.60	3.7704+01	6.2178+00	2.1253-02	6.2178+00	2.1253-02	2.9750-02	4.7912-01	4.5891+05	5.3568-03	1.3070+00
37	454.86	2.4436+00	4.0872-01	1.3759-03	4.0872-01	1.3759-03	1.9259-03	3.1016-02	2.9708+04	3.4653-04	2.4660+00
38	454.59	1.4483+00	2.3651-01	7.9600-04	2.3651-01	7.9600-04	1.1143-03	1.7945-02	1.7188+04	2.0048-04	3.0090+00
39	455.38	1.1522+00	1.8713-01	6.3020-04	1.8713-01	6.3020-04	8.8215-04	1.4207-02	1.3608+04	1.5873-04	3.3930+00
40	458.45	8.0260-01	1.2944-01	4.3699-04	1.2944-01	4.3699-04	6.1171-04	9.8513-03	9.4358+03	1.1008-04	3.7770+00
41	465.63	5.8909-01	9.3429-02	3.1727-04	9.3429-02	3.1727-04	4.4412-04	7.1524-03	6.8508+03	7.9943-05	4.1620+00
43	466.89	8.0052-01	1.3380-01	4.5483-04	1.3380-01	4.5483-04	6.3668-04	1.0253-02	9.8210+03	1.1461-04	5.3230+00
47	444.68	2.1553+00	3.4539-01	1.1532-03	3.4539-01	1.1532-03	1.6142-03	2.5997-02	2.4900+04	2.9033-04	7.1100-01
48	442.76	8.7252+00	1.4218+00	4.7398-03	1.4218+00	4.7398-03	6.6349-03	1.0685-01	1.0235+05	1.1932-03	1.0880+00
49	445.10	1.8643+01	3.0611+00	1.0224-02	3.0611+00	1.0224-02	1.4311-02	2.3048-01	2.2076+05	2.5740-03	1.3070+00
50	461.00	2.8828+01	4.8134+00	1.6284-02	4.8134+00	1.6284-02	2.2795-02	3.6710-01	3.5162+05	4.1024-03	1.6410+00
51	447.31	1.2969+01	2.1644+00	7.2417-03	2.1644+00	7.2417-03	1.0137-02	1.6325-01	1.5637+05	1.8234-03	1.7720+00
52	455.68	1.4135+00	2.3725-01	7.9917-04	2.3725-01	7.9917-04	1.1187-03	1.8016-02	1.7256+04	2.0129-04	2.4660+00
53	453.94	1.0525+00	1.7180-01	5.7788-04	1.7180-01	5.7788-04	8.0893-04	1.3027-02	1.2478+04	1.4554-04	3.0090+00
54	457.67	1.0405+00	1.6823-01	5.6761-04	1.6823-01	5.6761-04	7.9454-04	1.2796-02	1.2256+04	1.4298-04	3.3930+00
55	461.12	9.0649-01	1.4423-01	4.8797-04	1.4423-01	4.8797-04	6.8307-04	1.1001-02	1.0537+04	1.2293-04	3.7770+00
56	447.63	3.6261-01	5.5571-02	1.8598-04	5.5571-02	1.8598-04	2.6034-04	4.1926-03	4.0158+03	4.6829-05	4.1100-01
57	443.70	1.6192+00	2.5773-01	8.5982-04	2.5773-01	8.5982-04	1.2036-03	1.9383-02	1.8566+04	2.1646-04	7.1100-01
58	438.13	3.0847+00	5.0105-01	1.6642-03	5.0105-01	1.6642-03	2.3295-03	3.7516-02	3.5934+04	4.1887-04	1.0880+00
59	433.85	3.7974+00	6.1682-01	2.0417-03	6.1682-01	2.0417-03	2.8580-03	4.6027-02	4.4086+04	5.1382-04	1.3070+00
60	446.54	1.4441+01	2.3734+00	7.9361-03	2.3734+00	7.9361-03	1.1109-02	1.7891-01	1.7136+05	1.9982-03	1.6410+00
61	456.35	8.6545-01	1.4108-01	4.7547-04	1.4108-01	4.7547-04	6.6557-04	1.0719-02	1.0267+04	1.1976-04	3.0090+00
62	458.45	8.9455-01	1.4471-01	4.8854-04	1.4471-01	4.8854-04	6.8386-04	1.1013-02	1.0549+04	1.2306-04	3.3930+00
63	461.29	1.0530+00	1.6755-01	5.6698-04	1.6755-01	5.6698-04	7.9366-04	1.2782-02	1.2243+04	1.4284-04	3.7770+00
64	436.73	1.6899+00	2.7995-01	9.2879-04	2.7995-01	9.2879-04	1.3001-03	2.0938-02	2.0055+04	2.3376-04	1.0880+00
65	432.09	1.8390+00	3.0367-01	1.0038-03	3.0367-01	1.0038-03	1.4051-03	2.2628-02	2.1674+04	2.5259-04	1.3070+00
66	439.76	3.4945+00	5.8015-01	1.9294-03	5.8015-01	1.9294-03	2.7008-03	4.3495-02	4.1660+04	4.8566-04	1.6410+00
69	446.91	4.3377-01	7.2368-02	2.4206-04	7.2368-02	2.4206-04	3.3883-04	5.4567-03	5.2266+03	6.0946-05	4.1100-01
70	445.18	6.3377-01	1.0561-01	3.5275-04	1.0561-01	3.5275-04	4.9378-04	7.9522-03	7.6168+03	8.8812-05	7.1100-01
71	440.36	1.1236+00	1.8607-01	6.1912-04	1.8607-01	6.1912-04	8.6664-04	1.3957-02	1.3368+04	1.5585-04	1.3070+00
72	454.46	1.8909+00	3.1711-01	1.0671-03	3.1711-01	1.0671-03	1.4938-03	2.4057-02	2.3042+04	2.6877-04	1.6410+00
73	467.38	4.5143-01	7.3466-02	2.4984-04	7.3466-02	2.4984-04	3.4972-04	5.6321-03	5.3946+03	6.2956-05	3.7770+00
74	459.62	8.5351-01	1.4028-01	4.7404-04	1.4028-01	4.7404-04	6.6356-04	1.0686-02	1.0236+04	1.1942-04	5.3230+00
77	444.86	1.0545+00	1.7415-01	5.8153-04	1.7415-01	5.8153-04	8.1404-04	1.3110-02	1.2557+04	1.4641-04	3.0090+00
78	448.22	9.2364-01	1.5108-01	5.0586-04	1.5108-01	5.0586-04	7.0811-04	1.1404-02	1.0923+04	1.2738-04	3.3930+00
79	455.92	1.0052+00	1.6233-01	5.4691-04	1.6233-01	5.4691-04	7.6556-04	1.2329-02	1.1809+04	1.3775-04	3.7770+00
80	449.55	1.0514+00	1.7625-01	5.9077-04	1.7625-01	5.9077-04	8.2696-04	1.3318-02	1.2756+04	1.4876-04	2.4660+00
81	446.17	7.2987-01	1.2064-01	4.0327-04	1.2064-01	4.0327-04	5.6450-04	9.0911-03	8.7077+03	1.0154-04	3.0090+00
82	447.46	6.8156-01	1.1176-01	3.7397-04	1.1176-01	3.7397-04	5.2348-04	8.4305-03	8.0749+03	9.4162-05	3.3930+00
83	454.28	7.4649-01	1.2188-01	4.1009-04	1.2188-01	4.1009-04	5.7405-04	9.2448-03	8.8549+03	1.0328-04	3.7770+00
337	479.21	8.4218+00	1.5745+00	5.4069-03	1.5745+00	5.4069-03	7.5687-03	1.2189-01	1.1675+05	1.3631-03	7.1680+00
339	481.21	3.7247+00	7.1216-01	2.4496-03	7.1216-01	2.4496-03	3.4289-03	5.5221-02	5.2893+04	6.1760-04	8.1130+00
340	473.00	8.9143-01	1.6598-01	5.6705-04	1.6598-01	5.6705-04	7.9377-04	1.2783-02	1.2244+04	1.4292-04	8.6180+00
342	486.33	1.1307+01	2.1918+00	7.5712-03	2.1918+00	7.5712-03	1.0598-02	1.7068-01	1.6348+05	1.9093-03	7.1680+00
344	485.04	3.3917+00	6.5352-01	2.2550-03	6.5352-01	2.2550-03	3.1566-03	5.0836-02	4.8692+04	5.6863-04	8.1130+00
347	484.45	8.6307+00	1.6191+00	5.5843-03	1.6191+00	5.5843-03	7.8169-03	1.2589-01	1.2058+05	1.4081-03	7.1680+00
349	490.75	4.2987+00	8.2921-01	2.8749-03	8.2921-01	2.8749-03	4.0243-03	6.4809-02	6.2076+04	7.2511-04	8.1130+00
350	474.53	9.0805-01	1.5977-01	5.4652-04	1.5977-01	5.4652-04	7.6502-04	1.2320-02	1.1801+04	1.3775-04	8.6180+00
352	483.86	2.4925+00	4.5620-01	1.5726-03	4.5620-01	1.5726-03	2.2014-03	3.5452-02	3.3957+04	3.9654-04	7.1680+00
354	506.74	5.2260+00	1.0159+00	3.5697-03	1.0159+00	3.5697-03	4.9969-03	8.0472-02	7.7078+04	9.0092-04	8.1130+00
357	493.31	1.1740+00	2.1562-01	7.4916-04	2.1562-01	7.4916-04	1.0487-03	1.6889-02	1.6176+04	1.8897-04	7.1680+00
359	522.93	5.5527+00	1.0192+00	3.6314-03	1.0192+00	3.6314-03	5.0832-03	8.1863-02	7.8411+04	9.1709-04	8.1130+00
401	455.40	6.9418+00	5.7564-01	1.9386-03	5.7564-01	1.9386-03	2.7137-03	4.3702-02	4.1859+04	4.8827-04	4.5500-01
403	457.22	9.2597+00	7.5970-01	2.5622-03	7.5970-01	2.5622-03	3.5867-03	5.7762-02	5.5326+04	6.4540-04	6.8600-01
404	465.88	1.5444+01	1.2821+00	4.3549-03	1.2821+00	4.3549-03	6.0960-03	9.8173-02	9.4033+04	1.0973-03	8.0100-01
405	484.50	3.1486+01	2.6307+00	9.0732-03	2.6307+00	9.0732-03	1.2701-02	2.0454-01	1.9591+05	2.2879-03	1.0510+00
406	486.43	3.7430+01	3.1499+00	1.0882-02	3.1499+00	1.0882-02	1.5232-02	2.4531-01	2.3496+05	2.7441-03	1.1670+00
407	490.96	4.1476+01	3.5633+00	1.2356-02	3.5633+00	1.2356-02	1.7296-02	2.7855-01	2.6680+05	3.1165-03	1.2830+00
408	455.70	8.2561+00	6.6855-01	2.2521-03	6.6855-01	2.2521-03	3.1525-03	5.0769-02	4.8628+04	5.6723-04	5.1300-01
409	446.49	1.5273+00	1.2513-01	4.1840-04	1.2513-01	4.1840-04	5.8568-04	9.4321-03	9.0343+03	1.0535-04	5.7000-01
410	454.60	7.5008+00	5.9590-01	2.0056-03	5.9590-01	2.0056-03	2.8074-03	4.5212-02	4.3305+04	5.0512-04	6.2800-01
411	449.15	2.1029+00	1.7261-01	5.7837-04	1.7261-01	5.7837-04	8.0961-04	1.3038-02	1.2489+04	1.4564-04	6.8600-01
412	468.89	9.4899+00	7.8472-01	2.6719-03	7.8472-01	2.6719-03	3.7402-03	6.0234-02	5.7694+04	6.7333-04	7.4400-01
413	448.35	3.1501+00	2.5996-01	8.7053-04	2.5996-01	8.7053-04	1.2186-03	1.9625-02	1.8797+04	2.1920-04	8.0100-01
414	467.83	1.8847+01	1.5574+00	5.2982-03	1.5574+00	5.2982-03	7.4165-03	1.1944-01	1.1440+05	1.3351-03	8.5900-01
415	451.33	4.2353+00	3.4816-01	1.1687-03	3.4816-01	1.1687-03	1.6359-03	2.6346-02	2.5235+04	2.9431-04	9.1700-01
416	457.37	7.5512+00	5.7878-01	1.9523-03	5.7878-01	1.9523-03	2.7328-03	4.4011-02	4.2155+04	4.9176-04	5.7000-01
417	484.55	3.3329+01	2.7847+00	9.6051-03	2.7847+00	9.6051-03	1.3445-02	2.1653-01	2.0740+05	2.4220-03	1.0520+00

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7.98757+01 4.80707-03 3.39240-01 4.39712+03 5.04926-06 6.46993-08 2.87892-02 7.72000+00 6.63819-06 7.52432-02

1	448.48	3.3912+00	5.6639-01	1.8971-03	5.6639-01	1.8971-03	2.6558-03	4.2768-02	4.0959+04	4.7756-04	4.1100-01
2	474.48	2.2186+01	3.7711+00	1.2902-02	3.7711+00	1.2902-02	1.8061-02	2.9084-01	2.7854+05	3.2509-03	7.1100-01
3	456.34	1.4197+01	2.3839+00	8.0358-03	2.3839+00	8.0358-03	1.1249-02	1.8115-01	1.7349+05	2.0234-03	1.3070+00
4	452.28	1.5449+01	2.5869+00	8.6917-03	2.5869+00	8.6917-03	1.2168-02	1.9594-01	1.8765+05	2.1882-03	1.6410+00
5	445.33	1.1143+01	1.9440+00	6.4950-03	1.9440+00	6.4950-03	9.0924-03	1.4642-01	1.4023+05	1.6348-03	1.7720+00
6	450.82	1.0016+00	1.6510-01	5.5404-04	1.6510-01	5.5404-04	7.7560-04	1.2490-02	1.1962+04	1.3948-04	2.4660+00
7	449.60	6.8156-01	1.1192-01	3.7523-04	1.1192-01	3.7523-04	5.2528-04	8.4588-03	8.1010+03	9.4458-05	3.0090+00
8	449.44	7.4597-01	1.2139-01	4.0692-04	1.2139-01	4.0692-04	5.6965-04	9.1733-03	8.7853+03	1.0244-04	3.3930+00
9	455.15	6.7377-01	1.1067-01	3.7067-04	1.1067-01	3.7067-04	5.1891-04	8.3562-03	8.0027+03	9.3331-05	3.7770+00
10	470.53	8.1766-01	1.3537-01	4.6164-04	1.3537-01	4.6164-04	6.4625-04	1.0407-02	9.9667+03	1.1631-04	5.3230+00
14	449.19	1.1660+01	1.9484+00	6.5300-03	1.9484+00	6.5300-03	9.1414-03	1.4721-01	1.4098+05	1.6438-03	1.0880+00
15	466.23	2.4048+01	4.0652+00	1.3814-02	4.0652+00	1.3814-02	1.9338-02	3.1141-01	2.9824+05	3.4797-03	1.3070+00
16	479.78	3.0215+01	5.1537+00	1.7709-02	5.1537+00	1.7709-02	2.4791-02	3.9922-01	3.8233+05	4.4632-03	1.6410+00
19	449.64	1.8914+00	2.8750-01	9.6388-04	2.8750-01	9.6388-04	1.3493-03	2.1729-02	2.0810+04	2.4264-04	4.1100-01
20	462.11	1.3296+01	2.1364+00	7.2355-03	2.1364+00	7.2355-03	1.0129-02	1.6311-01	1.5621+05	1.8223-03	7.1100-01
21	458.45	1.7098+01	2.7826+00	9.3959-03	2.7826+00	9.3959-03	1.3153-02	2.1181-01	2.0285+05	2.3661-03	1.0880+00
22	465.57	2.4767+01	4.0747+00	1.3839-02	4.0747+00	1.3839-02	1.9373-02	3.1197-01	2.9878+05	3.4859-03	1.3070+00
23	470.18	2.5769+01	4.1887+00	1.4280-02	4.1887+00	1.4280-02	1.9990-02	3.2191-01	3.0830+05	3.5976-03	1.6410+00
24	457.63	1.0535+00	1.7240-01	5.8173-04	1.7240-01	5.8173-04	8.1437-04	1.3114-02	1.2559+04	1.4649-04	3.0090+00
25	458.18	1.0727+00	1.7139-01	5.7859-04	1.7139-01	5.7859-04	8.0997-04	1.3043-02	1.2492+04	1.4570-04	3.3930+00
26	460.92	1.1018+00	1.7745-01	6.0038-04	1.7745-01	6.0038-04	8.4048-04	1.3535-02	1.2962+04	1.5120-04	3.7770+00
27	483.37	2.2286+01	3.6320+00	1.2517-02	3.6320+00	1.2517-02	1.7523-02	2.8218-01	2.7025+05	3.1552-03	7.1100-01
28	490.29	3.5631+01	5.9227+00	2.0530-02	5.9227+00	2.0530-02	2.8740-02	4.6281-01	4.4323+05	5.1763-03	1.0880+00
29	480.87	3.3383+01	5.5983+00	1.9254-02	5.5983+00	1.9254-02	2.6954-02	4.3404-01	4.1569+05	4.8528-03	1.3070+00
30	464.23	2.1715+01	3.6123+00	1.2255-02	3.6123+00	1.2255-02	1.7156-02	2.7626-01	2.6458+05	3.0867-03	1.6410+00
31	452.36	1.1256+01	1.8850+00	6.3335-03	1.8850+00	6.3335-03	8.8664-03	1.4278-01	1.3674+05	1.5945-03	1.7720+00
32	457.19	7.2571-01	1.2015-01	4.0528-04	1.2015-01	4.0528-04	5.6735-04	9.1363-03	8.7498+03	1.0205-04	2.4660+00
33	455.64	5.6727-01	9.4095-02	3.1700-04	9.4095-02	3.1700-04	4.4378-04	7.1463-03	6.8440+03	7.9820-05	3.0090+00
34	456.13	6.0935-01	9.9613-02	3.3572-04	9.9613-02	3.3572-04	4.6998-04	7.5683-03	7.2482+03	8.4535-05	3.3930+00
35	459.32	7.9896-01	1.2539-01	4.2370-04	1.2539-01	4.2370-04	5.9314-04	9.5515-03	9.1475+03	1.0670-04	3.7770+00
36	491.84	3.5323+01	5.8952+00	2.0461-02	5.8952+00	2.0461-02	2.8643-02	4.6126-01	4.4175+05	5.1593-03	1.3070+00
37	456.07	2.4566+00	4.1122-01	1.3859-03	4.1122-01	1.3859-03	1.9401-03	3.1242-02	2.9921+04	3.4896-04	2.4660+00
38	455.33	1.5491+00	2.5310-01	8.5246-04	2.5310-01	8.5246-04	1.1934-03	1.9217-02	1.8404+04	2.1464-04	3.0090+00
39	455.81	1.0395+00	1.6887-01	5.6900-04	1.6887-01	5.6900-04	7.9654-04	1.2827-02	1.2284+04	1.4327-04	3.3930+00
40	458.85	7.9117-01	1.2763-01	4.3109-04	1.2763-01	4.3109-04	6.0349-04	9.7183-03	9.3072+03	1.0856-04	3.7770+00
41	465.92	6.1662-01	9.7814-02	3.3230-04	9.7814-02	3.3230-04	4.6519-04	7.4911-03	7.1742+03	8.3704-05	4.1620+00
43	467.30	7.8597-01	1.3140-01	4.4691-04	1.3140-01	4.4691-04	6.2563-04	1.0075-02	9.6487+03	1.1258-04	5.3230+00
47	445.73	2.0857+00	3.3448-01	1.1179-03	3.3448-01	1.1179-03	1.5649-03	2.5201-02	2.4135+04	2.8137-04	7.1100-01
48	447.10	8.7543+00	1.4308+00	4.7873-03	1.4308+00	4.7873-03	6.7018-03	1.0792-01	1.0336+05	1.2050-03	1.0880+00
49	454.31	1.8407+01	3.0415+00	1.0236-02	3.0415+00	1.0236-02	1.4329-02	2.3075-01	2.2099+05	2.5772-03	1.3070+00
50	475.32	2.8210+01	4.7556+00	1.6281-02	4.7556+00	1.6281-02	2.2792-02	3.6703-01	3.5150+05	4.1026-03	1.6410+00
51	453.72	1.3042+01	2.1861+00	7.3533-03	2.1861+00	7.3533-03	1.0294-02	1.6577-01	1.5876+05	1.8514-03	1.7720+00
52	456.41	1.4483+00	2.4321-01	8.1987-04	2.4321-01	8.1987-04	1.1477-03	1.8483-02	1.7701+04	2.0644-04	2.4660+00
53	454.49	1.1325+00	1.8492-01	6.2241-04	1.8492-01	6.2241-04	8.7132-04	1.4031-02	1.3438+04	1.5671-04	3.0090+00
54	458.17	1.0109+00	1.6350-01	5.5195-04	1.6350-01	5.5195-04	7.7268-04	1.2443-02	1.1916+04	1.3899-04	3.3930+00
55	461.58	9.1117-01	1.4501-01	4.9091-04	1.4501-01	4.9091-04	6.8722-04	1.1067-02	1.0599+04	1.2364-04	3.7770+00
56	448.01	5.5429-01	8.4970-02	2.8450-04	8.4970-02	2.8450-04	3.9828-04	6.4136-03	6.1423+03	7.1615-05	4.1100-01
57	444.48	1.5662+00	2.4943-01	8.3279-04	2.4943-01	8.3279-04	1.1658-03	1.8774-02	1.7980+04	2.0960-04	7.1100-01
58	439.66	3.1055+00	5.0496-01	1.6795-03	5.0496-01	1.6795-03	2.3511-03	3.7861-02	3.6260+04	4.2262-04	1.0880+00
59	435.77	3.8914+00	6.3294-01	2.0986-03	6.3294-01	2.0986-03	2.9378-03	4.7309-02	4.5308+04	5.2801-04	1.3070+00
60	453.62	1.4215+01	2.3476+00	7.8960-03	2.3476+00	7.8960-03	1.1054-02	1.7800-01	1.7047+05	1.9880-03	1.6410+00
61	456.74	7.8130-01	1.2739-01	4.2956-04	1.2739-01	4.2956-04	6.0134-04	9.6837-03	9.2741+03	1.0817-04	3.0090+00
62	458.88	9.3714-01	1.5164-01	5.1221-04	1.5164-01	5.1221-04	7.1705-04	1.1547-02	1.1059+04	1.2899-04	3.3930+00
63	461.85	1.0587+00	1.6852-01	5.7062-04	1.6852-01	5.7062-04	7.9882-04	1.2864-02	1.2320+04	1.4371-04	3.7770+00
64	437.55	1.7101+00	2.8347-01	9.4122-04	2.8347-01	9.4122-04	1.3176-03	2.1218-02	2.0321+04	2.3683-04	1.0880+00
65	433.01	1.8374+00	3.0360-01	1.0044-03	3.0360-01	1.0044-03	1.4061-03	2.2643-02	2.1685+04	2.5269-04	1.3070+00
66	441.49	3.4597+00	5.7506-01	1.9154-03	5.7506-01	1.9154-03	2.6814-03	4.3180-02	4.1353+04	4.8203-04	1.6410+00
69	447.09	3.6000-01	6.0069-02	2.0098-04	6.0069-02	2.0098-04	2.8135-04	4.5307-03	4.3391+03	5.0589-05	4.1100-01
70	445.46	5.5169-01	9.1950-02	3.0724-04	9.1950-02	3.0724-04	4.3011-04	6.9263-03	6.6333+03	7.7332-05	7.1100-01
71	440.90	1.0603+00	1.7564-01	5.8476-04	1.7564-01	5.8476-04	8.1860-04	1.3182-02	1.2625+04	1.4715-04	1.3070+00
72	455.35	1.7990+00	3.0187-01	1.0168-03	3.0187-01	1.0168-03	1.4234-03	2.2921-02	2.1951+04	2.5601-04	1.6410+00
73	467.56	4.6649-01	7.5927-02	2.5829-04	7.5927-02	2.5829-04	3.6158-04	5.8227-03	5.5764+03	6.5066-05	3.7770+00
74	460.00	7.6935-01	1.2648-01	4.2761-04	1.2648-01	4.2761-04	5.9861-04	9.6397-03	9.2320+03	1.0769-04	5.3230+00
77	445.42	1.0930+00	1.8057-01	6.0333-04	1.8057-01	6.0333-04	8.4460-04	1.3601-02	1.3026+04	1.5185-04	3.0090+00
78	448.70	9.9480-01	1.6277-01	5.4531-04	1.6277-01	5.4531-04	7.6339-04	1.2293-02	1.1773+04	1.3727-04	3.3930+00
79	456.44	9.9688-01	1.6104-01	5.4289-04	1.6104-01	5.4289-04	7.5999-04	1.2238-02	1.1721+04	1.3670-04	3.7770+00
80	450.07	1.0987+00	1.8424-01	6.1791-04	1.8424-01	6.1791-04	8.6502-04	1.3930-02	1.3341+04	1.5555-04	2.4660+00
81	446.51	7.2000-01	1.1904-01	3.9809-04	1.1904-01	3.9809-04	5.5728-04	8.9742-03	8.5946+03	1.0020-04	3.0090+00
82	447.82	7.3299-01	1.2022-01	4.0246-04	1.2022-01	4.0246-04	5.6341-04	9.0729-03	8.6891+03	1.0131-04	3.3930+00
83	454.65	7.8234-01	1.2776-01	4.3008-04	1.2776-01	4.3008-04	6.0208-04	9.6955-03	9.2854+03	1.0829-04	3.7770+00
337	483.38	8.3532+00	1.5660+00	5.3971-03	1.5660+00	5.3971-03	7.5554-03	1.2167-01	1.1652+05	1.3604-03	7.1680+00
339	483.06	3.6945+00	7.0726-01	2.4368-03	7.0726-01	2.4368-03	3.4114-03	5.4934-02	5.2611+04	6.1424-04	8.1130+00
340	473.41	8.2026-01	1.5277-01	5.2218-04	1.5277-01	5.2218-04	7.3101-04	1.1772-02	1.1274+04	1.3157-04	8.6180+00
342	491.88	1.1017+01	2.1434+00	7.4393-03	2.1434+00	7.4393-03	1.0414-02	1.6771-01	1.6061+05	1.8758-03	7.1680+00
344	486.74	3.3247+00	6.4132-01	2.2164-03	6.4132-01	2.2164-03	3.1028-03	4.9965-02	4.7852+04	5.5876-04	8.1130+00
347	488.91	8.8566+00	1.6664+00	5.7695-03	1.6664+00	5.7695-03	8.0768-03	1.3006-01	1.2456+05	1.4546-03	7.1680+00
349	492.85	4.1948+00	8.1028-01	2.8146-03	8.1028-01	2.8146-03	3.9402-03	6.3451-02	6.0768+04	7.0975-04	8.1130+00
350	474.94	7.8390-01	1.3796-01	4.7216-04	1.3796-01	4.7216-04	6.6098-04	1.0644-02	1.0194+04	1.1898-04	8.6180+00
352	485.12	2.7813+00	5.0948-01	1.7584-03	5.0948-01	1.7584-03	2.4616-03	3.9641-02	3.7964+04	4.4327-04	7.1680+00
354	509.49	5.5397+00	1.0787+00	3.8001-03	1.0787+00	3.8001-03	5.3198-03	8.5666-02	8.2043+04	9.5887-04	8.1130+00
357	493.81	9.5844-01	1.7608-01	6.1215-04	1.7608-01	6.1215-04	8.5695-04	1.3800-02	1.3216+04	1.5437-04	7.1680+00
359	524.39	2.4836+00	4.5631-01	1.6281-03	4.5631-01	1.6281-03	2.2792-03	3.6702-02	3.5150+04	4.1106-04	8.1130+00
401	458.78	6.5579+00	5.4505-01	1.8409-03	5.4505-01	1.8409-03	2.5771-03	4.1501-02	3.9745+04	4.6359-04	4.5500-01
403	461.72	8.7548+00	7.2046-01	2.4392-03	7.2046-01	2.4392-03	3.4147-03	5.4988-02	5.2662+04	6.1432-04	6.8600-01
404	473.35	1.4319+01	1.1947+00	4.0834-03	1.1947+00	4.0834-03	5.7164-03	9.2053-02	8.8160+04	1.0289-03	8.0100-01
405	499.69	2.9252+01	2.4682+00	8.6233-03	2.4682+00	8.6233-03	1.2072-02	1.9440-01	1.8617+05	2.1750-03	1.0510+00
406	504.54	3.4866+01	2.9687+00	1.0414-02	2.9687+00	1.0414-02	1.4579-02	2.3477-01	2.2484+05	2.6273-03	1.1670+00
407	510.91	3.8515+01	3.3515+00	1.1821-02	3.3515+00	1.1821-02	1.6548-02	2.6648-01	2.5521+05	2.9829-03	1.2830+00
408	459.81	7.9657+00	6.4684-01	2.1866-03	6.4684-01	2.1866-03	3.0610-03	4.9292-02	4.7207+04	5.5066-04	5.1300-01
409	447.31	1.6473+00	1.3504-01	4.5189-04	1.3504-01	4.5189-04	6.3261-04	1.0187-02	9.7562+03	1.1375-04	5.7000-01
410	458.46	7.7003+00	6.1335-01	2.0711-03	6.1335-01	2.0711-03	2.8993-03	4.6689-02	4.4714+04	5.2155-04	6.2800-01
411	450.23	2.1953+00	1.8033-01	6.0487-04	1.8033-01	6.0487-04	8.4676-04	1.3636-02	1.3059+04	1.5227-04	6.8600-01
412	473.68	9.3605+00	7.7651-01	2.6548-03	7.7651-01	2.6548-03	3.7165-03	5.9848-02	5.7317+04	6.6894-04	7.4400-01
413	449.99	3.2758+00	2.7064-01	9.0763-04	2.7064-01	9.0763-04	1.2706-03	2.0461-02	1.9596+04	2.2849-04	8.0100-01
414	477.08	1.7984+01	1.4953+00	5.1265-03	1.4953+00	5.1265-03	7.1767-03	1.1557-01	1.1068+05	1.2919-03	8.5900-01
415	453.52	4.8971+00	4.0317-01	1.3559-03	4.0317-01	1.3559-03	1.8982-03	3.0567-02	2.9274+04	3.4139-04	9.1700-01
416	461.14	7.4400+00	5.7171-01	1.9347-03	5.7171-01	1.9347-03	2.7084-03	4.3614-02	4.1769+04	4.8725-04	5.7000-01
417	500.88	3.1863+01	2.6905+00	9.4093-03	2.6905+00	9.4093-03	1.3172-02	2.1212-01	2.0315+05	2.3734-03	1.0520+00

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12 1 1.92 -10.08 .00 -.00 402 1 1.95 10.04 211.0 1637.0

8.00350+01 4.68307-03 3.30378-01 4.40076+03 4.90922-06 6.48284-08 2.79581-02 7.72000+00 6.65333-06 7.52218-02

1	458.03	1.0557+01	1.7747+00	5.9751-03	1.7747+00	5.9751-03	8.5961-03	1.3675-01	1.2871+05	1.5053-03	4.1100-01
2	465.47	1.5785+01	2.6670+00	9.0337-03	2.6670+00	9.0337-03	1.2996-02	2.0676-01	1.9459+05	2.2764-03	7.1100-01
3	449.17	1.2373+01	2.0675+00	6.9112-03	2.0675+00	6.9112-03	9.9428-03	1.5818-01	1.4887+05	1.7405-03	1.3070+00
4	443.26	3.0082+01	5.0061+00	1.6655-02	5.0061+00	1.6655-02	2.3961-02	3.8120-01	3.5877+05	4.1935-03	1.6410+00
5	434.53	2.1864+01	3.7858+00	1.2508-02	3.7858+00	1.2508-02	1.7995-02	2.8628-01	2.6944+05	3.1482-03	1.7720+00
6	425.64	1.8888+00	3.0595-01	1.0038-03	3.0595-01	1.0038-03	1.4441-03	2.2974-02	2.1622+04	2.5256-04	2.4660+00
7	433.83	1.1979+00	1.9458-01	6.4253-04	1.9458-01	6.4253-04	9.2438-04	1.4706-02	1.3841+04	1.6172-04	3.0090+00
8	441.23	1.3782+00	2.2301-01	7.4075-04	2.2301-01	7.4075-04	1.0657-03	1.6954-02	1.5956+04	1.8649-04	3.3930+00
9	449.68	1.5330+00	2.4950-01	8.3438-04	2.4950-01	8.3438-04	1.2004-03	1.9097-02	1.7973+04	2.1013-04	3.7770+00
10	473.09	1.9891+00	3.2988-01	1.1243-03	3.2988-01	1.1243-03	1.6175-03	2.5733-02	2.4219+04	2.8342-04	5.3230+00
14	448.71	1.2796+01	2.1375+00	7.1425-03	2.1375+00	7.1425-03	1.0276-02	1.6347-01	1.5385+05	1.7987-03	1.0880+00
15	451.91	2.9524+01	4.9426+00	1.6559-02	4.9426+00	1.6559-02	2.3822-02	3.7899-01	3.5669+05	4.1706-03	1.3070+00
16	442.32	2.2681+01	3.7721+00	1.2540-02	3.7721+00	1.2540-02	1.8041-02	2.8702-01	2.7013+05	3.1573-03	1.6410+00
19	451.78	5.2353+00	7.9693-01	2.6696-03	7.9693-01	2.6696-03	3.8406-03	6.1101-02	5.7505+04	6.7237-04	4.1100-01
20	448.81	3.3709+00	5.3678-01	1.7938-03	5.3678-01	1.7938-03	2.5807-03	4.1056-02	3.8640+04	4.5174-04	7.1100-01
21	442.78	8.8197+00	1.4201+00	4.7228-03	1.4201+00	4.7228-03	6.7945-03	1.0809-01	1.0173+05	1.1891-03	1.0880+00
22	439.00	1.4531+01	2.3476+00	7.7841-03	2.3476+00	7.7841-03	1.1199-02	1.7816-01	1.6767+05	1.9595-03	1.3070+00
23	437.12	2.2328+01	3.5486+00	1.1749-02	3.5486+00	1.1749-02	1.6902-02	2.6890-01	2.5307+05	2.9573-03	1.6410+00
24	443.67	1.2213+00	1.9795-01	6.5882-04	1.9795-01	6.5882-04	9.4781-04	1.5079-02	1.4191+04	1.6588-04	3.0090+00
25	451.22	8.9558-01	1.4241-01	4.7684-04	1.4241-01	4.7684-04	6.8600-04	1.0914-02	1.0271+04	1.2009-04	3.3930+00
26	459.79	8.0364-01	1.2933-01	4.3604-04	1.2933-01	4.3604-04	6.2731-04	9.9798-03	9.3926+03	1.0986-04	3.7770+00
27	448.21	5.1849+00	8.2530-01	2.7567-03	8.2530-01	2.7567-03	3.9660-03	6.3094-02	5.9382+04	6.9421-04	7.1100-01
28	438.83	7.0493+00	1.1319+00	3.7526-03	1.1319+00	3.7526-03	5.3987-03	8.5888-02	8.0834+04	9.4467-04	1.0880+00
29	435.86	1.0828+01	1.7613+00	5.8254-03	1.7613+00	5.8254-03	8.3808-03	1.3333-01	1.2548+05	1.4663-03	1.3070+00
30	433.98	1.9766+01	3.2204+00	1.0636-02	3.2204+00	1.0636-02	1.5301-02	2.4342-01	2.2910+05	2.6769-03	1.6410+00
31	434.11	1.5080+01	2.4937+00	8.2363-03	2.4937+00	8.2363-03	1.1849-02	1.8851-01	1.7742+05	2.0730-03	1.7720+00
32	440.28	2.2608+00	3.6997-01	1.2280-03	3.6997-01	1.2280-03	1.7666-03	2.8105-02	2.6451+04	3.0914-04	2.4660+00
33	447.10	1.7371+00	2.8647-01	9.5602-04	2.8647-01	9.5602-04	1.3754-03	2.1881-02	2.0593+04	2.4074-04	3.0090+00
34	455.07	1.1127+00	1.8177-01	6.1052-04	1.8177-01	6.1052-04	8.7833-04	1.3973-02	1.3151+04	1.5379-04	3.3930+00
35	464.36	7.5792-01	1.1935-01	4.0391-04	1.1935-01	4.0391-04	5.8108-04	9.2444-03	8.7005+03	1.0178-04	3.7770+00
36	435.91	9.0135+00	1.4487+00	4.7919-03	1.4487+00	4.7919-03	6.8938-03	1.0967-01	1.0322+05	1.2061-03	1.3070+00
37	445.20	1.4655+00	2.4349-01	8.1136-04	2.4349-01	8.1136-04	1.1673-03	1.8570-02	1.7477+04	2.0430-04	2.4660+00
38	451.77	1.1579+00	1.8873-01	6.3221-04	1.8873-01	6.3221-04	9.0952-04	1.4470-02	1.3618+04	1.5923-04	3.0090+00
39	460.44	1.4790+00	2.4102-01	8.1306-04	2.4102-01	8.1306-04	1.1697-03	1.8609-02	1.7514+04	2.0485-04	3.3930+00
40	469.50	9.3818-01	1.5243-01	5.1802-04	1.5243-01	5.1802-04	7.4524-04	1.1856-02	1.1158+04	1.3056-04	3.7770+00
41	477.99	6.8883-01	1.1015-01	3.7694-04	1.1015-01	3.7694-04	5.4229-04	8.6272-03	8.1196+03	9.5035-05	4.1620+00
43	470.51	6.7013-01	1.1228-01	3.8187-04	1.1228-01	3.8187-04	5.4937-04	8.7399-03	8.2257+03	9.6248-05	5.3230+00
47	442.27	6.3844+00	1.0214+00	3.3955-03	1.0214+00	3.3955-03	4.8849-03	7.7714-02	7.3141+04	8.5488-04	7.1100-01
48	436.19	7.3553+00	1.1931+00	3.9473-03	1.1931+00	3.9473-03	5.6788-03	9.0343-02	8.5028+04	9.9357-04	1.0880+00
49	432.66	1.0644+01	1.7326+00	5.7159-03	1.7326+00	5.7159-03	8.2231-03	1.3082-01	1.2312+05	1.4385-03	1.3070+00
50	437.30	1.6831+01	2.7650+00	9.1557-03	2.7650+00	9.1557-03	1.3172-02	2.0955-01	1.9722+05	2.3047-03	1.6410+00
51	441.58	1.3166+01	2.1885+00	7.2714-03	2.1885+00	7.2714-03	1.0461-02	1.6642-01	1.5663+05	1.8306-03	1.7720+00
52	451.61	1.1906+00	1.9928-01	6.6748-04	1.9928-01	6.6748-04	9.6027-04	1.5277-02	1.4378+04	1.6811-04	2.4660+00
53	454.93	8.3896-01	1.3704-01	4.6022-04	1.3704-01	4.6022-04	6.6209-04	1.0533-02	9.9134+03	1.1593-04	3.0090+00
54	466.43	7.3402-01	1.1938-01	4.0468-04	1.1938-01	4.0468-04	5.8219-04	9.2621-03	8.7171+03	1.0198-04	3.3930+00
55	473.68	8.9922-01	1.4428-01	4.9198-04	1.4428-01	4.9198-04	7.0778-04	1.1260-02	1.0598+04	1.2402-04	3.7770+00
56	442.36	1.1870+00	1.8125-01	6.0261-04	1.8125-01	6.0261-04	8.6694-04	1.3792-02	1.2981+04	1.5172-04	4.1100-01
57	443.46	1.2704+01	2.0217+00	6.7274-03	2.0217+00	6.7274-03	9.6783-03	1.5397-01	1.4491+05	1.6938-03	7.1100-01
58	435.75	1.1785+01	1.9112+00	6.3206-03	1.9112+00	6.3206-03	9.0931-03	1.4466-01	1.3615+05	1.5909-03	1.0880+00
59	432.56	1.2175+01	1.9757+00	6.5177-03	1.9757+00	6.5177-03	9.3766-03	1.4917-01	1.4039+05	1.6403-03	1.3070+00
60	436.33	1.3641+01	2.2261+00	7.3656-03	2.2261+00	7.3656-03	1.0597-02	1.6858-01	1.5866+05	1.8540-03	1.6410+00
61	461.23	8.2130-01	1.3432-01	4.5341-04	1.3432-01	4.5341-04	6.5229-04	1.0377-02	9.7667+03	1.1424-04	3.0090+00
62	469.33	5.6312-01	9.1762-02	3.1179-04	9.1762-02	3.1179-04	4.4856-04	7.1361-03	6.7162+03	7.8582-05	3.3930+00
63	475.21	4.9454-01	7.9428-02	2.7119-04	7.9428-02	2.7119-04	3.9015-04	6.2068-03	5.8416+03	6.8365-05	3.7770+00
64	432.81	1.1782+01	1.9465+00	6.4225-03	1.9465+00	6.4225-03	9.2397-03	1.4699-01	1.3835+05	1.6164-03	1.0880+00
65	429.96	1.8535+01	3.0560+00	1.0061-02	3.0560+00	1.0061-02	1.4474-02	2.3026-01	2.1671+05	2.5317-03	1.3070+00
66	430.89	1.1204+01	1.8485+00	6.0898-03	1.8485+00	6.0898-03	8.7611-03	1.3938-01	1.3118+05	1.5326-03	1.6410+00
69	445.60	2.1849+00	3.6420-01	1.2140-03	3.6420-01	1.2140-03	1.7465-03	2.7785-02	2.6150+04	3.0568-04	4.1100-01
70	442.93	8.5142-01	1.4166-01	4.7118-04	1.4166-01	4.7118-04	6.7787-04	1.0784-02	1.0150+04	1.1863-04	7.1100-01
71	431.01	2.1397+00	3.5203-01	1.1599-03	3.5203-01	1.1599-03	1.6687-03	2.6547-02	2.4985+04	2.9189-04	1.3070+00
72	435.26	2.4592+00	4.0699-01	1.3455-03	4.0699-01	1.3455-03	1.9356-03	3.0794-02	2.8982+04	3.3865-04	1.6410+00
73	463.24	1.4322+00	2.3243-01	7.8586-04	2.3243-01	7.8586-04	1.1306-03	1.7986-02	1.6928+04	1.9802-04	3.7770+00
74	447.56	1.0473+00	1.7071-01	5.6992-04	1.7071-01	5.6992-04	8.1992-04	1.3044-02	1.2277+04	1.4352-04	5.3230+00
77	434.21	9.6052-01	1.5745-01	5.2009-04	1.5745-01	5.2009-04	7.4822-04	1.1903-02	1.1203+04	1.3090-04	3.0090+00
78	442.94	1.0821+00	1.7635-01	5.8658-04	1.7635-01	5.8658-04	8.4388-04	1.3425-02	1.2635+04	1.4769-04	3.3930+00
79	452.73	1.2208+00	1.9671-01	6.5946-04	1.9671-01	6.5946-04	9.4873-04	1.5093-02	1.4205+04	1.6610-04	3.7770+00
80	426.98	1.8639+00	3.0757-01	1.0102-03	3.0757-01	1.0102-03	1.4533-03	2.3120-02	2.1760+04	2.5418-04	2.4660+00
81	433.45	1.1392+00	1.8665-01	6.1615-04	1.8665-01	6.1615-04	8.8642-04	1.4102-02	1.3272+04	1.5507-04	3.0090+00
82	441.14	1.2306+00	2.0091-01	6.6732-04	2.0091-01	6.6732-04	9.6003-04	1.5273-02	1.4374+04	1.6800-04	3.3930+00
83	450.22	1.5470+00	2.5188-01	8.4270-04	2.5188-01	8.4270-04	1.2124-03	1.9287-02	1.8152+04	2.1223-04	3.7770+00
337	467.08	1.0771+01	1.9976+00	6.7750-03	1.9976+00	6.7750-03	9.7468-03	1.5506-01	1.4594+05	1.7074-03	7.1680+00
339	481.91	4.8597+00	9.2961-01	3.1915-03	9.2961-01	3.1915-03	4.5914-03	7.3045-02	6.8747+04	8.0476-04	8.1130+00
340	480.66	1.5262+00	2.8562-01	9.7956-04	2.8562-01	9.7956-04	1.4092-03	2.2420-02	2.1100+04	2.4699-04	8.6180+00
342	471.95	8.2873+00	1.5913+00	5.4186-03	1.5913+00	5.4186-03	7.7955-03	1.2402-01	1.1672+05	1.3658-03	7.1680+00
344	476.50	3.6644+00	7.0211-01	2.3997-03	7.0211-01	2.3997-03	3.4524-03	5.4924-02	5.1692+04	6.0498-04	8.1130+00
347	483.00	5.6234+00	1.0540+00	3.6217-03	1.0540+00	3.6217-03	5.2104-03	8.2891-02	7.8014+04	9.1328-04	7.1680+00
349	474.69	3.5018+00	6.6841-01	2.2811-03	6.6841-01	2.2811-03	3.2818-03	5.2209-02	4.9137+04	5.7505-04	8.1130+00
350	466.09	8.8675-01	1.5514-01	5.2576-04	1.5514-01	5.2576-04	7.5638-04	1.2033-02	1.1325+04	1.3249-04	8.6180+00
352	477.08	1.7054+00	3.1076-01	1.0627-03	3.1076-01	1.0627-03	1.5288-03	2.4321-02	2.2890+04	2.6791-04	7.1680+00
354	491.78	3.2353+00	6.2288-01	2.1560-03	6.2288-01	2.1560-03	3.1018-03	4.9346-02	4.6442+04	5.4387-04	8.1130+00
357	479.15	3.4795+00	6.3315-01	2.1688-03	6.3315-01	2.1688-03	3.1201-03	4.9637-02	4.6717+04	5.4681-04	7.1680+00
359	501.42	2.5345+00	4.5895-01	1.6015-03	4.5895-01	1.6015-03	2.3040-03	3.6654-02	3.4497+04	4.0414-04	8.1130+00
401	450.84	1.1149+01	9.2165-01	3.0851-03	9.2165-01	3.0851-03	4.4383-03	7.0609-02	6.6454+04	7.7698-04	4.5500-01
403	448.41	3.7787+00	3.0816-01	1.0295-03	3.0816-01	1.0295-03	1.4811-03	2.3562-02	2.2176+04	2.5925-04	6.8600-01
404	449.99	5.4151+00	4.4473-01	1.4876-03	4.4473-01	1.4876-03	2.1402-03	3.4048-02	3.2045+04	3.7465-04	8.0100-01
405	450.54	1.0302+01	8.4135-01	2.8156-03	8.4135-01	2.8156-03	4.0507-03	6.4442-02	6.0650+04	7.0910-04	1.0510+00
406	451.25	2.1227+01	1.7448+00	5.8425-03	1.7448+00	5.8425-03	8.4053-03	1.3372-01	1.2585+05	1.4715-03	1.1670+00
407	452.58	2.7148+01	2.2735+00	7.6207-03	2.2735+00	7.6207-03	1.0964-02	1.7442-01	1.6416+05	1.9194-03	1.2830+00
408	451.58	7.5735+00	6.1156-01	2.0483-03	6.1156-01	2.0483-03	2.9468-03	4.6880-02	4.4122+04	5.1588-04	5.1300-01
409	443.31	3.3616+00	2.7481-01	9.1435-04	2.7481-01	9.1435-04	1.3154-03	2.0927-02	1.9696+04	2.3021-04	5.7000-01
410	449.09	5.9787+00	4.7319-01	1.5817-03	4.7319-01	1.5817-03	2.2755-03	3.6201-02	3.4071+04	3.9833-04	6.2800-01
411	444.22	3.1081+00	2.5425-01	8.4654-04	2.5425-01	8.4654-04	1.2179-03	1.9375-02	1.8235+04	2.1315-04	6.8600-01
412	462.15	6.3579+00	5.2337-01	1.7680-03	5.2337-01	1.7680-03	2.5435-03	4.0464-02	3.8083+04	4.4546-04	7.4400-01
413	443.43	3.3569+00	2.7609-01	9.1868-04	2.7609-01	9.1868-04	1.3217-03	2.1026-02	1.9789+04	2.3130-04	8.0100-01
414	449.87	9.3382+00	7.6230-01	2.5497-03	7.6230-01	2.5497-03	3.6681-03	5.8356-02	5.4922+04	6.4212-04	8.5900-01
415	443.12	3.7221+00	3.0425-01	1.0121-03	3.0425-01	1.0121-03	1.4561-03	2.3165-02	2.1802+04	2.5483-04	9.1700-01
416	453.33	6.1860+00	4.7283-01	1.5859-03	4.7283-01	1.5859-03	2.2815-03	3.6297-02	3.4161+04	3.9945-04	5.7000-01
417	452.46	1.6822+01	1.3757+00	4.6108-03	1.3757+00	4.6108-03	6.6333-03	1.0553-01	9.9319+04	1.1613-03	1.0520+00

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8.00620+01 4.68287-03 3.30364-01 4.40150+03 4.90735-06 6.48503-08 2.79428-02 7.72000+00 6.65589-06 7.52181-02

1	461.12	1.2198+01	2.0550+00	6.9348-03	2.0550+00	6.9348-03	9.9789-03	1.5872-01	1.4932+05	1.7468-03	4.1100-01
2	468.80	1.3741+01	2.3268+00	7.9013-03	2.3268+00	7.9013-03	1.1370-02	1.8084-01	1.7013+05	1.9908-03	7.1100-01
3	451.99	1.1909+01	1.9938+00	6.6790-03	1.9938+00	6.6790-03	9.6108-03	1.5286-01	1.4381+05	1.6817-03	1.3070+00
4	451.15	3.1243+01	5.2277+00	1.7500-02	5.2277+00	1.7500-02	2.5182-02	4.0054-01	3.7682+05	4.4063-03	1.6410+00
5	440.24	2.2529+01	3.9165+00	1.2997-02	3.9165+00	1.2997-02	1.8702-02	2.9746-01	2.7985+05	3.2710-03	1.7720+00
6	426.13	1.9631+00	3.1809-01	1.0439-03	3.1809-01	1.0439-03	1.5021-03	2.3891-02	2.2477+04	2.6258-04	2.4660+00
7	434.12	1.2036+00	1.9555-01	6.4577-04	1.9555-01	6.4577-04	9.2924-04	1.4780-02	1.3905+04	1.6249-04	3.0090+00
8	441.57	1.4026+00	2.2701-01	7.5414-04	2.2701-01	7.5414-04	1.0852-03	1.7260-02	1.6238+04	1.8981-04	3.3930+00
9	450.06	1.5964+00	2.5989-01	8.6923-04	2.5989-01	8.6923-04	1.2508-03	1.9895-02	1.8717+04	2.1885-04	3.7770+00
10	473.60	2.0535+00	3.4068-01	1.1614-03	3.4068-01	1.1614-03	1.6713-03	2.6582-02	2.5009+04	2.9269-04	5.3230+00
14	451.50	1.1669+01	1.9529+00	6.5394-03	1.9529+00	6.5394-03	9.4099-03	1.4967-01	1.4081+05	1.6466-03	1.6880+00
15	459.30	2.8849+01	4.8623+00	1.6384-02	4.8623+00	1.6384-02	2.3577-02	3.7500-01	3.5280+05	4.1267-03	1.3070+00
16	447.81	2.1983+01	3.6699+00	1.2253-02	3.6699+00	1.2253-02	1.7631-02	2.8043-01	2.6383+05	3.0846-03	1.6410+00
19	453.26	5.9231+00	9.0254-01	3.0265-03	9.0254-01	3.0265-03	4.3550-03	6.9268-02	6.5167+04	7.6209-04	4.1100-01
20	449.32	2.4353+00	3.8794-01	1.2967-03	3.8794-01	1.2967-03	1.8660-03	2.9679-02	2.7922+04	3.2648-04	7.1100-01
21	444.25	6.5387+00	1.0539+00	3.5085-03	1.0539+00	3.5085-03	5.0486-03	8.0301-02	7.5547+04	8.8316-04	1.6880+00
22	442.14	1.3172+01	2.1327+00	7.0882-03	2.1327+00	7.0882-03	1.0200-02	1.6223-01	1.5262+05	1.7841-03	1.3070+00
23	442.79	2.2344+01	3.5651+00	1.1855-02	3.5651+00	1.1855-02	1.7059-02	2.7133-01	2.5527+05	2.9840-03	1.6410+00
24	443.92	1.0971+00	1.7786-01	5.9197-04	1.7786-01	5.9197-04	8.5182-04	1.3549-02	1.2747+04	1.4901-04	3.0090+00
25	451.41	7.9117-01	1.2582-01	4.2129-04	1.2582-01	4.2129-04	6.0622-04	9.6423-03	9.0714+03	1.0608-04	3.3930+00
26	459.97	6.9558-01	1.1195-01	3.7745-04	1.1195-01	3.7745-04	5.4314-04	8.6389-03	8.1275+03	9.5070-05	3.7770+00
27	448.59	2.2249+00	3.5424-01	1.1834-03	3.5424-01	1.1834-03	1.7029-03	2.7086-02	2.5482+04	2.9794-04	7.1100-01
28	439.73	4.5636+00	7.3325-01	2.4323-03	7.3325-01	2.4323-03	3.5000-03	5.5669-02	5.2373+04	6.1215-04	1.6880+00
29	438.39	1.0302+01	1.6787+00	5.5624-03	1.6787+00	5.5624-03	8.0041-03	1.2731-01	1.1977+05	1.3999-03	1.3070+00
30	438.97	1.9989+01	3.2681+00	1.0834-02	3.2681+00	1.0834-02	1.5590-02	2.4797-01	2.3329+05	2.7266-03	1.6410+00
31	438.03	1.5687+01	2.5680+00	8.5071-03	2.5680+00	8.5071-03	1.2241-02	1.9470-01	1.8318+05	2.1409-03	1.7720+00
32	440.81	2.1766+00	3.5633-01	1.1830-03	3.5633-01	1.1830-03	1.7023-03	2.7076-02	2.5473+04	2.9775-04	2.4660+00
33	447.51	1.7044+00	2.8115-01	9.3843-04	2.8115-01	9.3843-04	1.3504-03	2.1478-02	2.0207+04	2.3625-04	3.0090+00
34	455.32	1.0519+00	1.7187-01	5.7729-04	1.7187-01	5.7729-04	8.3070-04	1.3213-02	1.2430+04	1.4538-04	3.3930+00
35	464.52	7.0494-01	1.1102-01	3.7570-04	1.1102-01	3.7570-04	5.4061-04	8.5988-03	8.0897+03	9.4645-05	3.7770+00
36	437.72	7.8265+00	1.2595+00	4.1714-03	1.2595+00	4.1714-03	6.0025-03	9.5473-02	8.9821+04	1.0498-03	1.3070+00
37	445.51	1.3403+00	2.2274-01	7.4228-04	2.2274-01	7.4228-04	1.0681-03	1.6989-02	1.5983+04	1.8685-04	2.4660+00
38	451.97	9.3506-01	1.5243-01	5.1060-04	1.5243-01	5.1060-04	7.3474-04	1.1686-02	1.0995+04	1.2857-04	3.0090+00
39	460.71	1.2790+00	2.0847-01	7.0328-04	2.0847-01	7.0328-04	1.0120-03	1.6096-02	1.5143+04	1.7714-04	3.3930+00
40	469.73	9.0753-01	1.4748-01	5.0118-04	1.4748-01	5.0118-04	7.2118-04	1.1471-02	1.0792+04	1.2628-04	3.7770+00
41	478.17	7.0026-01	1.1199-01	3.8324-04	1.1199-01	3.8324-04	5.5146-04	8.7713-03	8.2520+03	9.6595-05	4.1620+00
43	470.67	7.5585-01	1.2665-01	4.3075-04	1.2665-01	4.3075-04	6.1982-04	9.8586-03	9.2750+03	1.0854-04	5.3230+00
47	443.39	5.0888+00	8.1475-01	2.7106-03	8.1475-01	2.7106-03	3.9004-03	6.2038-02	5.8365+04	6.8228-04	7.1100-01
48	437.59	6.2099+00	1.0083+00	3.3390-03	1.0083+00	3.3390-03	4.8047-03	7.6421-02	7.1897+04	8.4028-04	1.0880+00
49	434.40	7.7761+00	1.2673+00	4.1862-03	1.2673+00	4.1862-03	6.0238-03	9.5811-02	9.0139+04	1.0533-03	1.3070+00
50	441.30	1.6240+01	2.6753+00	8.8854-03	2.6753+00	8.8854-03	1.2786-02	2.0336-01	1.9132+05	2.2364-03	1.6410+00
51	444.81	1.2924+01	2.1530+00	7.1710-03	2.1530+00	7.1710-03	1.0319-02	1.6413-01	1.5441+05	1.8051-03	1.7720+00
52	451.85	1.0800+00	1.8080-01	6.0557-04	1.8080-01	6.0557-04	8.7139-04	1.3860-02	1.3039+04	1.5248-04	2.4660+00
53	455.13	8.0831-01	1.3205-01	4.4347-04	1.3205-01	4.4347-04	6.3813-04	1.0150-02	9.5489+03	1.1168-04	3.0090+00
54	466.57	6.8156-01	1.1086-01	3.7577-04	1.1086-01	3.7577-04	5.4071-04	8.6004-03	8.0912+03	9.4670-05	3.3930+00
55	473.88	9.0026-01	1.4446-01	4.9261-04	1.4446-01	4.9261-04	7.0885-04	1.1275-02	1.0607+04	1.2414-04	3.7770+00
56	442.66	1.2795+00	1.9541-01	6.4974-04	1.9541-01	6.4974-04	9.3494-04	1.4871-02	1.3990+04	1.6354-04	4.1100-01
57	446.49	1.1912+01	1.8996+00	6.3354-03	1.8996+00	6.3354-03	9.1164-03	1.4500-01	1.3642+05	1.5949-03	7.1100-01
58	438.46	1.1094+01	1.8024+00	5.9727-03	1.8024+00	5.9727-03	8.5944-03	1.3670-01	1.2861+05	1.5031-03	1.0880+00
59	435.38	1.1477+01	1.8663+00	6.1694-03	1.8663+00	6.1694-03	8.8774-03	1.4120-01	1.3284+05	1.5524-03	1.3070+00
60	439.43	1.2828+01	2.0980+00	6.9578-03	2.0980+00	6.9578-03	1.0012-02	1.5925-01	1.4982+05	1.7511-03	1.6410+00
61	461.41	7.5481-01	1.2346-01	4.1674-04	1.2346-01	4.1674-04	5.9967-04	9.5382-03	8.9735+03	1.0497-04	3.0090+00
62	469.46	5.6104-01	9.1431-02	3.1065-04	9.1431-02	3.1065-04	4.4702-04	7.1101-03	6.6891+03	7.8274-05	3.3930+00
63	475.30	4.4624-01	7.1674-02	2.4469-04	7.1674-02	2.4469-04	3.5210-04	5.6004-03	5.2688+03	6.1668-05	3.7770+00
64	435.91	1.2203+01	2.0204+00	6.6817-03	2.0204+00	6.6817-03	9.6146-03	1.5293-01	1.4387+05	1.6814-03	1.0880+00
65	434.90	1.9102+01	3.1605+00	1.0444-02	3.1605+00	1.0444-02	1.5028-02	2.3903-01	2.2488+05	2.6280-03	1.3070+00
66	433.66	1.1294+01	1.8669+00	6.1632-03	1.8669+00	6.1632-03	8.8685-03	1.4106-01	1.3271+05	1.5508-03	1.6410+00
69	446.14	2.2525+00	3.7560-01	1.2523-03	3.7560-01	1.2523-03	1.8020-03	2.8662-02	2.6965+04	3.1525-04	4.1100-01
70	442.99	5.6208-01	9.3523-02	3.1104-04	9.3523-02	3.1104-04	4.4757-04	7.1189-03	6.6974+03	7.8291-05	7.1100-01
71	431.32	1.5756+00	2.5927-01	8.5434-04	2.5927-01	8.5434-04	1.2293-03	1.9553-02	1.8396+04	2.1495-04	1.3070+00
72	435.61	1.7725+00	2.9341-01	9.7009-04	2.9341-01	9.7009-04	1.3959-03	2.2203-02	2.0888+04	2.4411-04	1.6410+00
73	463.60	1.4374+00	2.3333-01	7.8900-04	2.3333-01	7.8900-04	1.1353-03	1.8058-02	1.6989+04	1.9876-04	3.7770+00
74	447.75	8.2753-01	1.3491-01	4.5040-04	1.3491-01	4.5040-04	6.4811-04	1.0309-02	9.6983+03	1.1339-04	5.3230+00
77	434.44	9.4338-01	1.5467-01	5.1090-04	1.5467-01	5.1090-04	7.3516-04	1.1693-02	1.1001+04	1.2856-04	3.0090+00
78	443.20	1.0156+00	1.6554-01	5.5066-04	1.6554-01	5.5066-04	7.9237-04	1.2603-02	1.1857+04	1.3861-04	3.3930+00
79	453.04	1.2686+00	2.0446-01	6.8548-04	2.0446-01	6.8548-04	9.8638-04	1.5689-02	1.4760+04	1.7261-04	3.7770+00
80	427.45	1.9361+00	3.1960-01	1.0499-03	3.1960-01	1.0499-03	1.5107-03	2.4029-02	2.2607+04	2.6411-04	2.4660+00
81	433.72	1.1408+00	1.8694-01	6.1715-04	1.8694-01	6.1715-04	8.8804-04	1.4125-02	1.3289+04	1.5528-04	3.0090+00
82	441.43	1.2592+00	2.0562-01	6.8300-04	2.0562-01	6.8300-04	9.8281-04	1.5632-02	1.4707+04	1.7191-04	3.3930+00
83	450.63	1.6208+00	2.6396-01	8.8328-04	2.6396-01	8.8328-04	1.2710-03	2.0216-02	1.9019+04	2.2239-04	3.7770+00
337	469.75	1.0671+01	1.9826+00	6.7378-03	1.9826+00	6.7378-03	9.6954-03	1.5421-01	1.4508+05	1.6977-03	7.1680+00
339	483.11	4.8722+00	9.3273-01	3.2048-03	9.3273-01	3.2048-03	4.6116-03	7.3351-02	6.9008+04	8.0794-04	8.1130+00
340	481.04	1.5236+00	2.8520-01	9.7828-04	2.8520-01	9.7828-04	1.4077-03	2.2390-02	2.1065+04	2.4660-04	8.6180+00
342	474.00	8.2629+00	1.5888+00	5.4182-03	1.5888+00	5.4182-03	7.7966-03	1.2401-01	1.1667+05	1.3654-03	7.1680+00
344	477.38	3.5849+00	6.8728-01	2.3504-03	6.8728-01	2.3504-03	3.3821-03	5.3794-02	5.0609+04	5.9239-04	8.1130+00
347	484.39	5.6712+00	1.0639+00	3.6594-03	1.0639+00	3.6594-03	5.2657-03	8.3755-02	7.8796+04	9.2259-04	7.1680+00
349	475.37	2.8992+00	5.5364-01	1.8902-03	5.5364-01	1.8902-03	2.7199-03	4.3262-02	4.0701+04	4.7638-04	8.1130+00
350	466.25	7.6727-01	1.3425-01	4.5495-04	1.3425-01	4.5495-04	6.5466-04	1.0413-02	9.7962+03	1.1462-04	8.6180+00
352	477.33	1.0655+00	1.9417-01	6.6401-04	1.9417-01	6.6401-04	9.5548-04	1.5197-02	1.4298+04	1.6736-04	7.1680+00
354	492.41	2.6519+00	5.1078-01	1.7686-03	5.1078-01	1.7686-03	2.5450-03	4.0480-02	3.8083+04	4.4604-04	8.1130+00
357	479.72	2.4286+00	4.4208-01	1.5148-03	4.4208-01	1.5148-03	2.1797-03	3.4669-02	3.2616+04	3.8182-04	7.1680+00
359	501.80	1.5319+00	2.7747-01	9.6837-04	2.7747-01	9.6837-04	1.3934-03	2.2164-02	2.0851+04	2.4431-04	8.1130+00
401	453.53	1.0598+01	8.7774-01	2.9440-03	8.7774-01	2.9440-03	4.2362-03	6.7380-02	6.3390+04	7.4132-04	4.5500-01
403	449.13	3.2499+00	2.6516-01	8.8622-04	2.6516-01	8.8622-04	1.2752-03	2.0283-02	1.9082+04	2.2312-04	6.8600-01
404	451.21	4.7943+00	3.9408-01	1.3193-03	3.9408-01	1.3193-03	1.8984-03	3.0195-02	2.8407+04	3.3218-04	8.0100-01
405	453.04	1.0354+01	8.4709-01	2.8400-03	8.4709-01	2.8400-03	4.0867-03	6.5001-02	6.1153+04	7.1514-04	1.0510+00
406	455.99	1.9388+01	1.5988+00	5.3731-03	1.5988+00	5.3731-03	7.7317-03	1.2298-01	1.1570+05	1.3531-03	1.1670+00
407	458.79	2.5317+01	2.1291+00	7.1716-03	2.1291+00	7.1716-03	1.0320-02	1.6414-01	1.5442+05	1.8062-03	1.2830+00
408	452.79	5.6956+00	4.6030-01	1.5429-03	4.6030-01	1.5429-03	2.2202-03	3.5314-02	3.3223+04	3.8852-04	5.1300-01
409	443.98	3.0036+00	2.4567-01	8.1768-04	2.4567-01	8.1768-04	1.1766-03	1.8715-02	1.7607+04	2.0582-04	5.7000-01
410	450.39	5.2000+00	4.1193-01	1.3781-03	4.1193-01	1.3781-03	1.9831-03	3.1542-02	2.9675+04	3.4699-04	6.2800-01
411	444.98	2.9948+00	2.4511-01	8.1649-04	2.4511-01	8.1649-04	1.1749-03	1.8687-02	1.7581+04	2.0553-04	6.8600-01
412	463.69	6.1569+00	5.0735-01	1.7157-03	5.0735-01	1.7157-03	2.4688-03	3.9268-02	3.6943+04	4.3220-04	7.4400-01
413	444.20	3.4203+00	2.8145-01	9.3696-04	2.8145-01	9.3696-04	1.3482-03	2.1445-02	2.0175+04	2.3585-04	8.0100-01
414	452.09	8.8597+00	7.2435-01	2.4267-03	7.2435-01	2.4267-03	3.4919-03	5.5540-02	5.2252+04	6.1103-04	8.5900-01
415	443.94	3.3735+00	2.7591-01	9.1832-04	2.7591-01	9.1832-04	1.3214-03	2.1018-02	1.9774+04	2.3116-04	9.1700-01
416	454.55	5.6218+00	4.3007-01	1.4437-03	4.3007-01	1.4437-03	2.0774-03	3.3042-02	3.1085+04	3.6354-04	5.7000-01
417	456.49	1.6003+01	1.3123+00	4.4120-03	1.3123+00	4.4120-03	6.3487-03	1.0098-01	9.5001+04	1.1111-03	1.0520+00

12 1 1.90 -10.10 .00 -.00 402 1 2.45 10.04 211.0 1637.0

8.00350+01 4.68307-03 3.30378-01 4.40076+03 4.90922-06 6.48284-08 2.79581-02 7.72000+00 6.65333-06 7.52218-02

1	464.25	1.2522+01	2.1139+00	7.1529-03	2.1139+00	7.1529-03	1.0291-02	1.6371-01	1.5408+05	1.8024-03	4.1100-01
2	472.14	1.3722+01	2.3288+00	7.9310-03	2.3288+00	7.9310-03	1.1410-02	1.8152-01	1.7084+05	1.9991-03	7.1100-01
3	454.99	1.2237+01	2.0529+00	6.8947-03	2.0529+00	6.8947-03	9.9191-03	1.5780-01	1.4852+05	1.7367-03	1.3070+00
4	458.95	3.1235+01	5.2541+00	1.7703-02	5.2541+00	1.7703-02	2.5468-02	4.0517-01	3.8133+05	4.4599-03	1.6410+00
5	445.87	2.2104+01	3.8576+00	1.2861-02	3.8576+00	1.2861-02	1.8503-02	2.9436-01	2.7704+05	3.2385-03	1.7720+00
6	426.65	1.9314+00	3.1307-01	1.0280-03	3.1307-01	1.0280-03	1.4789-03	2.3527-02	2.2143+04	2.5865-04	2.4660+00
7	434.44	1.2452+00	2.0234-01	6.6849-04	2.0234-01	6.6849-04	9.6172-04	1.5300-02	1.4400+04	1.6825-04	3.0090+00
8	441.92	1.3335+00	2.1588-01	7.1747-04	2.1588-01	7.1747-04	1.0322-03	1.6421-02	1.5455+04	1.8063-04	3.3930+00
9	450.45	1.6260+00	2.6478-01	8.8602-04	2.6478-01	8.8602-04	1.2747-03	2.0279-02	1.9085+04	2.2314-04	3.7770+00
10	474.13	2.0286+00	3.3666-01	1.1484-03	3.3666-01	1.1484-03	1.6522-03	2.6285-02	2.4738+04	2.8950-04	5.3230+00
14	454.40	1.1793+01	1.9776+00	6.6386-03	1.9776+00	6.6386-03	9.5507-03	1.5194-01	1.4300+05	1.6722-03	1.0880+00
15	466.32	2.8072+01	4.7455+00	1.6085-02	4.7455+00	1.6085-02	2.3141-02	3.6815-01	3.4648+05	4.0535-03	1.3070+00
16	453.29	2.1996+01	3.6858+00	1.2362-02	3.6858+00	1.2362-02	1.7784-02	2.8293-01	2.6628+05	3.1137-03	1.6410+00
19	454.83	6.3413+00	9.6729-01	3.2483-03	9.6729-01	3.2483-03	4.6731-03	7.4344-02	6.9970+04	8.1820-04	4.1100-01
20	449.90	2.4405+00	3.8892-01	1.3009-03	3.8892-01	1.3009-03	1.8715-03	2.9773-02	2.8021+04	3.2761-04	7.1100-01
21	445.82	6.3579+00	1.0259+00	3.4201-03	1.0259+00	3.4201-03	4.9203-03	7.8276-02	7.3670+04	8.6118-04	1.0880+00
22	445.46	1.3173+01	2.1378+00	7.1249-03	2.1378+00	7.1249-03	1.0250-02	1.6307-01	1.5348+05	1.7941-03	1.3070+00
23	448.35	2.2042+01	3.5303+00	1.1793-02	3.5303+00	1.1793-02	1.6967-02	2.6992-01	2.5404+05	2.9699-03	1.6410+00
24	444.21	1.0945+00	1.7747-01	5.9092-04	1.7747-01	5.9092-04	8.5012-04	1.3525-02	1.2729+04	1.4878-04	3.0090+00
25	451.60	7.6572-01	1.2179-01	4.0792-04	1.2179-01	4.0792-04	5.8686-04	9.3363-03	8.7869+03	1.0274-04	3.3930+00
26	460.14	7.1429-01	1.1498-01	3.8776-04	1.1498-01	3.8776-04	5.5785-04	8.8749-03	8.3527+03	9.7694-05	3.7770+00
27	449.08	2.0509+00	3.2665-01	1.0918-03	3.2665-01	1.0918-03	1.5708-03	2.4990-02	2.3519+04	2.7496-04	7.1100-01
28	440.86	4.5236+00	7.2739-01	2.4154-03	7.2739-01	2.4154-03	3.4749-03	5.5283-02	5.2030+04	6.0809-04	1.0880+00
29	440.93	1.0217+01	1.6677+00	5.5382-03	1.6677+00	5.5382-03	7.9676-03	1.2676-01	1.1930+05	1.3943-03	1.3070+00
30	444.03	1.9860+01	3.2584+00	1.0848-02	3.2584+00	1.0848-02	1.5606-02	2.4828-01	2.3367+05	2.7313-03	1.6410+00
31	441.90	1.5351+01	2.5522+00	8.4821-03	2.5522+00	8.4821-03	1.2203-02	1.9413-01	1.8271+05	2.1355-03	1.7720+00
32	441.37	2.2764+00	3.7280-01	1.2385-03	3.7280-01	1.2385-03	1.7817-03	2.8345-02	2.6677+04	3.1179-04	2.4660+00
33	447.95	1.7055+00	2.8141-01	9.3977-04	2.8141-01	9.3977-04	1.3520-03	2.1509-02	2.0243+04	2.3666-04	3.0090+00
34	455.58	1.0909+00	1.7827-01	5.9900-04	1.7827-01	5.9900-04	8.6176-04	1.3710-02	1.2903+04	1.5089-04	3.3930+00
35	464.69	7.4494-01	1.1734-01	3.9718-04	1.1734-01	3.9718-04	5.7140-04	9.0904-03	8.5556+03	1.0008-04	3.7770+00
36	439.65	7.7486+00	1.2487+00	4.1425-03	1.2487+00	4.1425-03	5.9595-03	9.4810-02	8.9231+04	1.0428-03	1.3070+00
37	445.86	1.3901+00	2.3108-01	7.7042-04	2.3108-01	7.7042-04	1.1084-03	1.7633-02	1.6595+04	1.9399-04	2.4660+00
38	452.16	1.0338+00	1.6854-01	5.6476-04	1.6854-01	5.6476-04	8.1249-04	1.2926-02	1.2165+04	1.4224-04	3.0090+00
39	461.12	1.3678+00	2.2301-01	7.5270-04	2.2301-01	7.5270-04	1.0829-03	1.7227-02	1.6214+04	1.8965-04	3.3930+00
40	469.89	8.1715-01	1.3280-01	4.5145-04	1.3280-01	4.5145-04	6.4948-04	1.0332-02	9.7245+03	1.1378-04	3.7770+00
41	478.32	6.0468-01	9.6714-02	3.3106-04	9.6714-02	3.3106-04	4.7627-04	7.5770-03	7.1312+03	8.3467-05	4.1620+00
43	470.87	7.2987-01	1.2231-01	4.1613-04	1.2231-01	4.1613-04	5.9867-04	9.5242-03	8.9638+03	1.0489-04	5.3230+00
47	444.66	5.0493+00	8.0914-01	2.6951-03	8.0914-01	2.6951-03	3.8773-03	6.1683-02	5.8054+04	6.7860-04	7.1100-01
48	439.15	6.1600+00	1.0013+00	3.3204-03	1.0013+00	3.3204-03	4.7769-03	7.5996-02	7.1524+04	8.3588-04	1.0880+00
49	436.31	7.8229+00	1.2767+00	4.2240-03	1.2767+00	4.2240-03	6.0769-03	9.6677-02	9.0988+04	1.0632-03	1.3070+00
50	445.36	1.5965+01	2.6373+00	8.7893-03	2.6373+00	8.7893-03	1.2645-02	2.0116-01	1.8933+05	2.2131-03	1.6410+00
51	448.04	1.2571+01	2.0990+00	7.0102-03	2.0990+00	7.0102-03	1.0085-02	1.6045-01	1.5101+05	1.7653-03	1.7720+00
52	452.10	1.1600+00	1.9422-01	6.5079-04	1.9422-01	6.5079-04	9.3625-04	1.4895-02	1.4018+04	1.6391-04	2.4660+00
53	455.33	8.3585-01	1.3657-01	4.5879-04	1.3657-01	4.5879-04	6.6003-04	1.0500-02	9.8825+03	1.1557-04	3.0090+00
54	466.74	7.5014-01	1.2203-01	4.1375-04	1.2203-01	4.1375-04	5.9524-04	9.4697-03	8.9125+03	1.0427-04	3.3930+00
55	474.11	9.5065-01	1.5257-01	5.2045-04	1.5257-01	5.2045-04	7.4875-04	1.1912-02	1.1211+04	1.3120-04	3.7770+00
56	443.07	1.4878+00	2.2729-01	7.5610-04	2.2729-01	7.5610-04	1.0878-03	1.7305-02	1.6287+04	1.9037-04	4.1100-01
57	449.43	1.1459+01	1.8311+00	6.1224-03	1.8311+00	6.1224-03	8.8080-03	1.4013-01	1.3188+05	1.5419-03	7.1100-01
58	441.25	1.1127+01	1.8113+00	6.0165-03	1.8113+00	6.0165-03	8.6557-03	1.3770-01	1.2960+05	1.5147-03	1.0880+00
59	438.22	1.1275+01	1.8370+00	6.0872-03	1.8370+00	6.0872-03	8.7573-03	1.3932-01	1.3112+05	1.5323-03	1.3070+00
60	442.66	1.2788+01	2.0961+00	6.9704-03	2.0961+00	6.9704-03	1.0028-02	1.5953-01	1.5015+05	1.7550-03	1.6410+00
61	461.59	7.3715-01	1.2059-01	4.0716-04	1.2059-01	4.0716-04	5.8577-04	9.3189-03	8.7706+03	1.0259-04	3.0090+00
62	469.60	4.8260-01	7.8655-02	2.6732-04	7.8655-02	2.6732-04	3.8458-04	6.1182-03	5.7582+03	6.7374-05	3.3930+00
63	475.43	4.7481-01	7.6269-02	2.6045-04	7.6269-02	2.6045-04	3.7470-04	5.9610-03	5.6103+03	6.5658-05	3.7770+00
64	438.96	1.2154+01	2.0167+00	6.6866-03	2.0167+00	6.6866-03	9.6197-03	1.5304-01	1.4403+05	1.6833-03	1.0880+00
65	439.64	1.8577+01	3.0837+00	1.0230-02	3.0837+00	1.0230-02	1.4718-02	2.3414-01	2.2036+05	2.5753-03	1.3070+00
66	436.52	1.1423+01	1.8922+00	6.2617-03	1.8922+00	6.2617-03	9.0083-03	1.4331-01	1.3488+05	1.5761-03	1.6410+00
69	446.72	2.4260+00	4.0469-01	1.3502-03	4.0469-01	1.3502-03	1.9424-03	3.0902-02	2.9083+04	3.3999-04	4.1100-01
70	443.14	5.4442-01	9.0593-02	3.0138-04	9.0593-02	3.0138-04	4.3358-04	6.8978-03	6.4919+03	7.5880-05	7.1100-01
71	431.73	1.5823+00	2.6046-01	8.5865-04	2.6046-01	8.5865-04	1.2353-03	1.9652-02	1.8496+04	2.1609-04	1.3070+00
72	436.03	1.7257+00	2.8575-01	9.4525-04	2.8575-01	9.4525-04	1.3599-03	2.1634-02	2.0361+04	2.3793-04	1.6410+00
73	463.95	1.4083+00	2.2866-01	7.7356-04	2.2866-01	7.7356-04	1.1129-03	1.7705-02	1.6663+04	1.9492-04	3.7770+00
74	447.95	7.5792-01	1.2358-01	4.1270-04	1.2358-01	4.1270-04	5.9374-04	9.4457-03	8.8899+03	1.0393-04	5.3230+00
77	434.70	9.9221-01	1.6270-01	5.3764-04	1.6270-01	5.3764-04	7.7347-04	1.2305-02	1.1581+04	1.3532-04	3.0090+00
78	443.44	1.0333+00	1.6845-01	5.6053-04	1.6845-01	5.6053-04	8.0641-04	1.2829-02	1.2074+04	1.4113-04	3.3930+00
79	453.34	1.2255+00	1.9755-01	6.6259-04	1.9755-01	6.6259-04	9.5323-04	1.5165-02	1.4273+04	1.6689-04	3.7770+00
80	427.95	2.0000+00	3.3026-01	1.0855-03	3.3026-01	1.0855-03	1.5617-03	2.4845-02	2.3383+04	2.7315-04	2.4660+00
81	434.02	1.1922+00	1.9540-01	6.4536-04	1.9540-01	6.4536-04	9.2844-04	1.4771-02	1.3901+04	1.6243-04	3.0090+00
82	441.75	1.2831+00	2.0957-01	6.9640-04	2.0957-01	6.9640-04	1.0019-03	1.5939-02	1.5001+04	1.7533-04	3.3930+00
83	451.03	1.6301+00	2.6556-01	8.8905-04	2.6556-01	8.8905-04	1.2790-03	2.0348-02	1.9151+04	2.2391-04	3.7770+00
337	472.42	1.0576+01	1.9683+00	6.7050-03	1.9683+00	6.7050-03	9.6462-03	1.5346-01	1.4443+05	1.6901-03	7.1680+00
339	484.34	4.8732+00	9.3368-01	3.2119-03	9.3368-01	3.2119-03	4.6209-03	7.3513-02	6.9187+04	8.1000-04	8.1130+00
340	481.40	1.5403+00	2.8838-01	9.8965-04	2.8838-01	9.8965-04	1.4238-03	2.2651-02	2.1318+04	2.4954-04	8.6180+00
342	476.06	8.1969+00	1.5782+00	5.3923-03	1.5782+00	5.3923-03	7.7577-03	1.2342-01	1.1615+05	1.3594-03	7.1680+00
344	478.27	3.4925+00	6.6995-01	2.2931-03	6.6995-01	2.2931-03	3.2990-03	5.2484-02	4.9396+04	5.7815-04	8.1130+00
347	485.82	5.6842+00	1.0673+00	3.6762-03	1.0673+00	3.6762-03	5.2868-03	8.4139-02	7.9188+04	9.2713-04	7.1680+00
349	476.09	2.8852+00	5.5122-01	1.8834-03	5.5122-01	1.8834-03	2.7095-03	4.3106-02	4.0569+04	4.7480-04	8.1130+00
350	466.46	7.5844-01	1.3273-01	4.4993-04	1.3273-01	4.4993-04	6.4729-04	1.0298-02	9.6918+03	1.1338-04	8.6180+00
352	477.57	9.9429-01	1.8123-01	6.1998-04	1.8123-01	6.1998-04	8.9194-04	1.4190-02	1.3355+04	1.5631-04	7.1680+00
354	493.05	2.5881+00	4.9865-01	1.7280-03	4.9868-01	1.7280-03	2.4859-03	3.9548-02	3.7221+04	4.3591-04	8.1130+00
357	480.31	2.3787+00	4.3318-01	1.4852-03	4.3318-01	1.4852-03	2.1367-03	3.3993-02	3.1992+04	3.7448-04	7.1680+00
359	502.11	1.3574+00	2.4591-01	8.5858-04	2.4591-01	8.5858-04	1.2352-03	1.9651-02	1.8494+04	2.1667-04	8.1130+00
401	456.07	1.0088+01	8.3689-01	2.8132-03	8.3689-01	2.8132-03	4.0472-03	6.4386-02	6.0597+04	7.0864-04	4.5500-01
403	449.93	3.2784+00	2.6764-01	8.9522-04	2.6764-01	8.9522-04	1.2879-03	2.0489-02	1.9284+04	2.2545-04	6.8600-01
404	452.35	4.7455+00	3.9037-01	1.3083-03	3.9037-01	1.3083-03	1.8822-03	2.9943-02	2.8181+04	3.2951-04	8.0100-01
405	455.65	1.0625+01	8.7078-01	2.9261-03	8.7078-01	2.9261-03	4.2096-03	6.6970-02	6.3030+04	7.3708-04	1.0510+00
406	460.81	1.8875+01	1.5617+00	5.2696-03	1.5617+00	5.2696-03	7.5811-03	1.2061-01	1.1351+05	1.3277-03	1.1670+00
407	465.15	2.4804+01	2.0949+00	7.0940-03	2.0949+00	7.0940-03	1.0206-02	1.6236-01	1.5281+05	1.7876-03	1.2830+00
408	454.23	5.7943+00	4.6873-01	1.5733-03	4.6873-01	1.5733-03	2.2634-03	3.6008-02	3.3890+04	3.9629-04	5.1300-01
409	444.74	3.1195+00	2.5528-01	8.5033-04	2.5528-01	8.5033-04	1.2233-03	1.9462-02	1.8317+04	2.1411-04	5.7000-01
410	451.64	4.9408+00	3.9173-01	1.3121-03	3.9173-01	1.3121-03	1.8876-03	3.0030-02	2.8263+04	3.3046-04	6.2800-01
411	445.72	2.9553+00	2.4201-01	8.0675-04	2.4201-01	8.0675-04	1.1606-03	1.8464-02	1.7378+04	2.0314-04	6.9600-01
412	465.21	6.0031+00	4.9518-01	1.6769-03	4.9518-01	1.6769-03	2.4125-03	3.8360-02	3.6122+04	4.2257-04	7.4400-01
413	444.98	3.0166+00	2.4837-01	8.2747-04	2.4837-01	8.2747-04	1.1904-03	1.8939-02	1.7824+04	2.0835-04	8.0100-01
414	454.21	8.5164+00	6.9728-01	2.3404-03	6.9728-01	2.3404-03	3.3670-03	5.3565-02	5.0413+04	5.8951-04	8.5900-01
415	444.76	3.3813+00	2.7671-01	9.2172-04	2.7671-01	9.2172-04	1.3260-03	2.1096-02	1.9854+04	2.3208-04	9.1700-01
416	455.99	5.7745+00	4.4219-01	1.4863-03	4.4219-01	1.4863-03	2.1383-03	3.4018-02	3.2016+04	3.7440-04	5.7000-01
417	460.46	1.5515+01	1.2757+00	4.3034-03	1.2757+00	4.3034-03	6.1911-03	9.8494-02	9.2698+04	1.0842-03	1.0520+00

CONFIDENTIAL

12 1 1.90 -10.10 .00 -.00 402 1 2.70 10.04 211.0 1637.2

8.00440+01 4.68300-03 3.30374-01 4.40101+03 4.90860-06 6.48357-08 2.79530-02 7.72000+00 6.65418-06 7.52206-02

1	467.42	1.2834+01	2.1712+00	7.3646-03	2.1712+00	7.3646-03	1.0596-02	1.6856-01	1.5862+05	1.8560-03	4.1100-01
2	475.62	1.4053+01	2.3904+00	8.1630-03	2.3904+00	8.1630-03	1.1745-02	1.8683-01	1.7581+05	2.0579-03	7.1100-01
3	458.16	1.2498+01	2.1012+00	7.0737-03	2.1012+00	7.0737-03	1.0177-02	1.6190-01	1.5235+05	1.7821-03	1.3070+00
4	466.78	3.1241+01	5.2829+00	1.7910-02	5.2829+00	1.7910-02	2.5768-02	4.0992-01	3.8575+05	4.5136-03	1.6410+00
5	451.33	2.1878+01	3.8325+00	1.2832-02	3.8325+00	1.2832-02	1.8462-02	2.9368-01	2.7637+05	3.2318-03	1.7720+00
6	427.11	1.9371+00	3.1410-01	1.0316-03	3.1410-01	1.0316-03	1.4842-03	2.3610-02	2.2218+04	2.5957-04	2.4660+00
7	434.75	1.2655+00	2.0568-01	6.7958-04	2.0568-01	6.7958-04	9.7774-04	1.5554-02	1.4637+04	1.7105-04	3.0090+00
8	442.25	1.3720+00	2.2215-01	7.3840-04	2.2215-01	7.3840-04	1.0624-03	1.6900-02	1.5904+04	1.8591-04	3.3930+00
9	450.87	1.6452+00	2.6748-01	8.9690-04	2.6748-01	8.9690-04	1.2904-03	2.0528-02	1.9317+04	2.2589-04	3.7770+00
10	474.62	2.0894+00	3.4686-01	1.1835-03	3.4686-01	1.1835-03	1.7028-03	2.7088-02	2.5490+04	2.9835-04	5.3230+00
14	457.41	1.2245+01	2.0577+00	6.9231-03	2.0577+00	6.9231-03	9.9606-03	1.5845-01	1.4911+05	1.7441-03	1.0880+00
15	473.28	2.7662+01	4.6980+00	1.6012-02	4.6980+00	1.6012-02	2.3038-02	3.6648-01	3.4487+05	4.0364-03	1.3070+00
16	458.74	2.1949+01	3.6915+00	1.2434-02	3.6915+00	1.2434-02	1.7889-02	2.8458-01	2.6780+05	3.1325-03	1.6410+00
19	456.45	6.3964+00	9.7677-01	3.2839-03	9.7677-01	3.2839-03	4.7247-03	7.5159-02	7.0728+04	8.2724-04	4.1100-01
20	450.54	2.5096+00	4.0010-01	1.3387-03	4.0010-01	1.3387-03	1.9261-03	3.0640-02	2.8833+04	3.3716-04	7.1100-01
21	447.42	6.3984+00	1.0335+00	3.4495-03	1.0335+00	3.4495-03	4.9629-03	7.8950-02	7.4295+04	8.6866-04	1.0880+00
22	448.73	1.2831+01	2.0870+00	6.9729-03	2.0870+00	6.9729-03	1.0032-02	1.5959-01	1.5018+05	1.7560-03	1.3070+00
23	453.80	2.1926+01	3.5249+00	1.1825-02	3.5249+00	1.1825-02	1.7013-02	2.7065-01	2.5469+05	2.9786-03	1.6410+00
24	444.47	1.0925+00	1.7717-01	5.8993-04	1.7717-01	5.8993-04	8.4876-04	1.3502-02	1.2706+04	1.4854-04	3.0090+00
25	451.81	6.7948-01	1.0869-01	3.6203-04	1.0869-01	3.6203-04	5.2088-04	8.2860-03	7.7974+03	9.1184-05	3.3930+00
26	460.33	6.9507-01	1.1190-01	3.7737-04	1.1190-01	3.7737-04	5.4294-04	8.6370-03	8.1278+03	9.5078-05	3.7770+00
27	449.57	1.9512+00	3.1087-01	1.0393-03	3.1087-01	1.0393-03	1.4954-03	2.3788-02	2.2385+04	2.6175-04	7.1100-01
28	441.99	4.4977+00	7.2378-01	2.4052-03	7.2378-01	2.4052-03	3.4605-03	5.5049-02	5.1804+04	6.0556-04	1.0880+00
29	443.48	1.0177+01	1.6642+00	5.5369-03	1.6642+00	5.5369-03	7.9663-03	1.2673-01	1.1925+05	1.3941-03	1.3070+00
30	448.96	1.9527+01	3.2147+00	1.0743-02	3.2147+00	1.0743-02	1.5456-02	2.4587-01	2.3137+05	2.7054-03	1.6410+00
31	445.72	1.5042+01	2.5074+00	8.3574-03	2.5074+00	8.3574-03	1.2024-02	1.9128-01	1.8000+05	2.1044-03	1.7720+00
32	441.95	2.2488+00	3.6844-01	1.2243-03	3.6844-01	1.2243-03	1.7615-03	2.8022-02	2.6370+04	3.0825-04	2.4660+00
33	448.36	1.6442+00	2.7137-01	9.0640-04	2.7137-01	9.0640-04	1.3041-03	2.0745-02	1.9522+04	2.2826-04	3.0090+00
34	455.86	1.1018+00	1.8009-01	6.0515-04	1.8009-01	6.0515-04	8.7066-04	1.3850-02	1.3034+04	1.5244-04	3.3930+00
35	464.88	7.6052-01	1.1981-01	4.0554-04	1.1981-01	4.0554-04	5.8348-04	9.2818-03	8.7345+03	1.0219-04	3.7770+00
36	441.59	7.7314+00	1.2476+00	4.1446-03	1.2476+00	4.1446-03	5.9630-03	9.4858-02	8.9265+04	1.0435-03	1.3070+00
37	446.21	1.4571+00	2.4228-01	8.0785-04	2.4228-01	8.0785-04	1.1623-03	1.8490-02	1.7399+04	2.0343-04	2.4660+00
38	452.46	1.2733+00	2.0762-01	6.9578-04	2.0762-01	6.9578-04	1.0010-03	1.5925-02	1.4986+04	1.7525-04	3.0090+00
39	461.38	1.3242+00	2.1593-01	7.2886-04	2.1593-01	7.2886-04	1.0487-03	1.6682-02	1.5698+04	1.8364-04	3.3930+00
40	470.09	9.5949-01	1.5596-01	5.3016-04	1.5596-01	5.3016-04	7.6277-04	1.2134-02	1.1418+04	1.3362-04	3.7770+00
41	478.47	6.0675-01	9.7056-02	3.3221-04	9.7056-02	3.3221-04	4.7797-04	7.6035-03	7.1552+03	8.3760-05	4.1620+00
43	471.06	7.5585-01	1.2668-01	4.3099-04	1.2668-01	4.3099-04	6.2009-04	9.8642-03	9.2826+03	1.0863-04	5.3230+00
47	445.91	4.9958+00	8.0126-01	2.6710-03	8.0126-01	2.6710-03	3.8430-03	6.1133-02	5.7529+04	6.7259-04	7.1100-01
48	440.67	6.0774+00	9.8891-01	3.2829-03	9.8891-01	3.2829-03	4.7232-03	7.5136-02	7.0706+04	8.2648-04	1.0880+00
49	438.29	7.9418+00	1.2979+00	4.3003-03	1.2979+00	4.3003-03	6.1870-03	9.8422-02	9.2619+04	1.0825-03	1.3070+00
50	449.31	1.5633+01	2.5895+00	8.6558-03	2.5895+00	8.6558-03	1.2454-02	1.9811-01	1.8643+05	2.1799-03	1.6410+00
51	451.10	1.2311+01	2.0599+00	6.8954-03	2.0599+00	6.8954-03	9.9208-03	1.5782-01	1.4851+05	1.7367-03	1.7720+00
52	452.41	1.3709+00	2.2958-01	7.6934-04	2.2958-01	7.6934-04	1.1069-03	1.7608-02	1.6570+04	1.9377-04	2.4660+00
53	455.55	8.3065-01	1.3574-01	4.5601-04	1.3574-01	4.5601-04	6.5608-04	1.0437-02	9.8214+03	1.1487-04	3.0090+00
54	466.96	8.1974-01	1.3337-01	4.5222-04	1.3337-01	4.5222-04	6.5063-04	1.0350-02	9.7399+03	1.1397-04	3.3930+00
55	474.36	9.2468-01	1.4843-01	5.0633-04	1.4843-01	5.0633-04	7.2849-04	1.1589-02	1.0905+04	1.2764-04	3.7770+00
56	443.32	1.4000+00	2.1392-01	7.1165-04	2.1392-01	7.1165-04	1.0239-03	1.6288-02	1.5327+04	1.7918-04	4.1100-01
57	452.22	1.1288+01	1.8073+00	6.0552-03	1.8073+00	6.0552-03	8.7120-03	1.3859-01	1.3042+05	1.5251-03	7.1100-01
58	444.02	1.1089+01	1.8086+00	6.0201-03	1.8086+00	6.0201-03	8.6614-03	1.3778-01	1.2966+05	1.5158-03	1.0880+00
59	441.01	1.1122+01	1.8156+00	6.0288-03	1.8156+00	6.0288-03	8.6739-03	1.3798-01	1.2985+05	1.5178-03	1.3070+00
60	445.85	1.2673+01	2.0818+00	6.9396-03	2.0818+00	6.9396-03	9.9844-03	1.5883-01	1.4947+05	1.7474-03	1.6410+00
61	461.78	7.4494-01	1.2188-01	4.1152-04	1.2188-01	4.1152-04	5.9207-04	9.4185-03	8.8632+03	1.0369-04	3.0090+00
62	469.70	4.8364-01	7.8830-02	2.6789-04	7.8830-02	2.6789-04	3.8543-04	6.1313-03	5.7698+03	6.7519-05	3.3930+00
63	475.55	4.6546-01	7.4773-02	2.5533-04	7.4773-02	2.5533-04	3.6735-04	5.8437-03	5.4992+03	6.4367-05	3.7770+00
64	442.01	1.2085+01	2.0094+00	6.6775-03	2.0094+00	6.6775-03	9.6072-03	1.5283-01	1.4382+05	1.6812-03	1.0880+00
65	444.20	1.7889+01	2.9790+00	9.9173-03	2.9790+00	9.9173-03	1.4269-02	2.2698-01	2.1360+05	2.4971-03	1.3070+00
66	439.40	1.1439+01	1.8987+00	6.2965-03	1.8987+00	6.2965-03	9.0591-03	1.4411-01	1.3561+05	1.5851-03	1.6410+00
69	447.35	2.5366+00	4.2333-01	1.4128-03	4.2333-01	1.4128-03	2.0327-03	3.2336-02	3.0430+04	3.5578-04	4.1100-01
70	443.28	5.0338-01	8.3772-02	2.7867-04	8.3772-02	2.7867-04	4.0094-04	6.3781-03	6.0021+03	7.0165-05	7.1100-01
71	432.11	1.5647+00	2.5762-01	8.4941-04	2.5762-01	8.4941-04	1.2221-03	1.9441-02	1.8295+04	2.1377-04	1.3070+00
72	436.44	1.6810+00	2.7843-01	9.2120-04	2.7843-01	9.2120-04	1.3254-03	2.1084-02	1.9841+04	2.3188-04	1.6410+00
73	464.32	1.4919+00	2.4230-01	8.1982-04	2.4230-01	8.1982-04	1.1795-03	1.8764-02	1.7657+04	2.0658-04	3.7770+00
74	448.14	7.8649-01	1.2826-01	4.2832-04	1.2826-01	4.2832-04	6.1624-04	9.8030-03	9.2250+03	1.0786-04	5.3230+00
77	434.92	9.8026-01	1.6077-01	5.3126-04	1.6077-01	5.3126-04	7.6435-04	1.2159-02	1.1442+04	1.3372-04	3.0090+00
78	443.70	9.9637-01	1.6247-01	5.4064-04	1.6247-01	5.4064-04	7.7785-04	1.2374-02	1.1644+04	1.3613-04	3.3930+00
79	453.66	1.2821+00	2.0672-01	6.9343-04	2.0672-01	6.9343-04	9.9767-04	1.5871-02	1.4935+04	1.7466-04	3.7770+00
80	428.45	1.9117+00	3.1579-01	1.0382-03	3.1579-01	1.0382-03	1.4937-03	2.3761-02	2.2360+04	2.6125-04	2.4660+00
81	434.33	1.1922+00	1.9545-01	6.4555-04	1.9545-01	6.4555-04	9.2879-04	1.4775-02	1.3904+04	1.6248-04	3.0090+00
82	442.09	1.3335+00	2.1785-01	7.2400-04	2.1785-01	7.2400-04	1.0417-03	1.6570-02	1.5593+04	1.8228-04	3.3930+00
83	451.44	1.4514+00	2.3651-01	7.9194-04	2.3651-01	7.9194-04	1.1394-03	1.8125-02	1.7057+04	1.9946-04	3.7770+00
337	475.04	1.0657+01	1.9870+00	6.7820-03	1.9870+00	6.7820-03	9.7576-03	1.5522-01	1.4607+05	1.7097-03	7.1680+00
339	485.55	4.7626+00	9.1320-01	3.1441-03	9.1320-01	3.1441-03	4.5236-03	7.1961-02	6.7718+04	7.9294-04	8.1130+00
340	481.81	1.5283+00	2.8622-01	9.8240-04	2.8622-01	9.8240-04	1.4134-03	2.2485-02	2.1159+04	2.4772-04	8.6180+00
342	478.13	8.2151+00	1.5839+00	5.4200-03	1.5839+00	5.4200-03	7.7981-03	1.2405-01	1.1674+05	1.3665-03	7.1680+00
344	479.15	3.4753+00	6.6704-01	2.2845-03	6.6704-01	2.2845-03	3.2868-03	5.2286-02	4.9203+04	5.7600-04	8.1130+00
347	487.22	5.6223+00	1.0567+00	3.6432-03	1.0567+00	3.6432-03	5.2416-03	8.3383-02	7.8467+04	9.1887-04	7.1680+00
349	476.82	2.9117+00	5.5655-01	1.9024-03	5.5655-01	1.9024-03	2.7371-03	4.3541-02	4.0974+04	4.7962-04	8.1130+00
350	466.64	7.1273-01	1.2474-01	4.2286-04	1.2474-01	4.2286-04	6.0839-04	9.6781-03	9.1074+03	1.0656-04	8.6180+00
352	477.80	1.0177+00	1.8552-01	6.3467-04	1.8552-01	6.3467-04	9.1313-04	1.4526-02	1.3669+04	1.6001-04	7.1680+00
354	493.71	2.6000+00	5.0119-01	1.7373-03	5.0119-01	1.7373-03	2.4996-03	3.9763-02	3.7419+04	4.3830-04	8.1130+00
357	480.90	2.3506+00	4.2823-01	1.4687-03	4.2823-01	1.4687-03	2.1131-03	3.3615-02	3.1633+04	3.7035-04	7.1680+00
359	502.44	1.3948+00	2.5274-01	8.8253-04	2.5274-01	8.8253-04	1.2697-03	2.0199-02	1.9008+04	2.2272-04	8.1130+00
401	458.59	9.8161+00	8.1575-01	2.7472-03	8.1575-01	2.7472-03	3.9526-03	6.2877-02	5.9170+04	6.9212-04	4.5500-01
403	450.79	3.2166+00	2.6275-01	8.7933-04	2.6275-01	8.7933-04	1.2651-03	2.0126-02	1.8939+04	2.2146-04	6.8600-01
404	453.51	4.8862+00	4.0227-01	1.3492-03	4.0227-01	1.3492-03	1.9412-03	3.0880-02	2.9059+04	3.3984-04	8.0100-01
405	458.38	1.0859+01	8.9159-01	3.0022-03	8.9159-01	3.0022-03	4.3194-03	6.8711-02	6.4660+04	7.5633-04	1.0510+00
406	465.44	1.8083+01	1.5008+00	5.0825-03	1.5008+00	5.0825-03	7.3124-03	1.1632-01	1.0947+05	1.2808-03	1.1670+00
407	471.19	2.3682+01	2.0083+00	6.8331-03	2.0083+00	6.8331-03	9.8312-03	1.5639-01	1.4717+05	1.7223-03	1.2830+00
408	455.69	5.8956+00	4.7741-01	1.6040-03	4.7741-01	1.6040-03	2.3078-03	3.6712-02	3.4547+04	4.0406-04	5.1300-01
409	445.55	3.3195+00	2.7179-01	9.0579-04	2.7179-01	9.0579-04	1.3032-03	2.0731-02	1.9509+04	2.2808-04	5.7000-01
410	452.79	4.9055+00	3.8924-01	1.3047-03	3.8924-01	1.3047-03	1.8772-03	2.9862-02	2.8101+04	3.2863-04	6.2800-01
411	446.45	3.0026+00	2.4600-01	8.2042-04	2.4600-01	8.2042-04	1.1804-03	1.8777-02	1.7670+04	2.0659-04	6.8600-01
412	466.68	5.8104+00	4.7976-01	1.6264-03	4.7976-01	1.6264-03	2.3399-03	3.7223-02	3.5028+04	4.0986-04	7.4400-01
413	445.82	3.1200+00	2.5703-01	8.5676-04	2.5703-01	8.5676-04	1.2327-03	1.9609-02	1.8453+04	2.1574-04	8.0100-01
414	456.37	8.4961+00	6.9665-01	2.3419-03	6.9665-01	2.3419-03	3.3695-03	5.3601-02	5.0441+04	5.8996-04	8.5900-01
415	445.61	3.3720+00	2.7610-01	9.2018-04	2.7610-01	9.2018-04	1.3239-03	2.1060-02	1.9819+04	2.3170-04	9.1700-01
416	457.44	5.8234+00	4.4637-01	1.5019-03	4.4637-01	1.5019-03	2.1608-03	3.4374-02	3.2347+04	3.7835-04	5.7000-01
417	464.22	1.4812+01	1.2210+00	4.1310-03	1.2210+00	4.1310-03	5.9435-03	9.4547-02	8.8973+04	1.0410-03	1.0520+00

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12 1 1.90 -10.10 .00 -.00 402 1 3.20 10.04 211.0 1637.2

8.00440+01 4.68300-03 3.30374-01 4.40101+03 4.90860-06 6.48357-08 2.79530-02 7.72000+00 6.65418-06 7.52206-02

1	473.89	1.2886+01	2.1895+00	7.4674-03	2.1895+00	7.4674-03	1.0744-02	1.7091-01	1.6083+05	1.8821-03	4.1100-01
2	482.75	1.4559+01	2.4882+00	8.5483-03	2.4882+00	8.5483-03	1.2299-02	1.9565-01	1.8411+05	2.1553-03	7.1100-01
3	464.41	1.2655+01	2.1365+00	7.2306-03	2.1365+00	7.2306-03	1.0403-02	1.6549-01	1.5573+05	1.8217-03	1.3070+00
4	482.29	3.0675+01	5.2410+00	1.7999-02	5.2410+00	1.7999-02	2.5896-02	4.1195-01	3.8766+05	4.5380-03	1.6410+00
5	462.16	2.1730+01	3.8347+00	1.2954-02	3.8347+00	1.2954-02	1.8637-02	2.9648-01	2.7900+05	3.2634-03	1.7720+00
6	428.09	1.9901+00	3.2291-01	1.0615-03	3.2291-01	1.0615-03	1.5272-03	2.4294-02	2.2862+04	2.6706-04	2.4660+00
7	435.35	1.2509+00	2.0340-01	6.7247-04	2.0340-01	6.7247-04	9.6752-04	1.5391-02	1.4484+04	1.6924-04	3.0090+00
8	442.96	1.4213+00	2.3026-01	7.6590-04	2.3026-01	7.6590-04	1.1019-03	1.7529-02	1.6496+04	1.9281-04	3.3930+00
9	451.69	1.3839+00	2.2555-01	7.5550-04	2.2555-01	7.5550-04	1.0870-03	1.7291-02	1.6272+04	1.9025-04	3.7770+00
10	475.69	2.0857+00	3.4650-01	1.1835-03	3.4650-01	1.1835-03	1.7028-03	2.7088-02	2.5491+04	2.9832-04	5.3230+00
14	463.63	1.2438+01	2.0989+00	7.0989-03	2.0989+00	7.0989-03	1.0213-02	1.6247-01	1.5289+05	1.7885-03	1.0880+00
15	486.90	2.6744+01	4.5831+00	1.5800-02	4.5831+00	1.5800-02	2.2732-02	3.6161-01	3.4029+05	3.9842-03	1.3070+00
16	469.77	2.2069+01	3.7394+00	1.2711-02	3.7394+00	1.2711-02	1.8288-02	2.9091-01	2.7376+05	3.2031-03	1.6410+00
19	459.66	6.3922+00	9.7826-01	3.2979-03	9.7826-01	3.2979-03	4.7449-03	7.5481-02	7.1031+04	8.3076-04	4.1100-01
20	451.73	2.0997+00	3.3503-01	1.1223-03	3.3503-01	1.1223-03	1.6147-03	2.5686-02	2.4171+04	2.8261-04	7.1100-01
21	450.62	6.0520+00	9.7970-01	3.2788-03	9.7970-01	3.2788-03	4.7174-03	7.5043-02	7.0618+04	8.2564-04	1.0880+00
22	455.03	1.2711+01	2.0764+00	6.9739-03	2.0764+00	6.9739-03	1.0034-02	1.5961-01	1.5020+05	1.7564-03	1.3070+00
23	464.83	2.2189+01	3.5939+00	1.2167-02	3.5939+00	1.2167-02	1.7505-02	2.7847-01	2.6205+05	3.0654-03	1.6410+00
24	445.03	1.1595+00	1.8811-01	6.2674-04	1.8811-01	6.2674-04	9.0172-04	1.4344-02	1.3499+04	1.5779-04	3.0090+00
25	452.03	4.8052-01	7.6452-02	2.5615-04	7.6452-02	2.5615-04	3.6854-04	5.8627-03	5.5170+03	6.4506-05	3.3930+00
26	460.66	6.6701-01	1.0740-01	3.6237-04	1.0740-01	3.6237-04	5.2137-04	8.2938-03	7.8048+03	9.1286-05	3.7770+00
27	450.53	1.9070+00	3.0403-01	1.0174-03	3.0403-01	1.0174-03	1.4638-03	2.3286-02	2.1913+04	2.5620-04	7.1100-01
28	444.22	4.4281+00	7.1368-01	2.3763-03	7.1368-01	2.3763-03	3.4188-03	5.4386-02	5.1180+04	5.9822-04	1.0880+00
29	448.57	9.9226+00	1.6283+00	5.4404-03	1.6283+00	5.4404-03	7.8274-03	1.2452-01	1.1718+05	1.3699-03	1.3070+00
30	458.57	1.9338+01	3.2046+00	1.0794-02	3.2046+00	1.0794-02	1.5530-02	2.4704-01	2.3248+05	2.7189-03	1.6410+00
31	453.07	1.4650+01	2.4545+00	8.2307-03	2.4545+00	8.2307-03	1.1842-02	1.8838-01	1.7727+05	2.0728-03	1.7720+00
32	443.06	2.2769+00	3.7332-01	1.2419-03	3.7332-01	1.2419-03	1.7867-03	2.8423-02	2.6747+04	3.1262-04	2.4660+00
33	449.17	1.6519+00	2.7281-01	9.1194-04	2.7281-01	9.1194-04	1.3121-03	2.0872-02	1.9641+04	2.2963-04	3.0090+00
34	456.42	1.0961+00	1.7922-01	6.0262-04	1.7922-01	6.0262-04	8.6701-04	1.3792-02	1.2979+04	1.5178-04	3.3930+00
35	465.28	7.2312-01	1.1394-01	3.8589-04	1.1394-01	3.8589-04	5.5519-04	8.8319-03	8.3112+03	9.7227-05	3.7770+00
36	445.41	7.5553+00	1.2224+00	4.0739-03	1.2224+00	4.0739-03	5.8614-03	9.3242-02	8.7744+04	1.0257-03	1.3070+00
37	446.96	1.4644+00	2.4361-01	8.1291-04	2.4361-01	8.1291-04	1.1696-03	1.8605-02	1.7508+04	2.0467-04	2.4660+00
38	453.19	1.4317+00	2.3358-01	7.8333-04	2.3358-01	7.8333-04	1.1270-03	1.7928-02	1.6871+04	1.9727-04	3.0090+00
39	462.02	1.2135+00	1.9797-01	6.6869-04	1.9797-01	6.6869-04	9.6208-04	1.5305-02	1.4402+04	1.6846-04	3.3930+00
40	470.68	1.0821+00	1.7595-01	5.9852-04	1.7595-01	5.9852-04	8.6112-04	1.3699-02	1.2891+04	1.5083-04	3.7770+00
41	478.76	6.1662-01	9.8653-02	3.3781-04	9.8653-02	3.3781-04	4.8603-04	7.7316-03	7.2758+03	8.5159-05	4.1620+00
43	471.42	6.9870-01	1.1713-01	3.9868-04	1.1713-01	3.9868-04	5.7361-04	9.1248-03	8.5868+03	1.0048-04	5.3230+00
47	448.36	4.9839+00	8.0069-01	2.6748-03	8.0069-01	2.6748-03	3.8484-03	6.1220-02	5.7610+04	6.7350-04	7.1100-01
48	443.68	6.0099+00	9.7996-01	3.2615-03	9.7996-01	3.2615-03	4.6924-03	7.4646-02	7.0245+04	8.2106-04	1.0880+00
49	442.28	8.0213+00	1.3145+00	4.3699-03	1.3145+00	4.3699-03	6.2872-03	1.0002-01	9.4118+04	1.1000-03	1.3070+00
50	456.99	1.5446+01	2.5721+00	8.6523-03	2.5721+00	8.6523-03	1.2449-02	1.9803-01	1.8635+05	2.1793-03	1.6410+00
51	457.19	1.2298+01	2.0662+00	6.9516-03	2.0662+00	6.9516-03	1.0002-02	1.5910-01	1.4972+05	1.7510-03	1.7720+00
52	453.18	1.4888+00	2.4946-01	8.3660-04	2.4946-01	8.3660-04	1.2037-03	1.9148-02	1.8019+04	2.1069-04	2.4660+00
53	455.92	8.0415-01	1.3144-01	4.4178-04	1.3144-01	4.4178-04	6.3560-04	1.0111-02	9.5149+03	1.1127-04	3.0090+00
54	467.34	7.1480-01	1.1633-01	3.9462-04	1.1633-01	3.9462-04	5.6776-04	9.0318-03	8.4992+03	9.9435-05	3.3930+00
55	474.82	8.3429-01	1.3396-01	4.5723-04	1.3396-01	4.5723-04	6.5784-04	1.0465-02	9.8477+03	1.1524-04	3.7770+00
56	444.08	1.2499+00	1.9108-01	6.3615-04	1.9108-01	6.3615-04	9.1526-04	1.4560-02	1.3701+04	1.6015-04	4.1100-01
57	457.88	1.1409+01	1.8337+00	6.1730-03	1.8337+00	6.1730-03	8.8814-03	1.4128-01	1.3295+05	1.5549-03	7.1100-01
58	449.52	1.0749+01	1.7597+00	5.8841-03	1.7597+00	5.8841-03	8.4657-03	1.3467-01	1.2673+05	1.4816-03	1.0880+00
59	446.51	1.0787+01	1.7676+00	5.8962-03	1.7676+00	5.8962-03	8.4832-03	1.3495-01	1.2699+05	1.4845-03	1.3070+00
60	451.94	1.2016+01	1.9822+00	6.6411-03	1.9822+00	6.6411-03	9.5549-03	1.5200-01	1.4304+05	1.6724-03	1.6410+00
61	462.14	7.3402-01	1.2012-01	4.0577-04	1.2012-01	4.0577-04	5.8380-04	9.2870-03	8.7395+03	1.0222-04	3.0090+00
62	469.99	6.0987-01	9.9424-02	3.3801-04	9.9424-02	3.3801-04	4.8632-04	7.7362-03	7.2801+03	8.5181-05	3.3930+00
63	475.79	4.9454-01	7.9459-02	2.7142-04	7.9459-02	2.7142-04	3.9051-04	6.2121-03	5.8459+03	6.8415-05	3.7770+00
64	447.97	1.1514+01	1.9224+00	6.4201-03	1.9224+00	6.4201-03	9.2369-03	1.4694-01	1.3828+05	1.6165-03	1.0880+00
65	452.77	1.6820+01	2.8175+00	9.4456-03	2.8175+00	9.4456-03	1.3590-02	2.1619-01	2.0344+05	2.3787-03	1.3070+00
66	445.06	1.1333+01	1.8884+00	6.2917-03	1.8884+00	6.2917-03	9.0522-03	1.4400-01	1.3551+05	1.5840-03	1.6410+00
69	448.67	2.5974+00	4.3367-01	1.4498-03	4.3387-01	1.4498-03	2.0858-03	3.3181-02	3.1225+04	3.6504-04	4.1100-01
70	443.50	4.4623-01	7.4273-02	2.4716-04	7.4273-02	2.4716-04	3.5560-04	5.6568-03	5.3232+03	6.2220-05	7.1100-01
71	432.90	1.6390+00	2.7000-01	8.9093-04	2.7000-01	8.9093-04	1.2818-03	2.0391-02	1.9189+04	2.2420-04	1.3070+00
72	437.29	1.7049+00	2.8256-01	9.3562-04	2.8256-01	9.3562-04	1.3461-03	2.1414-02	2.0151+04	2.3548-04	1.6410+00
73	465.04	1.3574+00	2.2056-01	7.4681-04	2.2056-01	7.4681-04	1.0745-03	1.7092-02	1.6085+04	1.8816-04	3.7770+00
74	448.51	7.9532-01	1.2973-01	4.3343-04	1.2973-01	4.3343-04	6.2360-04	9.9200-03	9.3351+03	1.0913-04	5.3230+00
77	435.43	9.7351-01	1.5972-01	5.2808-04	1.5972-01	5.2808-04	7.5977-04	1.2086-02	1.1374+04	1.3290-04	3.0090+00
78	444.18	9.6987-01	1.5820-01	5.2673-04	1.5820-01	5.2673-04	7.5783-04	1.2055-02	1.1345+04	1.3260-04	3.3930+00
79	454.30	1.2410+00	2.0019-01	6.7198-04	2.0019-01	6.7198-04	9.6681-04	1.5380-02	1.4473+04	1.6924-04	3.7770+00
80	429.36	1.8239+00	3.0148-01	9.9201-04	3.0148-01	9.9201-04	1.4273-03	2.2705-02	2.1366+04	2.4960-04	2.4660+00
81	434.92	1.2353+00	2.0260-01	6.6960-04	2.0260-01	6.6960-04	9.6338-04	1.5325-02	1.4422+04	1.6851-04	3.0090+00
82	442.73	1.2992+00	2.1234-01	7.0617-04	2.1234-01	7.0617-04	1.0160-03	1.6162-02	1.5209+04	1.7777-04	3.3930+00
83	452.03	1.2125+00	1.9765-01	6.6225-04	1.9765-01	6.6225-04	9.5281-04	1.5157-02	1.4263+04	1.6677-04	3.7770+00
337	480.40	1.0615+01	1.9862+00	6.8103-03	1.9862+00	6.8103-03	9.7983-03	1.5587-01	1.4668+05	1.7169-03	7.1680+00
339	487.91	4.7538+00	9.1292-01	3.1498-03	9.1292-01	3.1498-03	4.5318-03	7.2091-02	6.7840+04	7.9432-04	8.1130+00
340	482.57	1.4894+00	2.7907-01	9.5860-04	2.7907-01	9.5860-04	1.3792-03	2.1940-02	2.0646+04	2.4169-04	8.6180+00
342	482.19	8.0743+00	1.5609+00	5.3602-03	1.5609+00	5.3602-03	7.7120-03	1.2268-01	1.1545+05	1.3514-03	7.1680+00
344	480.84	3.4660+00	6.6599-01	2.2844-03	6.6599-01	2.2844-03	3.2867-03	5.2285-02	4.9202+04	5.7593-04	8.1130+00
347	490.04	5.6847+00	1.0704+00	3.6996-03	1.0704+00	3.6996-03	5.3228-03	8.4674-02	7.9682+04	9.3305-04	7.1680+00
349	478.30	3.0078+00	5.7548-01	1.9699-03	5.7548-01	1.9699-03	2.8341-03	4.5085-02	4.2427+04	4.9657-04	8.1130+00
350	466.97	7.3662-01	1.2895-01	4.3732-04	1.2895-01	4.3732-04	6.2919-04	1.0009-02	9.4189+03	1.1019-04	8.6180+00
352	478.37	1.0862+00	1.9810-01	6.7812-04	1.9810-01	6.7812-04	9.7565-04	1.5520-02	1.4605+04	1.7095-04	7.1680+00
354	495.01	2.5668+00	4.9520-01	1.7187-03	4.9520-01	1.7187-03	2.4728-03	3.9337-02	3.7017+04	4.3355-04	8.1130+00
357	482.07	2.3325+00	4.2525-01	1.4601-03	4.2525-01	1.4601-03	2.1008-03	3.3419-02	3.1448+04	3.6813-04	7.1680+00
359	503.15	1.3927+00	2.5248-01	8.8228-04	2.5248-01	8.8228-04	1.2694-03	2.0193-02	1.9003+04	2.2263-04	8.1130+00
401	463.24	8.9231+00	7.4387-01	2.5150-03	7.4387-01	2.5150-03	3.6185-03	5.7563-02	5.4169+04	6.3363-04	4.5500-01
403	452.27	3.0904+00	2.5269-01	8.4682-04	2.5269-01	8.4682-04	1.2184-03	1.9381-02	1.8239+04	2.1325-04	6.8600-01
404	456.12	5.3418+00	4.4056-01	1.4810-03	4.4056-01	1.4810-03	2.1308-03	3.3896-02	3.1897+04	3.7301-04	8.0100-01
405	463.80	1.0742+01	8.8527-01	2.9945-03	8.8527-01	2.9945-03	4.3083-03	6.8536-02	6.4495+04	7.5444-04	1.0510+00
406	474.10	1.6664+01	1.3910+00	4.7450-03	1.3910+00	4.7450-03	6.8269-03	1.0860-01	1.0220+05	1.1960-03	1.1670+00
407	482.56	2.1884+01	1.8698+00	6.4227-03	1.8698+00	6.4227-03	9.2407-03	1.4700-01	1.3833+05	1.6193-03	1.2830+00
408	458.67	5.9834+00	4.8549-01	1.6354-03	4.8549-01	1.6354-03	2.3529-03	3.7430-02	3.5223+04	4.1194-04	5.1300-01
409	447.24	3.4358+00	2.8165-01	9.4005-04	2.8165-01	9.4005-04	1.3525-03	2.1515-02	2.0247+04	2.3669-04	5.7000-01
410	455.39	5.2140+00	4.1445-01	1.3924-03	4.1445-01	1.3924-03	2.0033-03	3.1868-02	2.9989+04	3.5069-04	6.2800-01
411	447.98	3.1221+00	2.5606-01	8.5514-04	2.5606-01	8.5514-04	1.2303-03	1.9572-02	1.8418+04	2.1531-04	6.8600-01
412	469.49	5.4904+00	4.5419-01	1.5435-03	4.5419-01	1.5435-03	2.2206-03	3.5326-02	3.3243+04	3.8895-04	7.4400-01
413	447.33	3.0229+00	2.4929-01	8.3209-04	2.4929-01	8.3209-04	1.1972-03	1.9044-02	1.7921+04	2.0950-04	8.0100-01
414	460.49	8.0608+00	6.6280-01	2.2359-03	6.6280-01	2.2359-03	3.2170-03	5.1175-02	4.8158+04	5.6326-04	8.5900-01
415	447.36	3.6873+00	3.0228-01	1.0090-03	3.0228-01	1.0090-03	1.4517-03	2.3094-02	2.1732+04	2.5405-04	9.1700-01
416	460.36	5.8945+00	4.5271-01	1.5271-03	4.5271-01	1.5271-03	2.1971-03	3.4951-02	3.2890+04	3.8468-04	5.7000-01
417	471.28	1.3532+01	1.1208+00	3.8142-03	1.1208+00	3.8142-03	5.4878-03	8.7298-02	8.2151+04	9.6125-04	1.0520+00

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13 1 -3.03 -15.03 .00 -.00 402 1 2.00 10.04 213.2 1642.5

8.03137+01 4.72899-03 3.33062-01 4.40870+03 4.94016-06 6.50541-08 2.80873-02 7.72000+00 6.67980-06 7.51845-02

1	456.51	8.3849+00	1.4081+00	4.7116-03	1.4081+00	4.7116-03	6.7237-03	1.0758-01	1.0109+05	1.1873-03	4.1100-01
2	457.14	2.2792+01	3.8292+00	1.2819-02	3.8292+00	1.2819-02	1.8293-02	2.9270-01	2.7503+05	3.2304-03	7.1100-01
3	461.00	2.0665+01	3.4810+00	1.1690-02	3.4810+00	1.1690-02	1.6682-02	2.6692-01	2.5081+05	2.9463-03	1.3070+00
4	449.70	2.2966+01	3.8390+00	1.2775-02	3.8390+00	1.2775-02	1.8231-02	2.9170-01	2.7409+05	3.2185-03	1.6410+00
5	436.71	1.4906+01	2.5849+00	8.5135-03	2.5849+00	8.5135-03	1.2149-02	1.9439-01	1.8266+05	2.1438-03	1.7720+00
6	411.81	2.1990+00	3.5268-01	1.1392-03	3.5268-01	1.1392-03	1.6257-03	2.6011-02	2.4441+04	2.8657-04	2.4660+00
7	417.41	2.3397+00	3.7565-01	1.2187-03	3.7565-01	1.2187-03	1.7391-03	2.7826-02	2.6147+04	3.0664-04	3.0090+00
8	428.55	2.9055+00	4.6599-01	1.5249-03	4.6599-01	1.5249-03	2.1762-03	3.4819-02	3.2718+04	3.8386-04	3.3930+00
9	440.40	3.0119+00	4.8709-01	1.6090-03	4.8709-01	1.6090-03	2.2961-03	3.6738-02	3.4521+04	4.0520-04	3.7770+00
10	476.66	2.6681+00	4.4353-01	1.5085-03	4.4353-01	1.5085-03	2.1527-03	3.4444-02	3.2365+04	3.8044-04	5.3230+00
14	452.47	3.2038+01	5.3656+00	1.7895-02	5.3656+00	1.7895-02	2.5538-02	4.0861-01	3.8395+05	4.5089-03	1.0880+00
15	448.41	1.4626+01	2.4427+00	8.1203-03	2.4427+00	8.1203-03	1.1588-02	1.8541-01	1.7422+05	2.0457-03	1.3070+00
16	441.74	2.3288+01	3.8714+00	1.2802-02	3.8714+00	1.2802-02	1.8269-02	2.9231-01	2.7467+05	3.2242-03	1.6410+00
19	456.91	1.1883+01	1.8152+00	6.0756-03	1.8152+00	6.0756-03	8.6703-03	1.3873-01	1.3035+05	1.5311-03	4.1100-01
20	453.94	1.3765+01	2.1996+00	7.3446-03	2.1996+00	7.3446-03	1.0481-02	1.6770-01	1.5758+05	1.8506-03	7.1100-01
21	440.40	1.6356+01	2.6292+00	8.6847-03	2.6292+00	8.6847-03	1.2394-02	1.9830-01	1.8633+05	2.1872-03	1.0880+00
22	439.25	1.8184+01	2.9384+00	9.6972-03	2.9384+00	9.6972-03	1.3839-02	2.2142-01	2.0806+05	2.4421-03	1.3070+00
23	431.13	1.7942+01	2.8395+00	9.3111-03	2.8395+00	9.3111-03	1.3287-02	2.1260-01	1.9977+05	2.3441-03	1.6410+00
24	428.83	1.3906+00	2.2308-01	7.3019-04	2.2308-01	7.3019-04	1.0420-03	1.6673-02	1.5666+04	1.8381-04	3.0090+00
25	439.26	1.1413+00	1.7999-01	5.9402-04	1.7999-01	5.9402-04	8.4770-04	1.3563-02	1.2745+04	1.4959-04	3.3930+00
26	452.18	1.0275+00	1.6450-01	5.4852-04	1.6450-01	5.4852-04	7.8277-04	1.2525-02	1.1769+04	1.3820-04	3.7770+00
27	455.65	2.7252+01	4.3600+00	1.4578-02	4.3600+00	1.4578-02	2.0804-02	3.3287-01	3.1278+05	3.6736-03	7.1100-01
28	443.18	2.8141+01	4.5322+00	1.5004-02	4.5322+00	1.5004-02	2.1412-02	3.4259-01	3.2192+05	3.7791-03	1.0880+00
29	435.77	1.7109+01	2.7827+00	9.1582-03	2.7827+00	9.1582-03	1.3069-02	2.0911-01	1.9649+05	2.3060-03	1.3070+00
30	426.09	1.4038+01	2.2745+00	7.4290-03	2.2745+00	7.4290-03	1.0602-02	1.6963-01	1.5939+05	1.8699-03	1.6410+00
31	422.64	9.8156+00	1.6101+00	5.2445-03	1.6101+00	5.2445-03	7.4843-03	1.1975-01	1.1252+05	1.3199-03	1.7720+00
32	428.70	2.3538+00	3.8208-01	1.2505-03	3.8208-01	1.2505-03	1.7845-03	2.8553-02	2.6830+04	3.1479-04	2.4660+00
33	437.37	1.3268+00	2.1732-01	7.1614-04	2.1732-01	7.1614-04	1.0220-03	1.6352-02	1.5365+04	1.8033-04	3.0090+00
34	450.52	1.0286+00	1.6750-01	5.5777-04	1.6750-01	5.5777-04	7.9598-04	1.2736-02	1.1967+04	1.4053-04	3.3930+00
35	463.28	8.4208-01	1.3251-01	4.4581-04	1.3251-01	4.4581-04	6.3619-04	1.0179-02	9.5649+03	1.1237-04	3.7770+00
36	436.30	1.3000+01	2.0900+00	6.8815-03	2.0900+00	6.8815-03	9.8203-03	1.5713-01	1.4764+05	1.7328-03	1.3070+00
37	438.10	1.8847+00	3.1161-01	1.0274-03	3.1161-01	1.0274-03	1.4662-03	2.3460-02	2.2044+04	2.5873-04	2.4660+00
38	449.39	1.3158+00	2.1412-01	7.1236-04	2.1412-01	7.1236-04	1.0166-03	1.6266-02	1.5284+04	1.7947-04	3.0090+00
39	463.28	6.3377-01	1.0348-01	3.4814-04	1.0348-01	3.4814-04	4.9682-04	7.9492-03	7.4694+03	8.7755-05	3.3930+00
40	473.78	5.3662-01	8.7438-02	2.9669-04	8.7438-02	2.9669-04	4.2339-04	6.7744-03	6.3655+03	7.4816-05	3.7770+00
41	481.70	5.7558-01	9.2266-02	3.1511-04	9.2266-02	3.1511-04	4.4968-04	7.1950-03	6.7607+03	7.9486-05	4.1620+00
43	470.23	9.1169-01	1.5272-01	5.1669-04	1.5272-01	5.1669-04	7.3735-04	1.1798-02	1.1086+04	1.3028-04	5.3230+00
47	442.92	6.7117+00	1.0742+00	3.5555-03	1.0742+00	3.5555-03	5.0740-03	8.1185-02	7.6285+04	8.9553-04	7.1100-01
48	443.62	2.5083+01	4.0898+00	1.3544-02	4.0898+00	1.3544-02	1.9328-02	3.0925-01	2.9059+05	3.4114-03	1.0880+00
49	433.63	1.6110+01	2.6241+00	8.6216-03	2.6241+00	8.6216-03	1.2304-02	1.9686-01	1.8498+05	2.1707-03	1.3070+00
50	432.14	1.1541+01	1.8891+00	6.1997-03	1.8891+00	6.1997-03	8.8473-03	1.4156-01	1.3302+05	1.5608-03	1.6410+00
51	435.48	8.1995+00	1.3572+00	4.4656-03	1.3572+00	4.4656-03	6.3727-03	1.0196-01	9.5811+04	1.1244-03	1.7720+00
52	448.17	1.9418+00	3.2425-01	1.0777-03	3.2425-01	1.0777-03	1.5379-03	2.4608-02	2.3122+04	2.7149-04	2.4660+00
53	459.32	1.0468+00	1.7149-01	5.7510-04	1.7149-01	5.7510-04	8.2070-04	1.3131-02	1.2339+04	1.4494-04	3.0090+00
54	474.58	6.7481-01	1.1035-01	3.7466-04	1.1035-01	3.7466-04	5.3467-04	8.5548-03	8.0385+03	9.4482-05	3.3930+00
55	481.74	5.2156-01	8.4129-02	2.8733-04	8.4129-02	2.8733-04	4.1003-04	6.5607-03	6.1647+03	7.2479-05	3.7770+00
56	447.90	2.4036+00	3.6844-01	1.2243-03	3.6844-01	1.2243-03	1.7472-03	2.7955-02	2.6268+04	3.0842-04	4.1100-01
57	442.22	6.0114+00	9.5585-01	3.1619-03	9.5585-01	3.1619-03	4.5123-03	7.2198-02	6.7840+04	7.9637-04	7.1100-01
58	434.30	8.9314+00	1.4469+00	4.7563-03	1.4469+00	4.7563-03	6.7876-03	1.0860-01	1.0205+05	1.1976-03	1.0880+00
59	433.63	1.3851+01	2.2496+00	7.3911-03	2.2496+00	7.3911-03	1.0548-02	1.6876-01	1.5858+05	1.8609-03	1.3070+00
60	432.32	9.9891+00	1.6256+00	5.3356-03	1.6256+00	5.3356-03	7.6143-03	1.2183-01	1.1448+05	1.3433-03	1.6410+00
61	467.46	1.4192+00	2.3308-01	7.8683-04	2.3308-01	7.8683-04	1.1229-03	1.7966-02	1.6882+04	1.9837-04	3.0090+00
62	477.22	7.6779-01	1.2577-01	4.2796-04	1.2577-01	4.2796-04	6.1072-04	9.7718-03	9.1820+03	1.0793-04	3.3930+00
63	482.21	5.2987-01	8.5496-02	2.9211-04	8.5496-02	2.9211-04	4.1686-04	6.6699-03	6.2673+03	7.3686-05	3.7770+00
64	431.71	7.1091+00	1.1736+00	3.8501-03	1.1736+00	3.8501-03	5.4944-03	8.7911-02	8.2606+04	9.6930-04	1.0880+00
65	427.72	6.1029+00	1.0047+00	3.2856-03	1.0047+00	3.2856-03	4.6887-03	7.5021-02	7.0493+04	8.2704-04	1.3070+00
66	431.04	7.8738+00	1.2992+00	4.2600-03	1.2992+00	4.2600-03	6.0793-03	9.7270-02	9.1400+04	1.0725-03	1.6410+00
69	448.78	1.2364+00	2.0654-01	6.8680-04	2.0654-01	6.8680-04	9.8011-04	1.5682-02	1.4736+04	1.7302-04	4.1100-01
70	444.75	6.5922-01	1.0982-01	3.6401-04	1.0982-01	3.6401-04	5.1947-04	8.3116-03	7.8100+03	9.1689-05	7.1100-01
71	431.96	1.5294+00	2.5178-01	8.2614-04	2.5178-01	8.2614-04	1.1790-03	1.8864-02	1.7725+04	2.0799-04	1.3070+00
72	432.85	2.1013+00	3.4717-01	1.1400-03	3.4717-01	1.1400-03	1.6268-03	2.6029-02	2.4458+04	2.8701-04	1.6410+00
73	455.92	1.3496+00	2.1794-01	7.2889-04	2.1794-01	7.2889-04	1.0402-03	1.6643-02	1.5639+04	1.8368-04	3.7770+00
74	450.82	1.4114+00	2.3059-01	7.6803-04	2.3059-01	7.6803-04	1.0960-03	1.7537-02	1.6478+04	1.9350-04	5.3230+00
77	420.28	1.8769+00	3.0465-01	9.9053-04	3.0465-01	9.9053-04	1.4136-03	2.2617-02	2.1252+04	2.4926-04	3.0090+00
78	431.66	2.0681+00	3.3440-01	1.0970-03	3.3440-01	1.0970-03	1.5655-03	2.5048-02	2.3537+04	2.7618-04	3.3930+00
79	443.34	2.4488+00	3.9207-01	1.2982-03	3.9207-01	1.2982-03	1.8526-03	2.9642-02	2.7853+04	3.2698-04	3.7770+00
80	412.80	2.2681+00	3.7050-01	1.1977-03	3.7050-01	1.1977-03	1.7091-03	2.7346-02	2.5696+04	3.0130-04	2.4660+00
81	418.14	2.1423+00	3.4721-01	1.1270-03	3.4721-01	1.1270-03	1.6083-03	2.5734-02	2.4181+04	2.8359-04	3.0090+00
82	429.32	2.5797+00	4.1770-01	1.3677-03	4.1770-01	1.3677-03	1.9518-03	3.1230-02	2.9345+04	3.4431-04	3.3930+00
83	441.36	2.9366+00	4.7522-01	1.5710-03	4.7522-01	1.5710-03	2.2419-03	3.5870-02	3.3705+04	3.9565-04	3.7770+00
337	461.15	1.0615+01	1.9608+00	6.5854-03	1.9608+00	6.5854-03	9.3977-03	1.5037-01	1.4129+05	1.6598-03	7.1680+00
339	485.26	8.4571+00	1.6213+00	5.5533-03	1.6213+00	5.5533-03	7.9250-03	1.2680-01	1.1915+05	1.4010-03	8.1130+00
340	491.32	3.3610+00	6.3338-01	2.1804-03	6.3338-01	2.1804-03	3.1115-03	4.9785-02	4.6780+04	5.5021-04	8.6180+00
342	456.97	9.2031+00	1.7494+00	5.8557-03	1.7494+00	5.8557-03	8.3565-03	1.3371-01	1.2564+05	1.4757-03	7.1680+00
344	470.72	6.0556+00	1.1558+00	3.9120-03	1.1558+00	3.9120-03	5.5827-03	8.9325-02	8.3933+04	9.8638-04	8.1130+00
347	469.82	5.9117+00	1.0964+00	3.7149-03	1.0964+00	3.7149-03	5.3014-03	8.4824-02	7.9705+04	9.3665-04	7.1680+00
349	463.63	3.0717+00	5.8199-01	1.9586-03	5.8199-01	1.9586-03	2.7950-03	4.4720-02	4.2021+04	4.9369-04	8.1130+00
350	461.12	6.4779-01	1.1296-01	3.7936-04	1.1296-01	3.7936-04	5.4137-04	8.6620-03	8.1392+03	9.5616-05	8.6180+00
352	471.30	1.0322+00	1.8736-01	6.3446-04	1.8736-01	6.3446-04	9.0541-04	1.4487-02	1.3613+04	1.5998-04	7.1680+00
354	472.87	1.4073+00	2.6759-01	9.0729-04	2.6759-01	9.0729-04	1.2948-03	2.0716-02	1.9466+04	2.2878-04	8.1130+00
357	478.68	2.2551+00	4.1022-01	1.3975-03	4.1022-01	1.3975-03	1.9943-03	3.1910-02	2.9984+04	3.5248-04	7.1680+00
359	488.64	2.6878+00	4.8270-01	1.6580-03	4.8270-01	1.6580-03	2.3661-03	3.7858-02	3.5573+04	4.1834-04	8.1130+00
401	473.52	4.1267+01	3.4639+00	1.1751-02	3.4639+00	1.1751-02	1.6770-02	2.6832-01	2.5212+05	2.9633-03	4.5500-01
403	456.83	1.6306+01	1.3374+00	4.4762-03	1.3374+00	4.4762-03	6.3878-03	1.0221-01	9.6038+04	1.1280-03	6.8600-01
404	454.51	-1.1876+01	-9.7836-01	-3.2683-03	-9.7836-01	-3.2683-03	-4.6641-03	-7.4627-02	-7.0123+04	-8.2356-04	8.0100-01
405	465.01	3.5777+01	2.9507+00	9.9410-03	2.9507+00	9.9410-03	1.4186-02	2.2699-01	2.1329+05	2.5060-03	1.0510+00
406	458.09	3.7899+01	3.1298+00	1.0486-02	3.1298+00	1.0486-02	1.4964-02	2.3942-01	2.2497+05	2.6425-03	1.1670+00
407	457.89	4.2946+01	3.6095+00	1.2091-02	3.6095+00	1.2091-02	1.7254-02	2.7607-01	2.5941+05	3.0470-03	1.2830+00
408	458.90	1.6899+01	1.3714+00	4.5974-03	1.3714+00	4.5974-03	6.5608-03	1.0497-01	9.8639+04	1.1587-03	5.1300-01
409	445.42	2.3117+00	1.8926-01	6.2766-04	1.8926-01	6.2766-04	8.9571-04	1.4332-02	1.3467+04	1.5810-04	5.7000-01
410	455.86	9.6177+00	7.6473-01	2.5575-03	7.6473-01	2.5575-03	3.6497-03	5.8395-02	5.4871+04	6.4446-04	6.2800-01
411	446.97	2.5153+00	2.0615-01	6.8453-04	2.0615-01	6.8453-04	9.7687-04	1.5630-02	1.4687+04	1.7244-04	6.8600-01
412	471.16	1.4033+01	1.1622+00	3.9350-03	1.1622+00	3.9350-03	5.6155-03	8.9849-02	8.4427+04	9.9219-04	7.4400-01
413	443.11	3.7382+00	3.0738-01	1.0175-03	3.0738-01	1.0175-03	1.4521-03	2.3234-02	2.1831+04	2.5628-04	8.0100-01
414	460.55	2.5420+01	2.0903+00	7.0168-03	2.0903+00	7.0168-03	1.0013-02	1.6022-01	1.5055+05	1.7685-03	8.5900-01
415	442.72	4.4114+00	3.6050-01	1.1930-03	3.6050-01	1.1930-03	1.7025-03	2.7240-02	2.5596+04	3.0047-04	9.1700-01
416	461.05	1.4197+01	1.0909+00	3.6635-03	1.0909+00	3.6635-03	5.2281-03	8.3651-02	7.8602+04	9.2337-04	5.7000-01
417	463.62	3.2643+01	2.6897+00	9.0515-03	2.6897+00	9.0515-03	1.2917-02	2.0668-01	1.9420+05	2.2816-03	1.0520+00

13 1 -3.03 -15.03 .00 -.00 402 1 2.25 10.04 213.2 1642.5

8.03137+01 4.72899-03 3.33662-01 4.40870+03 4.94016-06 6.50541-08 2.80873-02 7.72000+00 6.67980-06 7.51845-02

1	458.78	8.9148+00	1.4994+00	5.0254-03	1.4994+00	5.0254-03	7.1716-03	1.1475-01	1.0782+05	1.2667-03	4.1100-01
2	462.93	2.2964+01	3.8732+00	1.3025-02	3.8732+00	1.3025-02	1.8587-02	2.9740-01	2.7945+05	3.2836-03	7.1100-01
3	465.92	1.9830+01	3.3514+00	1.1298-02	3.3514+00	1.1298-02	1.6122-02	2.5796-01	2.4239+05	2.8485-03	1.3070+00
4	455.31	2.2824+01	3.8298+00	1.2860-02	3.8298+00	1.2860-02	1.8267-02	2.9227-01	2.7463+05	3.2260-03	1.6410+00
5	440.40	1.4766+01	2.5672+00	8.4788-03	2.5672+00	8.4788-03	1.2100-02	1.9360-01	1.8192+05	2.1357-03	1.7720+00
6	412.36	2.2587+00	3.6241-01	1.1709-03	3.6241-01	1.1709-03	1.6709-03	2.6736-02	2.5122+04	2.9461-04	2.4660+00
7	417.99	2.2525+00	3.6179-01	1.1740-03	3.6179-01	1.1740-03	1.6754-03	2.6807-02	2.5184+04	2.9546-04	3.0090+00
8	429.29	2.8410+00	4.5589-01	1.4925-03	4.5589-01	1.4925-03	2.1299-03	3.4079-02	3.2022+04	3.7578-04	3.3930+00
9	441.16	3.0312+00	4.9045-01	1.6208-03	4.9045-01	1.6208-03	2.3130-03	3.7008-02	3.4775+04	4.0826-04	3.7770+00
10	477.31	2.6727+00	4.4450-01	1.5124-03	4.4450-01	1.5124-03	2.1582-03	3.4532-02	3.2448+04	3.8149-04	5.3230+00
14	460.66	3.1966+01	5.3833+00	1.8070-02	5.3833+00	1.8070-02	2.5787-02	4.1259-01	3.8769+05	4.5551-03	1.0880+00
15	451.48	1.3042+01	2.1826+00	7.2725-03	2.1826+00	7.2725-03	1.0378-02	1.6606-01	1.5603+05	1.8326-03	1.3070+00
16	447.30	2.2245+01	3.7122+00	1.2328-02	3.7122+00	1.2328-02	1.7593-02	2.8149-01	2.6450+05	3.1060-03	1.6410+00
19	460.10	1.2028+01	1.8412+00	6.1776-03	1.8412+00	6.1776-03	8.8158-03	1.4106-01	1.3254+05	1.5572-03	4.1100-01
20	457.28	1.4035+01	2.2479+00	7.5247-03	2.2479+00	7.5247-03	1.0738-02	1.7182-01	1.6145+05	1.8966-03	7.1100-01
21	443.95	1.4668+01	2.3635+00	7.8281-03	2.3635+00	7.8281-03	1.1171-02	1.7874-01	1.6795+05	1.9720-03	1.0880+00
22	443.42	1.6913+01	2.7409+00	9.0741-03	2.7409+00	9.0741-03	1.2949-02	2.0719-01	1.9469+05	2.2859-03	1.3070+00
23	435.40	1.7414+01	2.7641+00	9.0930-03	2.7641+00	9.0930-03	1.2976-02	2.0762-01	1.9509+05	2.2899-03	1.6410+00
24	429.15	1.3501+00	2.1663-01	7.0914-04	2.1663-01	7.0914-04	1.0120-03	1.6192-02	1.5215+04	1.7854-04	3.0090+00
25	439.51	1.0821+00	1.7068-01	5.6331-04	1.7068-01	5.6331-04	8.0389-04	1.2862-02	1.2086+04	1.4188-04	3.3930+00
26	452.48	1.1932+00	1.9108-01	6.3717-04	1.9108-01	6.3717-04	9.0928-04	1.4549-02	1.3671+04	1.6057-04	3.7770+00
27	463.47	3.0830+01	4.9585+00	1.6682-02	4.9585+00	1.6682-02	2.3806-02	3.8090-01	3.5791+05	4.2056-03	7.1100-01
28	450.32	2.8311+01	4.5821+00	1.5253-02	4.5821+00	1.5253-02	2.1767-02	3.4828-01	3.2726+05	3.8435-03	1.0880+00
29	440.15	1.7230+01	2.8110+00	9.2821-03	2.8110+00	9.2821-03	1.3246-02	2.1194-01	1.9915+05	2.3380-03	1.3070+00
30	429.19	1.2913+01	2.0969+00	6.8644-03	2.0969+00	6.8644-03	9.7959-03	1.5674-01	1.4728+05	1.7283-03	1.6410+00
31	424.89	9.2286+00	1.5162+00	4.9467-03	1.5162+00	4.9467-03	7.0592-03	1.1295-01	1.0613+05	1.2452-03	1.7720+00
32	429.29	2.3875+00	3.8772-01	1.2693-03	3.8772-01	1.2693-03	1.8114-03	2.8984-02	2.7234+04	3.1959-04	2.4660+00
33	437.67	1.2182+00	1.9958-01	6.5773-04	1.9958-01	6.5773-04	9.3862-04	1.5018-02	1.4112+04	1.6565-04	3.0090+00
34	450.72	8.7636-01	1.4274-01	4.7530-04	1.4274-01	4.7530-04	6.7828-04	1.0853-02	1.0198+04	1.1977-04	3.3930+00
35	463.48	8.1351-01	1.2803-01	4.3073-04	1.2803-01	4.3073-04	6.1469-04	9.8351-03	9.2415+03	1.0859-04	3.7770+00
36	439.25	1.2100+01	1.9493+00	6.4321-03	1.9493+00	6.4321-03	9.1791-03	1.4687-01	1.3800+05	1.6201-03	1.3070+00
37	438.54	1.7984+00	2.9744-01	9.8091-04	2.9744-01	9.8091-04	1.3998-03	2.2398-02	2.1046+04	2.4706-04	2.4660+00
38	449.71	1.2338+00	2.0081-01	6.6814-04	2.0081-01	6.6814-04	9.5347-04	1.5256-02	1.4335+04	1.6835-04	3.0090+00
39	463.37	6.1715-01	1.0077-01	3.3900-04	1.0077-01	3.3900-04	4.8378-04	7.7406-03	7.2734+03	8.5466-05	3.3930+00
40	473.91	4.9091-01	7.9996-02	2.7142-04	7.9996-02	2.7142-04	3.8733-04	6.1974-03	5.8234+03	6.8456-05	3.7770+00
41	481.83	4.9870-01	7.9949-02	2.7302-04	7.9949-02	2.7302-04	3.8962-04	6.2341-03	5.8578+03	6.8882-05	4.1620+00
43	470.45	9.0701-01	1.5196-01	5.1413-04	1.5196-01	5.1413-04	7.3369-04	1.1739-02	1.1031+04	1.2965-04	5.3230+00
47	444.51	6.3906+00	1.0240+00	3.3929-03	1.0240+00	3.3929-03	4.8419-03	7.7472-02	7.2796+04	8.5475-04	7.1100-01
48	449.89	2.4901+01	4.0778+00	1.3570-02	4.0778+00	1.3570-02	1.9365-02	3.0984-01	2.9114+05	3.4193-03	1.0880+00
49	437.46	1.5496+01	2.5309+00	8.3394-03	2.5309+00	8.3394-03	1.1901-02	1.9042-01	1.7892+05	2.1003-03	1.3070+00
50	434.91	1.1260+01	1.8466+00	6.0725-03	1.8466+00	6.0725-03	8.6658-03	1.3866-01	1.3029+05	1.5292-03	1.6410+00
51	437.44	7.9818+00	1.3230+00	4.3591-03	1.3230+00	4.3591-03	6.2207-03	9.9533-02	9.3526+04	1.0979-03	1.7720+00
52	448.64	1.9574+00	3.2696-01	1.0869-03	3.2696-01	1.0869-03	1.5511-03	2.4818-02	2.3320+04	2.7367-04	2.4660+00
53	459.54	9.9169-01	1.6249-01	5.4494-04	1.6249-01	5.4494-04	7.7766-04	1.2443-02	1.1692+04	1.3736-04	3.0090+00
54	474.74	6.7481-01	1.1036-01	3.7469-04	1.1036-01	3.7469-04	5.3471-04	8.5555-03	8.0391+03	9.4506-05	3.3930+00
55	481.87	4.7532-01	7.6677-02	2.6186-04	7.6677-02	2.6186-04	3.7369-04	5.9792-03	5.6183+03	6.6066-05	3.7770+00
56	448.47	2.1990+00	3.3719-01	1.1208-03	3.3719-01	1.1208-03	1.5995-03	2.5592-02	2.4047+04	2.8240-04	4.1100-01
57	443.51	5.5132+00	8.7741-01	2.9050-03	8.7741-01	2.9050-03	4.1456-03	6.6331-02	6.2327+04	7.3180-04	7.1100-01
58	436.41	8.8255+00	1.4318+00	4.7140-03	1.4318+00	4.7140-03	6.7272-03	1.0764-01	1.0114+05	1.1872-03	1.0880+00
59	437.02	1.3572+01	2.2095+00	7.2777-03	2.2095+00	7.2777-03	1.0386-02	1.6617-01	1.5615+05	1.8329-03	1.3070+00
60	434.59	9.3387+00	1.5222+00	5.0043-03	1.5222+00	5.0043-03	7.1414-03	1.1427-01	1.0737+05	1.2602-03	1.6410+00
61	467.80	1.3849+00	2.2751-01	7.6808-04	2.2751-01	7.6808-04	1.0961-03	1.7538-02	1.6479+04	1.9367-04	3.0090+00
62	477.39	7.0026-01	1.1472-01	3.9035-04	1.1472-01	3.9035-04	5.5706-04	8.9131-03	8.3752+03	9.8466-05	3.3930+00
63	482.32	4.3584-01	7.0330-02	2.4027-04	7.0330-02	2.4027-04	3.4289-04	5.4863-03	5.1552+03	6.0621-05	3.7770+00
64	433.30	6.5818+00	1.0878+00	3.5725-03	1.0878+00	3.5725-03	5.0981-03	8.1572-02	7.6648+04	8.9959-04	1.0880+00
65	429.09	5.7403+00	9.4588-01	3.0962-03	9.4588-01	3.0962-03	4.4185-03	7.0697-02	6.6430+04	7.7953-04	1.3070+00
66	432.88	7.5423+00	1.2461+00	4.0912-03	1.2461+00	4.0912-03	5.8384-03	9.3417-02	8.7779+04	1.0302-03	1.6410+00
69	449.07	1.2894+00	2.1543-01	7.1643-04	2.1543-01	7.1643-04	1.0224-03	1.6359-02	1.5371+04	1.8052-04	4.1100-01
70	444.79	2.8467-01	4.7425-02	1.5718-04	4.7425-02	1.5718-04	2.2430-04	3.5889-03	3.3723+03	3.9597-05	7.1100-01
71	432.10	9.5117-01	1.5661-01	5.1384-04	1.5661-01	5.1384-04	7.3328-04	1.1733-02	1.1025+04	1.2939-04	1.3070+00
72	433.14	1.3725+00	2.2680-01	7.4476-04	2.2680-01	7.4476-04	1.0628-03	1.7005-02	1.5979+04	1.8754-04	1.6410+00
73	456.23	1.2821+00	2.0708-01	6.9263-04	2.0708-01	6.9263-04	9.8843-04	1.5815-02	1.4861+04	1.7457-04	3.7770+00
74	451.17	1.3418+00	2.1927-01	7.3041-04	2.1927-01	7.3041-04	1.0423-03	1.6678-02	1.5671+04	1.8405-04	5.3230+00
77	420.74	1.8094+00	2.9379-01	9.5541-04	2.9379-01	9.5541-04	1.3634-03	2.1815-02	2.0499+04	2.4047-04	3.0090+00
78	432.18	2.0473+00	3.3116-01	1.0866-03	3.3116-01	1.0866-03	1.5507-03	2.4812-02	2.3314+04	2.7362-04	3.3930+00
79	444.00	2.4691+00	3.9549-01	1.3099-03	3.9549-01	1.3099-03	1.8693-03	2.9910-02	2.8104+04	3.2999-04	3.7770+00
80	413.37	2.2706+00	3.7108-01	1.1999-03	3.7108-01	1.1999-03	1.7123-03	2.7397-02	2.5743+04	3.0191-04	2.4660+00
81	418.67	2.1091+00	3.4195-01	1.1102-03	3.4195-01	1.1102-03	1.5844-03	2.5351-02	2.3820+04	2.7941-04	3.0090+00
82	429.96	2.5304+00	4.0989-01	1.3426-03	4.0989-01	1.3426-03	1.9160-03	3.0657-02	2.8807+04	3.3805-04	3.3930+00
83	442.09	2.9605+00	4.7933-01	1.5852-03	4.7933-01	1.5852-03	2.2622-03	3.6195-02	3.4011+04	3.9931-04	3.7770+00
337	463.80	1.0609+01	1.9633+00	6.6067-03	1.9633+00	6.6067-03	9.4282-03	1.5085-01	1.4175+05	1.6656-03	7.1680+00
339	487.35	8.3371+00	1.6005+00	5.4906-03	1.6005+00	5.4906-03	7.8354-03	1.2537-01	1.1780+05	1.3855-03	8.1130+00
340	492.15	3.2764+00	6.1775-01	2.1277-03	6.1775-01	2.1277-03	3.0363-03	4.8562-02	4.5650+04	5.3702-04	8.6180+00
342	459.19	9.0114+00	1.7156+00	5.7518-03	1.7156+00	5.7518-03	8.2082-03	1.3133-01	1.2341+05	1.4498-03	7.1680+00
344	472.22	5.9455+00	1.1359+00	3.8488-03	1.1359+00	3.8488-03	5.4925-03	8.7881-02	8.2577+04	9.7066-04	8.1130+00
347	471.25	5.8166+00	1.0818+00	3.6624-03	1.0818+00	3.6624-03	5.2264-03	8.3624-02	7.8577+04	9.2360-04	7.1680+00
349	464.35	2.8795+00	5.4584-01	1.8377-03	5.4584-01	1.8377-03	2.6225-03	4.1960-02	3.9428+04	4.6331-04	8.1130+00
350	461.26	6.0208-01	1.0500-01	3.5260-04	1.0500-01	3.5260-04	5.0319-04	8.0511-03	7.5652+03	8.8887-05	8.6180+00
352	471.45	7.2467-01	1.3155-01	4.4546-04	1.3155-01	4.4546-04	6.3570-04	1.0171-02	9.5575+03	1.1234-04	7.1680+00
354	473.16	1.2940+00	2.4610-01	8.3450-04	2.4610-01	8.3450-04	1.1909-03	1.9054-02	1.7904+04	2.1047-04	8.1130+00
357	479.08	1.7610+00	3.2044-01	1.0918-03	3.2044-01	1.0918-03	1.5581-03	2.4930-02	2.3425+04	2.7543-04	7.1680+00
359	489.24	2.4234+00	4.3539-01	1.4960-03	4.3539-01	1.4960-03	2.1348-03	3.4158-02	3.2096+04	3.7753-04	8.1130+00
401	483.65	3.8916+01	3.2885+00	1.1247-02	3.2885+00	1.1247-02	1.6050-02	2.5681-01	2.4131+05	2.8378-03	4.5500-01
403	460.77	1.5412+01	1.2675+00	4.2550-03	1.2675+00	4.2550-03	6.0722-03	9.7157-02	9.1293+04	1.0726-03	6.8600-01
404	446.97	-2.4669+01	-2.0218+00	-6.7123-03	-2.0218+00	-6.7123-03	-9.5789-03	-1.5327-01	-1.4402+05	-1.6912-03	8.0100-01
405	473.69	3.3939+01	2.8154+00	9.5508-03	2.8154+00	9.5508-03	1.3630-02	2.1808-01	2.0491+05	2.4088-03	1.0510+00
406	467.32	3.6210+01	3.0090+00	1.0155-02	3.0090+00	1.0155-02	1.4491-02	2.3186-01	2.1787+05	2.5605-03	1.1670+00
407	468.13	4.0122+01	3.3954+00	1.1466-02	3.3954+00	1.1466-02	1.6363-02	2.6182-01	2.4601+05	2.8913-03	1.2830+00
408	463.28	1.7437+01	1.4193+00	4.7741-03	1.4193+00	4.7741-03	6.8130-03	1.0901-01	1.0243+05	1.2036-03	5.1300-01
409	445.88	2.1475+00	1.7588-01	5.8340-04	1.7588-01	5.8340-04	8.3255-04	1.3321-02	1.2517+04	1.4698-04	5.7000-01
410	458.40	1.0189+01	8.1152-01	2.7190-03	8.1152-01	2.7190-03	3.8802-03	6.2085-02	5.8338+04	6.8536-04	6.2800-01
411	447.64	2.7278+00	2.2367-01	7.4297-04	2.2367-01	7.4297-04	1.0603-03	1.6965-02	1.5941+04	1.8719-04	6.8600-01
412	474.79	1.4641+01	1.2154+00	4.1267-03	1.2154+00	4.1267-03	5.8891-03	9.4227-02	8.8540+04	1.0409-03	7.4400-01
413	444.00	3.5673+00	2.9351-01	9.7214-04	2.9351-01	9.7214-04	1.3873-03	2.2197-02	2.0858+04	2.4490-04	8.0100-01
414	467.12	2.5918+01	2.1406+00	7.2230-03	2.1406+00	7.2230-03	1.0308-02	1.6493-01	1.5497+05	1.8212-03	8.5900-01
415	443.84	4.7060+00	3.8486-01	1.2746-03	3.8486-01	1.2746-03	1.8189-03	2.9103-02	2.7346+04	3.2108-04	9.1700-01
416	464.59	1.4008+01	1.0789+00	3.6330-03	1.0789+00	3.6330-03	5.1846-03	8.2955-02	7.7948+04	9.1596-04	5.7000-01
417	471.80	3.2271+01	2.6742+00	9.0577-03	2.6742+00	9.0577-03	1.2926-02	2.0682-01	1.9433+05	2.2843-03	1.0520+00

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8.03047+01 4.72906-03 3.33667-01 4.40846+03 4.94079-06 6.50468-08 2.80925-02 7.72000+00 6.67894-06 7.51857-02

1	461.00	9.0057+00	1.5170+00	5.0950-03	1.5170+00	5.0950-03	7.2704-03	1.1634-01	1.0933+05	1.2842-03	4.1100-01
2	468.68	2.2914+01	3.8797+00	1.3112-02	3.9757+00	1.3112-02	1.8710-02	2.9939-01	2.8136+05	3.3057-03	7.1100-01
3	470.84	1.9831+01	3.3625+00	1.1384-02	3.3625+00	1.1384-02	1.6245-02	2.5994-01	2.4428+05	2.8703-03	1.3070+00
4	461.07	2.3074+01	3.8870+00	1.3056-02	3.8870+00	1.3056-02	1.8630-02	2.9811-01	2.8015+05	3.2906-03	1.6410+00
5	444.07	1.4616+01	2.5476+00	8.4412-03	2.5476+00	8.4412-03	1.2045-02	1.9274-01	1.8113+05	2.1261-03	1.7720+00
6	412.93	2.2571+00	3.6230-01	1.1715-03	3.6230-01	1.1715-03	1.6716-03	2.6748-02	2.5137+04	2.9470-04	2.4660+00
7	418.55	2.2883+00	3.6770-01	1.1941-03	3.6770-01	1.1941-03	1.7039-03	2.7265-02	2.5623+04	3.0046-04	3.0090+00
8	429.97	2.8161+00	4.5211-01	1.4814-03	4.5211-01	1.4814-03	2.1139-03	3.3825-02	3.1788+04	3.7292-04	3.3930+00
9	441.91	3.0442+00	4.9281-01	1.6301-03	4.9281-01	1.6301-03	2.3260-03	3.7220-02	3.4978+04	4.1054-04	3.7770+00
10	477.97	2.6681+00	4.4392-01	1.5117-03	4.4392-01	1.5117-03	2.1571-03	3.4517-02	3.2438+04	3.8126-04	5.3230+00
14	468.54	3.0837+01	5.2209+00	1.7642-02	5.2209+00	1.7642-02	2.5175-02	4.0284-01	3.7857+05	4.4479-03	1.0880+00
15	454.71	1.3182+01	2.2111+00	7.3887-03	2.2111+00	7.3887-03	1.0543-02	1.6871-01	1.5855+05	1.8618-03	1.3070+00
16	452.78	2.2036+01	3.6912+00	1.2316-02	3.6912+00	1.2316-02	1.7574-02	2.8121-01	2.6427+05	3.1031-03	1.6410+00
19	463.03	1.1541+01	1.7702+00	5.9553-03	1.7702+00	5.9553-03	8.4980-03	1.3598-01	1.2779+05	1.5011-03	4.1100-01
20	460.94	1.5105+01	2.4253+00	8.1454-03	2.4253+00	8.1454-03	1.1623-02	1.8599-01	1.7478+05	2.0530-03	7.1100-01
21	447.62	1.4416+01	2.3288+00	7.7382-03	2.3288+00	7.7382-03	1.1042-02	1.7669-01	1.6605+05	1.9493-03	1.0880+00
22	447.62	1.6403+01	2.6659+00	8.8583-03	2.6659+00	8.8583-03	1.2640-02	2.0226-01	1.9008+05	2.2315-03	1.3070+00
23	439.77	1.7431+01	2.7754+00	9.1645-03	2.7754+00	9.1645-03	1.3077-02	2.0926-01	1.9665+05	2.3079-03	1.6410+00
24	429.50	1.3855+00	2.2235-01	7.2830-04	2.2235-01	7.2830-04	1.0393-03	1.6630-02	1.5628+04	1.8334-04	3.0090+00
25	439.78	1.1070+00	1.7465-01	5.7671-04	1.7465-01	5.7671-04	8.2294-04	1.3168-02	1.2375+04	1.4523-04	3.3930+00
26	452.80	1.2566+00	2.0127-01	6.7154-04	2.0127-01	6.7154-04	9.5826-04	1.5333-02	1.4410+04	1.6920-04	3.7770+00
27	471.45	3.1299+01	5.0610+00	1.7143-02	5.0610+00	1.7143-02	2.4462-02	3.9143-01	3.6785+05	4.3224-03	7.1100-01
28	457.35	2.8125+01	4.5739+00	1.5317-02	4.5739+00	1.5317-02	2.1857-02	3.4974-01	3.2867+05	3.8599-03	1.0880+00
29	444.46	1.6942+01	2.7723+00	9.1886-03	2.7723+00	9.1886-03	1.3112-02	2.0981-01	1.9717+05	2.3144-03	1.3070+00
30	432.43	1.3034+01	2.1213+00	6.9642-03	2.1213+00	6.9642-03	9.9376-03	1.5902-01	1.4944+05	1.7533-03	1.6410+00
31	427.18	9.2540+00	1.5228+00	4.9789-03	1.5228+00	4.9789-03	7.1046-03	1.1368-01	1.0684+05	1.2532-03	1.7720+00
32	429.90	2.4000+00	3.8991-01	1.2775-03	3.8991-01	1.2775-03	1.8230-03	2.9171-02	2.7413+04	3.2160-04	2.4660+00
33	437.96	1.1969+00	1.9613-01	6.4671-04	1.9613-01	6.4671-04	9.2283-04	1.4767-02	1.3877+04	1.6285-04	3.0090+00
34	450.93	8.4468-01	1.3759-01	4.5840-04	1.3759-01	4.5840-04	6.5413-04	1.0467-02	9.8365+03	1.1549-04	3.3930+00
35	463.68	7.9065-01	1.2445-01	4.1889-04	1.2445-01	4.1889-04	5.9774-04	9.5647-03	8.9886+03	1.0559-04	3.7770+00
36	442.26	1.1950+01	1.9291+00	6.3828-03	1.9291+00	6.3828-03	9.1080-03	1.4574-01	1.3696+05	1.6075-03	1.3070+00
37	438.97	1.8104+00	2.9951-01	9.8837-04	2.9951-01	9.8837-04	1.4104-03	2.2568-02	2.1204+04	2.4890-04	2.4660+00
38	450.00	1.2369+00	2.0135-01	6.7033-04	2.0135-01	6.7033-04	9.5653-04	1.5306-02	1.4384+04	1.6888-04	3.0090+00
39	463.54	8.1767-01	1.3353-01	4.4941-04	1.3353-01	4.4941-04	6.4129-04	1.0261-02	9.6434+03	1.1328-04	3.3930+00
40	474.02	4.2753-01	6.9674-02	2.3649-04	6.9674-02	2.3649-04	3.3747-04	5.4000-03	5.0747+03	5.9637-05	3.7770+00
41	481.93	4.8935-01	7.8455-02	2.6804-04	7.8455-02	2.6804-04	3.8248-04	6.1202-03	5.7515+03	6.7612-05	4.1620+00
43	470.67	8.5766-01	1.4371-01	4.8647-04	1.4371-01	4.8647-04	6.9418-04	1.1108-02	1.0439+04	1.2266-04	5.3230+00
47	446.05	6.1481+00	9.8615-01	3.2727-03	9.8615-01	3.2727-03	4.6700-03	7.4726-02	7.0225+04	8.2436-04	7.1100-01
48	456.05	2.4625+01	4.0495+00	1.3547-02	4.0495+00	1.3547-02	1.9330-02	3.0931-01	2.9068+05	3.4136-03	1.0880+00
49	441.33	1.5496+01	2.5377+00	8.3899-03	2.5377+00	8.3899-03	1.1972-02	1.9157-01	1.8003+05	2.1130-03	1.3070+00
50	437.74	1.1269+01	1.8517+00	6.1047-03	1.8517+00	6.1047-03	8.7112-03	1.3939-01	1.3100+05	1.5372-03	1.6410+00
51	439.42	7.9065+00	1.3123+00	4.3321-03	1.3123+00	4.3321-03	6.1817-03	9.8916-02	9.2958+04	1.0909-03	1.7720+00
52	449.14	2.0223+00	3.3792-01	1.1242-03	3.3792-01	1.1242-03	1.6042-03	2.5669-02	2.4123+04	2.8321-04	2.4660+00
53	459.80	1.0571+00	1.7325-01	5.8131-04	1.7325-01	5.8131-04	8.2951-04	1.3273-02	1.2474+04	1.4651-04	3.0090+00
54	474.91	6.5558-01	1.0723-01	3.6423-04	1.0723-01	3.6423-04	5.1974-04	8.3166-03	7.8157+03	9.1851-05	3.3930+00
55	481.96	4.5455-01	7.3331-02	2.5053-04	7.3331-02	2.5053-04	3.5750-04	5.7205-03	5.3759+03	6.3197-05	3.7770+00
56	448.92	1.9403+00	2.9762-01	9.8993-04	2.9762-01	9.8993-04	1.4126-03	2.2604-02	2.1242+04	2.4939-04	4.1100-01
57	444.88	5.4561+00	8.6914-01	2.8816-03	8.6914-01	2.8816-03	4.1120-03	6.5798-02	6.1834+04	7.2584-04	7.1100-01
58	438.66	9.0094+00	1.4640+00	4.8299-03	1.4640+00	4.8299-03	6.8920-03	1.1028-01	1.0364+05	1.2163-03	1.0880+00
59	440.41	1.3430+01	2.1914+00	7.2398-03	2.1914+00	7.2398-03	1.0331-02	1.6531-01	1.5535+05	1.8233-03	1.3070+00
60	436.90	9.3195+00	1.5215+00	5.0128-03	1.5215+00	5.0128-03	7.1531-03	1.1446-01	1.0757+05	1.2622-03	1.6410+00
61	468.16	1.3995+00	2.2995-01	7.7681-04	2.2995-01	7.7681-04	1.1085-03	1.7737-02	1.6669+04	1.9584-04	3.0090+00
62	477.55	6.7948-01	1.1133-01	3.7899-04	1.1133-01	3.7899-04	5.4080-04	8.6536-03	8.1323+03	9.5583-05	3.3930+00
63	482.43	3.8961-01	6.2874-02	2.1489-04	6.2874-02	2.1489-04	3.0664-04	4.9067-03	4.6111+03	5.4207-05	3.7770+00
64	434.93	6.5512+00	1.0839+00	3.5655-03	1.0839+00	3.5655-03	5.0879-03	8.1414-02	7.6510+04	8.9775-04	1.0880+00
65	430.53	5.7325+00	9.4556-01	3.0996-03	9.4556-01	3.0996-03	4.4230-03	7.0775-02	6.6512+04	7.8030-04	1.3070+00
66	434.74	7.5745+00	1.2531+00	4.1214-03	1.2531+00	4.1214-03	5.8810-03	9.4105-02	8.8437+04	1.0377-03	1.6410+00
69	449.41	1.3875+00	2.3189-01	7.7162-04	2.3189-01	7.7162-04	1.1011-03	1.7619-02	1.6557+04	1.9439-04	4.1100-01
70	444.86	2.4623-01	4.1023-02	1.3601-04	4.1023-02	1.3601-04	1.9408-04	3.1056-03	2.9185+03	3.4259-05	7.1100-01
71	432.35	1.0099+00	1.6630-01	5.4593-04	1.6630-01	5.4593-04	7.7902-04	1.2465-02	1.1715+04	1.3744-04	1.3070+00
72	433.46	1.3751+00	2.2728-01	7.4677-04	2.2728-01	7.4677-04	1.0656-03	1.7051-02	1.6024+04	1.8801-04	1.6410+00
73	456.53	1.3060+00	2.1099-01	7.0608-04	2.1099-01	7.0608-04	1.0076-03	1.6122-02	1.5151+04	1.7793-04	3.7770+00
74	451.51	1.2390+00	2.0251-01	6.7498-04	2.0251-01	6.7498-04	9.6316-04	1.5412-02	1.4484+04	1.7006-04	5.3230+00
77	421.19	1.8639+00	3.0274-01	9.8518-04	3.0274-01	9.8518-04	1.4058-03	2.2495-02	2.1140+04	2.4792-04	3.0090+00
78	432.69	2.1397+00	3.4624-01	1.1369-03	3.4624-01	1.1369-03	1.6224-03	2.5960-02	2.4397+04	2.8624-04	3.3930+00
79	444.63	2.4743+00	3.9649-01	1.3143-03	3.9649-01	1.3143-03	1.8754-03	3.0010-02	2.8202+04	3.3104-04	3.7770+00
80	413.93	2.2748+00	3.7191-01	1.2034-03	3.7191-01	1.2034-03	1.7173-03	2.7479-02	2.5824+04	3.0276-04	2.4660+00
81	419.18	2.1377+00	3.4671-01	1.1265-03	3.4671-01	1.1265-03	1.6075-03	2.5722-02	2.4172+04	2.8346-04	3.0090+00
82	430.56	2.5429+00	4.1209-01	1.3509-03	4.1209-01	1.3509-03	1.9277-03	3.0846-02	2.8988+04	3.4008-04	3.3930+00
83	442.83	3.0036+00	4.8656-01	1.6106-03	4.8656-01	1.6106-03	2.2982-03	3.6775-02	3.4559+04	4.0564-04	3.7770+00
337	466.45	1.0616+01	1.9680+00	6.6390-03	1.9680+00	6.6390-03	9.4737-03	1.5159-01	1.4246+05	1.6737-03	7.1680+00
339	489.44	8.3377+00	1.6028+00	5.5097-03	1.6028+00	5.5097-03	7.8621-03	1.2581-01	1.1823+05	1.3902-03	8.1130+00
340	492.98	3.3361+00	6.2936-01	2.1699-03	6.2936-01	2.1699-03	3.0963-03	4.9545-02	4.6561+04	5.4759-04	8.6180+00
342	461.43	9.0171+00	1.7193+00	5.7764-03	1.7193+00	5.7764-03	8.2427-03	1.3189-01	1.2395+05	1.4559-03	7.1680+00
344	473.69	5.8904+00	1.1265+00	3.8227-03	1.1265+00	3.8227-03	5.4548-03	8.7285-02	8.2028+04	9.6396-04	8.1130+00
347	472.71	5.8114+00	1.0818+00	3.6682-03	1.0818+00	3.6682-03	5.2344-03	8.3757-02	7.8712+04	9.2496-04	7.1680+00
349	465.06	2.8634+00	5.4314-01	1.8302-03	5.4314-01	1.8302-03	2.6117-03	4.1790-02	3.9273+04	4.6137-04	8.1130+00
350	461.40	6.3533-01	1.1080-01	3.7227-04	1.1080-01	3.7227-04	5.3122-04	8.5003-03	7.9883+03	9.3830-05	8.6180+00
352	471.62	7.0701-01	1.2836-01	4.3486-04	1.2836-01	4.3486-04	6.2052-04	9.9293-03	9.3312+03	1.0965-04	7.1680+00
354	473.47	1.2727+00	2.4210-01	8.2142-04	2.4210-01	8.2142-04	1.1721-03	1.8756-02	1.7626+04	2.0713-04	8.1130+00
357	479.50	1.7631+00	3.2090-01	1.0942-03	3.2090-01	1.0942-03	1.5613-03	2.4983-02	2.3478+04	2.7597-04	7.1680+00
359	489.81	2.4052+00	4.3228-01	1.4865-03	4.3228-01	1.4865-03	2.1212-03	3.3941-02	3.1897+04	3.7508-04	8.1130+00
401	493.05	3.6519+01	3.1049+00	1.0706-02	3.1049+00	1.0706-02	1.5276-02	2.4444-01	2.2972+05	2.7017-03	4.5500-01
403	464.53	1.4635+01	1.2067+00	4.0643-03	1.2067+00	4.0643-03	5.7997-03	9.2803-02	8.7213+04	1.0245-03	6.8600-01
404	438.11	-2.1329+01	-1.7374+00	-5.7297-03	-1.7374+00	-5.7297-03	-8.1760-03	-1.3083-01	-1.2295+05	-1.4428-03	8.0100-01
405	481.95	3.2314+01	2.6953+00	9.2083-03	2.6953+00	9.2083-03	1.3140-02	2.1026-01	1.9759+05	2.3228-03	1.0510+00
406	476.22	3.4743+01	2.9042+00	9.8757-03	2.9042+00	9.8757-03	1.4092-02	2.2550-01	2.1191+05	2.4906-03	1.1670+00
407	477.91	3.8033+01	3.2397+00	1.1032-02	3.2397+00	1.1032-02	1.5742-02	2.5189-01	2.3672+05	2.7823-03	1.2830+00
408	467.69	1.7543+01	1.4321+00	4.8360-03	1.4321+00	4.8360-03	6.9038-03	1.1042-01	1.0377+05	1.2192-03	5.1300-01
409	446.45	2.3439+00	1.9203-01	6.3749-04	1.9203-01	6.3749-04	9.0967-04	1.4556-02	1.3679+04	1.6058-04	5.7000-01
410	461.00	1.0609+01	8.4649-01	2.8430-03	8.4649-01	2.8430-03	4.0569-03	6.4916-02	6.1006+04	7.1656-04	6.2800-01
411	448.33	2.8753+00	2.3588-01	7.8421-04	2.3588-01	7.8421-04	1.1190-03	1.7906-02	1.6828+04	1.9755-04	6.8600-01
412	478.51	1.4977+01	1.2464+00	4.2463-03	1.2464+00	4.2463-03	6.0593-03	9.6958-02	9.1117+04	1.0710-03	7.4400-01
413	445.01	4.1579+00	3.4234-01	1.1352-03	3.4234-01	1.1352-03	1.6198-03	2.5919-02	2.4358+04	2.8593-04	8.0100-01
414	473.61	2.5795+01	2.1398+00	7.2606-03	2.1398+00	7.2606-03	1.0361-02	1.6578-01	1.5580+05	1.8309-03	8.5900-01
415	445.08	5.0546+00	4.1373-01	1.3719-03	4.1373-01	1.3719-03	1.9577-03	3.1326-02	2.9439+04	3.4557-04	9.1700-01
416	468.08	1.3724+01	1.0995+00	3.5789-03	1.0995+00	3.5789-03	5.1070-03	8.1718-02	7.6796+04	9.0228-04	5.7000-01
417	479.81	3.1620+01	2.6337+00	8.9821-03	2.6337+00	8.9821-03	1.2817-02	2.0509-01	1.9274+05	2.2655-03	1.0520+00

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8.03137+01 4.72899-03 3.33662-01 4.40870+03 4.94016-06 6.50541-08 2.80873-02 7.72000+00 6.67980-06 7.51845-02

1	463.24	9.0509+00	1.5269+00	5.1376-03	1.5269+00	5.1376-03	7.3317-03	1.1731-01	1.1023+05	1.2948-03	4.1100-01
2	474.38	2.2665+01	3.8523+00	1.3080-02	3.8523+00	1.3080-02	1.8666-02	2.9865-01	2.8063+05	3.2979-03	7.1100-01
3	475.80	2.0010+01	3.4041+00	1.1572-02	3.4041+00	1.1572-02	1.6513-02	2.6422-01	2.4827+05	2.9178-03	1.3070+00
4	466.89	2.3102+01	3.9070+00	1.3185-02	3.9070+00	1.3185-02	1.8816-02	3.0105-01	2.8288+05	3.3234-03	1.6410+00
5	447.73	1.4257+01	2.4912+00	8.2785-03	2.4912+00	8.2785-03	1.1814-02	1.8903-01	1.7762+05	2.0851-03	1.7720+00
6	413.49	2.2535+00	3.6187-01	1.1705-03	3.6187-01	1.1705-03	1.6704-03	2.6727-02	2.5114+04	2.9444-04	2.4660+00
7	419.12	2.2561+00	3.6267-01	1.1783-03	3.6267-01	1.1783-03	1.6815-03	2.6904-02	2.5280+04	2.9645-04	3.0090+00
8	430.66	2.7600+00	4.4332-01	1.4534-03	4.4332-01	1.4534-03	2.0741-03	3.3186-02	3.1183+04	3.6583-04	3.3930+00
9	442.68	3.0416+00	4.9265-01	1.6305-03	4.9265-01	1.6305-03	2.3269-03	3.7231-02	3.4984+04	4.1061-04	3.7770+00
10	478.65	2.6842+00	4.4680-01	1.5223-03	4.4680-01	1.5223-03	2.1725-03	3.4760-02	3.2662+04	3.8390-04	3.3230+00
14	476.10	2.9728+01	5.0585+00	1.7199-02	5.0585+00	1.7199-02	2.4544-02	3.9272-01	3.6901+05	4.3369-03	1.0880+00
15	458.07	1.3564+01	2.2802+00	7.6404-03	2.2802+00	7.6404-03	1.0903-02	1.7446-01	1.6393+05	1.9252-03	1.3070+00
16	458.23	2.1882+01	3.6791+00	1.2329-02	3.6791+00	1.2329-02	1.7595-02	2.8152-01	2.6453+05	3.1067-03	1.6410+00
19	465.85	1.1000+01	1.6905+00	5.7000-03	1.6905+00	5.7000-03	8.1342-03	1.3015-01	1.2229+05	1.4367-03	4.1100-01
20	464.85	1.5947+01	2.5671+00	8.6490-03	2.5671+00	8.6490-03	1.2343-02	1.9749-01	1.8557+05	2.1799-03	7.1100-01
21	451.16	1.4237+01	2.3056+00	7.6825-03	2.3056+00	7.6825-03	1.0963-02	1.7542-01	1.6483+05	1.9353-03	1.0880+00
22	451.63	1.6071+01	2.6192+00	8.7308-03	2.6192+00	8.7308-03	1.2459-02	1.9935-01	1.8732+05	2.1994-03	1.3070+00
23	444.14	1.7203+01	2.7473+00	9.1034-03	2.7473+00	9.1034-03	1.2991-02	2.0786-01	1.9532+05	2.2926-03	1.6410+00
24	429.84	1.3226+00	2.1232-01	6.9561-04	2.1232-01	6.9561-04	9.9268-04	1.5883-02	1.4924+04	1.7508-04	3.0090+00
25	440.06	1.0660+00	1.6821-01	5.5556-04	1.6821-01	5.5556-04	7.9282-04	1.2685-02	1.1920+04	1.3989-04	3.3930+00
26	453.09	1.2681+00	2.0314-01	6.7795-04	2.0314-01	6.7795-04	9.6747-04	1.5480-02	1.4546+04	1.7079-04	3.7770+00
27	479.26	3.0705+01	4.9907+00	1.7013-02	4.9907+00	1.7013-02	2.4279-02	3.8847-01	3.6502+05	4.2904-03	7.1100-01
28	464.38	2.7962+01	4.5689+00	1.5387-02	4.5689+00	1.5387-02	2.1959-02	3.5135-01	3.3014+05	3.8782-03	1.0880+00
29	448.63	1.6332+01	2.6801+00	8.9127-03	2.6801+00	8.9127-03	1.2719-02	2.0351-01	1.9122+05	2.2450-03	1.3070+00
30	435.71	1.3077+01	2.1333+00	7.0217-03	2.1333+00	7.0217-03	1.0020-02	1.6033-01	1.5065+05	1.7678-03	1.6410+00
31	429.50	9.2686+00	1.5277+00	5.0039-03	1.5277+00	5.0039-03	7.1409-03	1.1426-01	1.0736+05	1.2595-03	1.7720+00
32	430.50	2.4821+00	4.0342-01	1.3224-03	4.0342-01	1.3224-03	1.8871-03	3.0195-02	2.8372+04	3.3286-04	2.4660+00
33	438.24	1.1512+00	1.8868-01	6.2227-04	1.8868-01	6.2227-04	8.8802-04	1.4209-02	1.3351+04	1.5668-04	3.0090+00
34	451.16	8.5299-01	1.3897-01	4.6307-04	1.3897-01	4.6307-04	6.6083-04	1.0573-02	9.9353+03	1.1665-04	3.3930+00
35	463.88	7.7662-01	1.2226-01	4.1158-04	1.2226-01	4.1158-04	5.8735-04	9.3978-03	8.8306+03	1.0373-04	3.7770+00
36	445.23	1.1878+01	1.9215+00	6.3725-03	1.9215+00	6.3725-03	9.0940-03	1.4551-01	1.3672+05	1.6049-03	1.3070+00
37	439.42	1.8618+00	3.0811-01	1.0171-03	3.0811-01	1.0171-03	1.4515-03	2.3225-02	2.1823+04	2.5611-04	2.4660+00
38	450.31	1.2878+00	2.0969-01	6.9824-04	2.0969-01	6.9824-04	9.9643-04	1.5943-02	1.4981+04	1.7589-04	3.0090+00
39	463.78	1.0140+00	1.6563-01	5.5754-04	1.6563-01	5.5754-04	7.9564-04	1.2730-02	1.1962+04	1.4052-04	3.3930+00
40	474.11	4.2390-01	6.9086-02	2.3452-04	6.9086-02	2.3452-04	3.3467-04	5.3548-03	5.0316+03	5.9130-05	3.7770+00
41	482.05	5.3351-01	8.5542-02	2.9227-04	8.5542-02	2.9227-04	4.1709-04	6.6736-03	6.2708+03	7.3715-05	4.1620+00
43	470.88	9.1065-01	1.5261-01	5.1669-04	1.5261-01	5.1669-04	7.3735-04	1.1798-02	1.1086+04	1.3026-04	5.3230+00
47	447.57	6.0036+00	9.6400-01	3.2030-03	9.6400-01	3.2030-03	4.5709-03	7.3136-02	6.8722+04	8.0675-04	7.1100-01
48	462.19	2.4442+01	4.0362+00	1.3569-02	4.0362+00	1.3569-02	1.9364-02	3.0983-01	2.9113+05	3.4197-03	1.0880+00
49	445.21	1.5298+01	2.5120+00	8.3307-03	2.5120+00	8.3307-03	1.1888-02	1.9022-01	1.7874+05	2.0981-03	1.3070+00
50	440.54	1.1220+01	1.8473+00	6.1037-03	1.8473+00	6.1037-03	8.7103-03	1.3937-01	1.3096+05	1.5369-03	1.6410+00
51	441.39	7.8530+00	1.3052+00	4.3154-03	1.3052+00	4.3154-03	6.1583-03	9.8535-02	9.2588+04	1.0867-03	1.7720+00
52	449.65	2.0286+00	3.3908-01	1.1285-03	3.3908-01	1.1285-03	1.6105-03	2.5768-02	2.4213+04	2.8426-04	2.4660+00
53	460.08	1.0213+00	1.6740-01	5.6183-04	1.6740-01	5.6183-04	8.0176-04	1.2828-02	1.2054+04	1.4158-04	3.0090+00
54	475.06	6.2494-01	1.0222-01	3.4728-04	1.0222-01	3.4728-04	4.9559-04	7.9295-03	7.4510+03	8.7564-05	3.3930+00
55	482.09	4.3065-01	6.9481-02	2.3741-04	6.9481-02	2.3741-04	3.3879-04	5.4208-03	5.0936+03	5.9877-05	3.7770+00
56	449.40	2.2125+00	3.3948-01	1.1296-03	3.3948-01	1.1296-03	1.6120-03	2.5793-02	2.4236+04	2.8454-04	4.1100-01
57	446.25	5.3766+00	8.5729-01	2.8455-03	8.5729-01	2.8455-03	4.0607-03	6.4972-02	6.1050+04	7.1666-04	7.1100-01
58	440.91	9.1709+00	1.4925+00	4.9330-03	1.4925+00	4.9330-03	7.0396-03	1.1264-01	1.0584+05	1.2422-03	1.0880+00
59	443.73	1.3199+01	2.1587+00	7.1507-03	2.1587+00	7.1507-03	1.0204-02	1.6327-01	1.5342+05	1.8008-03	1.3070+00
60	439.25	9.3626+00	1.5311+00	5.0536-03	1.5311+00	5.0536-03	7.2118-03	1.1539-01	1.0843+05	1.2724-03	1.6410+00
61	468.51	1.3657+00	2.2445-01	7.5846-04	2.2445-01	7.5846-04	1.0824-03	1.7318-02	1.6273+04	1.9119-04	3.0090+00
62	477.71	6.2909-01	1.0309-01	3.5097-04	1.0309-01	3.5097-04	5.0085-04	8.0137-03	7.5301+03	8.8503-05	3.3930+00
63	482.50	2.9663-01	4.7871-02	1.6362-04	4.7871-02	1.6362-04	2.3350-04	3.7360-03	3.5106+03	4.1268-05	3.7770+00
64	436.56	6.6203+00	1.0966+00	3.6119-03	1.0966+00	3.6119-03	5.1544-03	8.2472-02	7.7495+04	9.0936-04	1.0880+00
65	431.96	5.7553+00	9.5028-01	3.1186-03	9.5028-01	3.1186-03	4.4504-03	7.1208-02	6.6911+04	7.8562-04	1.3070+00
66	436.65	7.5901+00	1.2573+00	4.1416-03	1.2573+00	4.1416-03	5.9103-03	9.4567-02	8.8860+04	1.0427-03	1.6410+00
69	449.78	1.4104+00	2.3577-01	7.8476-04	2.3577-01	7.8476-04	1.1199-03	1.7919-02	1.6837+04	1.9768-04	4.1100-01
70	444.90	2.1351-01	3.5572-02	1.1794-04	3.5572-02	1.1794-04	1.6831-04	2.6930-03	2.5305+03	2.9703-05	7.1100-01
71	432.60	1.0031+00	1.6522-01	5.4248-04	1.6522-01	5.4248-04	7.7415-04	1.2387-02	1.1639+04	1.3656-04	1.3070+00
72	433.79	1.3169+00	2.1771-01	7.1552-04	2.1771-01	7.1552-04	1.0211-03	1.6338-02	1.5352+04	1.8012-04	1.6410+00
73	456.88	1.2753+00	2.0608-01	6.8986-04	2.0608-01	6.8986-04	9.8448-04	1.5752-02	1.4801+04	1.7382-04	3.7770+00
74	451.79	9.7350-01	1.5915-01	5.3058-04	1.5915-01	5.3058-04	7.5717-04	1.2115-02	1.1384+04	1.3366-04	5.3230+00
77	421.65	1.8301+00	2.9736-01	9.6800-04	2.9736-01	9.6800-04	1.3814-03	2.2103-02	2.0769+04	2.4357-04	3.0090+00
78	433.22	2.1101+00	3.4158-01	1.1221-03	3.4158-01	1.1221-03	1.6013-03	2.5621-02	2.4075+04	2.8247-04	3.3930+00
79	445.23	2.4795+00	3.9749-01	1.3182-03	3.9749-01	1.3182-03	1.8812-03	3.0100-02	2.8283+04	3.3200-04	3.7770+00
80	414.50	2.2655+00	3.7053-01	1.1995-03	3.7053-01	1.1995-03	1.7118-03	2.7389-02	2.5736+04	3.0174-04	2.4660+00
81	419.72	2.1813+00	3.5393-01	1.1504-03	3.5393-01	1.1504-03	1.6417-03	2.6268-02	2.4682+04	2.8945-04	3.0090+00
82	431.21	2.5579+00	4.1472-01	1.3602-03	4.1472-01	1.3602-03	1.9411-03	3.1058-02	2.9184+04	3.4238-04	3.3930+00
83	443.59	2.9808+00	4.8311-01	1.6001-03	4.8311-01	1.6001-03	2.2835-03	3.6536-02	3.4331+04	4.0297-04	3.7770+00
337	469.10	1.0466+01	1.9436+00	6.5709-03	1.9436+00	6.5709-03	9.3771-03	1.5004-01	1.4098+05	1.6564-03	7.1680+00
339	491.51	8.2753+00	1.5929+00	5.4853-03	1.5929+00	5.4853-03	7.8279-03	1.2525-01	1.1769+05	1.3840-03	8.1130+00
340	493.79	3.3855+00	6.3900-01	2.2046-03	6.3900-01	2.2046-03	3.1461-03	5.0339-02	4.7300+04	5.5629-04	8.6180+00
342	463.70	9.0551+00	1.7291+00	5.8203-03	1.7291+00	5.8203-03	8.3059-03	1.3290-01	1.2488+05	1.4669-03	7.1680+00
344	475.14	5.8431+00	1.1185+00	3.8002-03	1.1185+00	3.8002-03	5.4231-03	8.6771-02	8.1534+04	9.5820-04	8.1130+00
347	474.16	5.7626+00	1.0738+00	3.6452-03	1.0738+00	3.6452-03	5.2019-03	8.3231-02	7.8208+04	9.1907-04	7.1680+00
349	465.78	2.8016+00	5.3158-01	1.7923-03	5.3158-01	1.7923-03	2.5577-03	4.0924-02	3.8454+04	4.5175-04	8.1130+00
350	461.57	5.9377-01	1.0357-01	3.4801-04	1.0357-01	3.4801-04	4.9663-04	7.9461-03	7.4666+03	8.7701-05	8.6180+00
352	471.80	6.7532-01	1.2262-01	4.1547-04	1.2262-01	4.1547-04	5.9291-04	9.4867-03	8.9141+03	1.0475-04	7.1680+00
354	473.80	1.2764+00	2.4285-01	8.2415-04	2.4285-01	8.2415-04	1.1761-03	1.8818-02	1.7682+04	2.0779-04	8.1130+00
357	479.95	1.7481+00	3.1826-01	1.0855-03	3.1826-01	1.0855-03	1.5491-03	2.4786-02	2.3290+04	2.7376-04	7.1680+00
359	490.43	2.4457+00	4.3974-01	1.5129-03	4.3974-01	1.5129-03	2.1590-03	3.4545-02	3.2460+04	3.8170-04	8.1130+00
401	501.90	3.4344+01	2.9367+00	1.0201-02	2.9367+00	1.0201-02	1.4557-02	2.3291-01	2.1886+05	2.5747-03	4.5500-01
403	468.08	1.3965+01	1.1542+00	3.8987-03	1.1542+00	3.8987-03	5.5637-03	8.9021-02	8.3648+04	9.8277-04	6.8600-01
404	436.59	-1.0870+01	-8.8451-01	-2.9134-03	-8.8451-01	-2.9134-03	-4.1575-03	-6.6522-02	-6.2507+04	-7.3348-04	8.0100-01
405	489.83	3.0862+01	2.5875+00	8.8978-03	2.5875+00	8.8978-03	1.2698-02	2.0317-01	1.9090+05	2.2448-03	1.0510+00
406	484.69	3.3177+01	2.7888+00	9.5494-03	2.7888+00	9.5494-03	1.3628-02	2.1804-01	2.0488+05	2.4087-03	1.1670+00
407	487.14	3.6059+01	3.0902+00	1.0603-02	3.0902+00	1.0603-02	1.5131-02	2.4210-01	2.2748+05	2.6747-03	1.2830+00
408	472.06	1.7428+01	1.4269+00	4.8356-03	1.4269+00	4.8356-03	6.9007-03	1.1041-01	1.0375+05	1.2191-03	5.1300-01
409	447.05	2.6120+00	2.1468-01	7.1102-04	2.1468-01	7.1102-04	1.0147-03	1.6235-02	1.5255+04	1.7908-04	5.7000-01
410	463.69	1.0868+01	8.6870-01	2.9240-03	8.6870-01	2.9240-03	4.1727-03	6.6765-02	6.2736+04	7.3694-04	6.2800-01
411	449.05	3.0639+00	2.5147-01	8.3654-04	2.5147-01	8.3654-04	1.1938-03	1.9101-02	1.7948+04	2.1071-04	6.8600-01
412	482.25	1.4879+01	1.2413+00	4.2420-03	1.2413+00	4.2420-03	6.0536-03	9.6860-02	9.1014+04	1.0699-03	7.4400-01
413	446.03	4.4800+00	3.6912-01	1.2250-03	3.6912-01	1.2250-03	1.7481-03	2.7970-02	2.6282+04	3.0851-04	8.0100-01
414	480.03	2.5470+01	2.1218+00	7.2375-03	2.1218+00	7.2375-03	1.0328-02	1.6526-01	1.5528+05	1.8252-03	8.5900-01
415	446.37	5.3798+00	4.4073-01	1.4630-03	4.4073-01	1.4630-03	2.0878-03	3.3405-02	3.1389+04	3.6847-04	9.1700-01
416	471.47	1.3475+01	1.0426+00	3.5317-03	1.0426+00	3.5317-03	5.0399-03	8.0641-02	7.5774+04	8.9037-04	5.7000-01
417	487.61	3.0807+01	2.5792+00	8.8528-03	2.5792+00	8.8528-03	1.2633-02	2.0214-01	1.8994+05	2.2333-03	1.0520+00

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8.02957+01 4.72913-03 3.33672-01 4.40821+03 4.94141-06 6.50395-08 2.80976-02 7.72060+00 6.67809-06 7.51869-02

1	467.86	9.5777+00	1.6208+00	5.4740-03	1.6208+00	5.4740-03	7.8106-03	1.2499-01	1.1748+05	1.3802-03	4.1100-01
2	485.65	2.2368+01	3.8300+00	1.3125-02	3.8300+00	1.3125-02	1.8728-02	2.9969-01	2.8168+05	3.3118-03	7.1100-01
3	485.89	2.0011+01	3.4270+00	1.1746-02	3.4270+00	1.1746-02	1.6760-02	2.6821-01	2.5208+05	2.9639-03	1.3070+00
4	478.40	2.2904+01	3.9033+00	1.3297-02	3.9033+00	1.3297-02	1.8972-02	3.0361-01	2.8536+05	3.3541-03	1.6410+00
5	454.65	1.3876+01	2.4363+00	8.1409-03	2.4363+00	8.1409-03	1.1616-02	1.8588-01	1.7471+05	2.0516-03	1.7720+00
6	414.59	2.2358+00	3.5931-01	1.1633-03	3.5931-01	1.1633-03	1.6598-03	2.6562-02	2.4965+04	2.9271-04	2.4660+00
7	420.26	2.2987+00	3.6962-01	1.2026-03	3.6982-01	1.2026-03	1.7159-03	2.7459-02	2.5808+04	3.0266-04	3.0090+00
8	432.06	2.7901+00	4.4860-01	1.4723-03	4.4860-01	1.4723-03	2.1008-03	3.3618-02	3.1597+04	3.7071-04	3.3930+00
9	444.21	3.0551+00	4.9536-01	1.6415-03	4.9536-01	1.6415-03	2.3422-03	3.7481-02	3.5228+04	4.1351-04	3.7770+00
10	479.99	2.6831+00	4.4702-01	1.5248-03	4.4702-01	1.5248-03	2.1756-03	3.4815-02	3.2723+04	3.8465-04	5.3230+00
14	490.39	2.7617+01	4.7435+00	1.6319-02	4.7435+00	1.6319-02	2.3285-02	3.7262-01	3.5022+05	4.1185-03	1.0880+00
15	464.93	1.3750+01	2.3223+00	7.8247-03	2.3223+00	7.8247-03	1.1165-02	1.7866-01	1.6792+05	1.9727-03	1.3070+00
16	469.20	2.1766+01	3.6866+00	1.2465-02	3.6866+00	1.2465-02	1.7785-02	2.8461-01	2.6750+05	3.1431-03	1.6410+00
19	471.13	1.0263+01	1.5828+00	5.3598-03	1.5828+00	5.3598-03	7.6477-03	1.2238-01	1.1503+05	1.3516-03	4.1100-01
20	473.17	1.7165+01	2.7786+00	9.4251-03	2.7786+00	9.4251-03	1.3448-02	2.1521-01	2.0227+05	2.3770-03	7.1100-01
21	458.28	1.4617+01	2.3786+00	7.9712-03	2.3786+00	7.9712-03	1.1374-02	1.8201-01	1.7107+05	2.0091-03	1.0880+00
22	459.61	1.6156+01	2.6473+00	8.8813-03	2.6473+00	8.8813-03	1.2672-02	2.0279-01	1.9060+05	2.2387-03	1.3070+00
23	452.52	1.6668+01	2.6772+00	8.9307-03	2.6772+00	8.9307-03	1.2743-02	2.0392-01	1.9166+05	2.2505-03	1.6410+00
24	430.48	1.3205+00	2.1208-01	6.9518-04	2.1208-01	6.9518-04	9.9192-04	1.5873-02	1.4919+04	1.7503-04	3.0090+00
25	440.59	1.0940+00	1.7270-01	5.7062-04	1.7270-01	5.7062-04	8.1420-04	1.3029-02	1.2246+04	1.4373-04	3.3930+00
26	453.78	1.3662+00	2.1897-01	7.3118-04	2.1897-01	7.3118-04	1.0433-03	1.6695-02	1.5692+04	1.8426-04	3.7770+00
27	494.19	2.8947+01	4.7510+00	1.6397-02	4.7510+00	1.6397-02	2.3396-02	3.7439-01	3.5189+05	4.1387-03	7.1100-01
28	478.21	2.7183+01	4.4829+00	1.5269-02	4.4829+00	1.5269-02	2.1786-02	3.4864-01	3.2768+05	3.8515-03	1.0880+00
29	456.50	1.5861+01	2.6168+00	8.7573-03	2.6168+00	8.7573-03	1.2495-02	1.9996-01	1.8794+05	2.2071-03	1.3070+00
30	442.22	1.2920+01	2.1172+00	7.0047-03	2.1172+00	7.0047-03	9.9947-03	1.5994-01	1.5033+05	1.7644-03	1.6410+00
31	434.15	9.2810+00	1.5348+00	5.0454-03	1.5348+00	5.0454-03	7.1991-03	1.1520-01	1.0828+05	1.2705-03	1.7720+00
32	431.74	2.4805+00	4.0352-01	1.3240-03	4.0352-01	1.3240-03	1.8892-03	3.0232-02	2.8414+04	3.3337-04	2.4660+00
33	438.81	1.1927+00	1.9556-01	6.4528-04	1.9556-01	6.4528-04	9.2072-04	1.4734-02	1.3848+04	1.6252-04	3.0090+00
34	451.56	8.6701-01	1.4129-01	4.7097-04	1.4129-01	4.7097-04	6.7201-04	1.0754-02	1.0107+04	1.1868-04	3.3930+00
35	464.26	7.9377-01	1.2499-01	4.2091-04	1.2499-01	4.2091-04	6.0058-04	9.6107-03	9.0330+03	1.0611-04	3.7770+00
36	451.02	1.1262+01	1.8291+00	6.0942-03	1.8291+00	6.0942-03	8.6956-03	1.3915-01	1.3079+05	1.5356-03	1.3070+00
37	440.39	1.9216+00	3.1821-01	1.0513-03	3.1821-01	1.0513-03	1.5000-03	2.4005-02	2.2562+04	2.6479-04	2.4660+00
38	450.96	1.2364+00	2.0140-01	6.7100-04	2.0140-01	6.7100-04	9.5743-04	1.5321-02	1.4400+04	1.6908-04	3.0090+00
39	464.26	8.7013-01	1.4217-01	4.7875-04	1.4217-01	4.7875-04	6.8311-04	1.0932-02	1.0274+04	1.2070-04	3.3930+00
40	474.37	5.6987-01	9.2891-02	3.1539-04	9.2891-02	3.1539-04	4.5002-04	7.2015-03	6.7686+03	7.9545-05	3.7770+00
41	482.33	5.4805-01	8.7889-02	3.0036-04	8.7889-02	3.0036-04	4.2858-04	6.8563-03	6.4461+03	7.5779-05	4.1620+00
43	471.34	9.3818-01	1.5727-01	5.3267-04	1.5727-01	5.3267-04	7.6005-04	1.2163-02	1.1432+04	1.3433-04	5.3230+00
47	450.51	5.5242+00	8.8860-01	2.9601-03	8.8880-01	2.9601-03	4.2236-03	6.7589-02	6.3526+04	7.4586-04	7.1100-01
48	474.28	2.3658+01	3.9384+00	1.3371-02	3.9384+00	1.3371-02	1.9078-02	3.0530-01	2.8695+05	3.3723-03	1.0880+00
49	452.70	1.4931+01	2.4644+00	8.2221-03	2.4644+00	8.2221-03	1.1732-02	1.8774-01	1.7645+05	2.0719-03	1.3070+00
50	446.16	1.1128+01	1.8394+00	6.1047-03	1.8394+00	6.1047-03	8.7106-03	1.3939-01	1.3101+05	1.5380-03	1.6410+00
51	445.32	7.7761+00	1.2959+00	4.2982-03	1.2959+00	4.2982-03	6.1329-03	9.8141-02	9.2242+04	1.0828-03	1.7720+00
52	450.65	2.0384+00	3.4096-01	1.1357-03	3.4096-01	1.1357-03	1.6205-03	2.5932-02	2.4373+04	2.8616-04	2.4660+00
53	460.59	1.0145+00	1.6635-01	5.5853-04	1.6635-01	5.5853-04	7.9695-04	1.2753-02	1.1987+04	1.4079-04	3.0090+00
54	475.39	6.4312-01	1.0522-01	3.5756-04	1.0522-01	3.5756-04	5.1018-04	8.1642-03	7.6734+03	9.0183-05	3.3930+00
55	482.32	5.1273-01	8.2736-02	2.8275-04	8.2736-02	2.8275-04	4.0344-04	6.4561-03	6.0680+03	7.1335-05	3.7770+00
56	450.44	2.0078+00	3.0830-01	1.0267-03	3.0830-01	1.0267-03	1.4650-03	2.3443-02	2.2034+04	2.5870-04	4.1100-01
57	448.90	5.2919+00	8.4533-01	2.8117-03	8.4533-01	2.8117-03	4.0119-03	6.4201-02	6.0341+04	7.0843-04	7.1100-01
58	445.54	9.4384+00	1.5410+00	5.1119-03	1.5410+00	5.1119-03	7.2939-03	1.1672-01	1.0970+05	1.2878-03	1.0880+00
59	450.15	1.2372+01	2.0325+00	6.7672-03	2.0325+00	6.7672-03	9.6558-03	1.5452-01	1.4523+05	1.7051-03	1.3070+00
60	443.90	9.2665+00	1.5202+00	5.0364-03	1.5202+00	5.0364-03	7.1863-03	1.1500-01	1.0809+05	1.2687-03	1.6410+00
61	469.16	1.3288+00	2.1849-01	7.3869-04	2.1849-01	7.3869-04	1.0540-03	1.6867-02	1.5853+04	1.8627-04	3.0090+00
62	478.04	6.8779-01	1.1273-01	3.8390-04	1.1273-01	3.8390-04	5.4777-04	8.7656-03	8.2387+03	9.6836-05	3.3930+00
63	482.66	3.3610-01	5.4247-02	1.8544-04	5.4247-02	1.8544-04	2.6460-04	4.2343-03	3.9797+03	4.6786-05	3.7770+00
64	439.90	6.6099+00	1.0974+00	3.6242-03	1.0974+00	3.6242-03	5.1713-03	8.2753-02	7.7779+04	9.1283-04	1.0880+00
65	434.84	5.8603+00	9.6956-01	3.1891-03	9.6956-01	3.1891-03	4.5504-03	7.2818-02	6.8441+04	8.0308-04	1.3070+00
66	440.43	7.5413+00	1.2526+00	4.1382-03	1.2526+00	4.1382-03	5.9046-03	9.4489-02	8.8809+04	1.0423-03	1.6410+00
69	450.45	1.3740+00	2.2960-01	7.6529-04	2.2980-01	7.6529-04	1.0920-03	1.7474-02	1.6424+04	1.9283-04	4.1100-01
70	445.00	2.4987-01	4.1633-02	1.3805-04	4.1633-02	1.3805-04	1.9697-04	3.1521-03	2.9626+03	3.4777-05	7.1100-01
71	433.13	9.9792-01	1.6442-01	5.4010-04	1.6442-01	5.4010-04	7.7064-04	1.2332-02	1.1591+04	1.3600-04	1.3070+00
72	434.48	1.5039+00	2.4875-01	8.1796-04	2.4875-01	8.1796-04	1.1671-03	1.8677-02	1.7554+04	2.0598-04	1.6410+00
73	457.51	1.2665+00	2.0474-01	6.8573-04	2.0474-01	6.8573-04	9.7844-04	1.5657-02	1.4716+04	1.7283-04	3.7770+00
74	452.17	1.0348+00	1.6921-01	5.6431-04	1.6921-01	5.6431-04	8.0519-04	1.2885-02	1.2111+04	1.4220-04	5.3230+00
77	422.58	1.7906+00	2.9113-01	9.4843-04	2.9113-01	9.4843-04	1.3533-03	2.1656-02	2.0354+04	2.3872-04	3.0090+00
78	434.27	2.0966+00	3.3964-01	1.1167-03	3.3964-01	1.1167-03	1.5933-03	2.5497-02	2.3964+04	2.8119-04	3.3930+00
79	446.48	2.4649+00	3.9549-01	1.3129-03	3.9549-01	1.3129-03	1.8734-03	2.9979-02	2.8177+04	3.3077-04	3.7770+00
80	415.65	2.2805+00	3.7330-01	1.2096-03	3.7330-01	1.2096-03	1.7259-03	2.7618-02	2.5958+04	3.0436-04	2.4660+00
81	420.81	2.1735+00	3.5293-01	1.1482-03	3.5293-01	1.1482-03	1.6383-03	2.6216-02	2.4640+04	2.8897-04	3.0090+00
82	432.49	2.5927+00	4.2074-01	1.3813-03	4.2074-01	1.3813-03	1.9710-03	3.1541-02	2.9645+04	3.4782-04	3.3930+00
83	445.06	2.9501+00	4.7863-01	1.5871-03	4.7863-01	1.5871-03	2.2646-03	3.6240-02	3.4061+04	3.9983-04	3.7770+00
337	474.31	1.0454+01	1.9481+00	6.6142-03	1.9481+00	6.6142-03	9.4376-03	1.5102-01	1.4195+05	1.6682-03	7.1680+00
339	495.62	8.1803+00	1.5788+00	5.4553-03	1.5788+00	5.4553-03	7.7840-03	1.2456-01	1.1708+05	1.3771-03	8.1130+00
340	495.50	3.4156+00	6.4540-01	2.2298-03	6.4540-01	2.2298-03	3.1817-03	5.0915-02	4.7854+04	5.6286-04	8.6180+00
342	468.26	9.0010+00	1.7241+00	5.8248-03	1.7241+00	5.8248-03	8.3112-03	1.3300-01	1.2500+05	1.4687-03	7.1680+00
344	478.05	5.7247+00	1.0980+00	3.7392-03	1.0980+00	3.7392-03	5.3354-03	8.5379-02	8.0247+04	9.4321-04	8.1130+00
347	477.03	5.7636+00	1.0760+00	3.6614-03	1.0760+00	3.6614-03	5.2243-03	8.3602-02	7.8576+04	9.2353-04	7.1680+00
349	467.20	2.8514+00	5.4156-01	1.8280-03	5.4156-01	1.8280-03	2.6084-03	4.1740-02	3.9231+04	4.6092-04	8.1130+00
350	461.84	5.7818-01	1.0087-01	3.3901-04	1.0087-01	3.3901-04	4.8372-04	7.7407-03	7.2754+03	8.5459-05	8.6180+00
352	472.11	6.9766-01	1.2671-01	4.2942-04	1.2671-01	4.2942-04	6.1272-04	9.8050-03	9.2156+03	1.0829-04	7.1680+00
354	474.44	1.3117+00	2.4967-01	8.4776-04	2.4967-01	8.4776-04	1.2096-03	1.9357-02	1.8194+04	2.1362-04	8.1130+00
357	480.79	1.6987+00	3.0944-01	1.0562-03	3.0944-01	1.0562-03	1.5070-03	2.4116-02	2.2667+04	2.6645-04	7.1680+00
359	491.66	2.4442+00	4.3981-01	1.5147-03	4.3981-01	1.5147-03	2.1613-03	3.4586-02	3.2507+04	3.8229-04	8.1130+00
401	518.01	3.0262+01	2.6142+00	9.2045-03	2.6142+00	9.2045-03	1.3134-02	2.1017-01	1.9754+05	2.3255-03	4.5500-01
403	474.78	1.2978+01	1.0773+00	3.6591-03	1.0773+00	3.6591-03	5.2211-03	8.3551-02	7.8528+04	9.2289-04	6.8600-01
404	431.57	-1.6849+01	-1.3662+00	-4.4822-03	-1.3662+00	-4.4822-03	-6.3954-03	-1.0234-01	-9.6191+04	-1.1286-03	8.0100-01
405	504.59	2.8498+01	2.4121+00	8.3973-03	2.4121+00	8.3973-03	1.1982-02	1.9174-01	1.8021+05	2.1205-03	1.0510+00
406	500.50	3.0354+01	2.5778+00	8.9435-03	2.5778+00	8.9435-03	1.2761-02	2.0421-01	1.9193+05	2.2580-03	1.1670+00
407	504.28	3.2985+01	2.8582+00	9.9478-03	2.8582+00	9.9478-03	1.4194-02	2.2714-01	2.1349+05	2.5119-03	1.2830+00
408	480.70	1.7055+01	1.4044+00	4.7930-03	1.4044+00	4.7930-03	6.8390-03	1.0944-01	1.0286+05	1.2092-03	5.1300-01
409	448.45	2.8696+00	2.3543-01	7.8280-04	2.3543-01	7.8280-04	1.1169-03	1.7874-02	1.6794+04	1.9723-04	5.7000-01
410	469.20	1.1068+01	8.8796-01	3.0022-03	8.8756-01	3.0022-03	4.2838-03	6.8551-02	6.4430+04	7.5704-04	6.2800-01
411	450.70	3.2509+00	2.6712-01	8.8978-04	2.6712-01	8.8978-04	1.2696-03	2.0317-02	1.9095+04	2.2420-04	6.8600-01
412	489.82	1.5594+01	1.3074+00	4.4958-03	1.3074+00	4.4958-03	6.4149-03	1.0266-01	9.6684+04	1.1346-03	7.4400-01
413	448.41	5.2073+00	4.2974-01	1.4288-03	4.2974-01	1.4288-03	2.0387-03	3.2625-02	3.0664+04	3.6000-04	8.0100-01
414	492.55	2.4602+01	2.0663+00	7.1215-03	2.0663+00	7.1215-03	1.0161-02	1.6261-01	1.5283+05	1.7974-03	8.5900-01
415	449.28	6.0810+00	4.9919-01	1.6609-03	4.9919-01	1.6609-03	2.3698-03	3.7924-02	3.5644+04	4.1848-04	9.1700-01
416	478.13	1.3245+01	1.0294+00	3.5058-03	1.0294+00	3.5058-03	5.0023-03	8.0049-02	7.5237+04	8.8433-04	5.7000-01
417	502.57	2.9179+01	2.4666+00	8.5722-03	2.4666+00	8.5722-03	1.2231-02	1.9573-01	1.8397+05	2.1644-03	1.0520+00

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15 1 11.98 -.02 .00 -.00 402 1 1.95 10.10 474.3 1731.2

8.41960+01 1.01213-02 7.22162-01 4.53934+03 1.00857-05 6.81987-08 5.63190-02 7.72000+00 7.04862-06 7.46947-02

1	462.32	1.1366+00	1.9163-01	5.9421-04	1.9163-01	5.9421-04	4.0340-04	9.3017-03	1.2082+04	1.5103-04	4.1100-01	
2	457.12	1.8530+00	3.1131-01	9.6159-04	3.1131-01	9.6159-04	6.5281-04	1.5052-02	1.9552+04	2.4434-04	7.1100-01	
3	450.85	3.0524+00	8.4522-01	2.5986-03	8.4522-01	2.5986-03	1.7642-03	4.0678-02	5.2837+04	6.6015-04	1.3070+00	
4	449.40	1.5471+01	2.5855+00	7.9406-03	2.5855+00	7.9406-03	5.3908-03	1.2430-01	1.6145+05	2.0171-03	1.6410+00	
5	446.29	2.3513+01	4.1046+00	1.2577-02	4.1046+00	1.2577-02	8.5366-03	1.9668-01	2.5573+05	3.1945-03	1.7720+00	
6	440.85	1.9205+00	3.1441-01	9.5958-04	3.1441-01	9.5958-04	6.5144-04	1.5021-02	1.9511+04	2.4367-04	2.4660+00	
7	447.76	1.4073+00	2.3080-01	7.0799-04	2.3080-01	7.0799-04	4.8064-04	1.1083-02	1.4395+04	1.7983-04	3.0090+00	
8	454.07	1.2436+00	2.0362-01	6.2567-04	2.0302-01	6.2567-04	4.2476-04	9.7941-03	1.2722+04	1.5897-04	3.3930+00	
9	460.42	1.0826+00	1.7749-01	5.4959-04	1.7749-01	5.4959-04	3.7311-04	8.6031-03	1.1175+04	1.3967-04	3.7770+00	
10	458.49	8.0883-01	1.3283-01	4.1072-04	1.3283-01	4.1072-04	2.7883-04	6.4292-03	8.3509+03	1.0437-04	5.3230+00	
14	451.81	2.8265+00	4.7315-01	1.4557-03	4.7315-01	1.4557-03	9.8828-04	2.2788-02	2.9599+04	3.6983-04	1.0880+00	
15	450.91	5.3127+00	8.8879-01	2.7327-03	8.8879-01	2.7327-03	1.8552-03	4.2778-02	5.5564+04	6.9422-04	1.3070+00	
16	449.75	1.8458+01	3.0855+00	9.4788-03	3.0855+00	9.4788-03	6.4351-03	1.4838-01	1.9273+05	2.4079-03	1.6410+00	
19	463.27	1.1356+00	1.7421-01	5.4059-04	1.7421-01	5.4059-04	3.6700-04	8.4622-03	1.0992+04	1.3740-04	4.1100-01	
20	460.77	1.9081+00	3.0632-01	9.4875-04	3.0632-01	9.4875-04	6.4409-04	1.4851-02	1.9291+04	2.4112-04	7.1100-01	
21	452.25	3.0483+00	4.9402-01	1.5205-03	4.9402-01	1.5205-03	1.0322-03	2.3801-02	3.0915+04	3.8628-04	1.0880+00	
22	449.04	5.7818+00	9.4061-01	2.8881-03	9.4061-01	2.8881-03	1.9607-03	4.5209-02	5.8722+04	7.3362-04	1.3070+00	
23	447.32	1.8045+01	2.8862+00	8.8566-03	2.8882+00	8.8566-03	6.0127-03	1.3864-01	1.8008+05	2.2496-03	1.6410+00	
24	449.21	1.4655+00	2.3843-01	7.3219-04	2.3843-01	7.3219-04	4.9707-04	1.1461-02	1.4887+04	1.8599-04	3.0090+00	
25	456.01	1.3610+00	2.1713-01	6.7013-04	2.1713-01	6.7013-04	4.5494-04	1.0490-02	1.3626+04	1.7028-04	3.3930+00	
26	462.32	1.2213+00	1.9688-01	6.1048-04	1.9688-01	6.1048-04	4.1445-04	9.5563-03	1.2413+04	1.5516-04	3.7770+00	
27	460.77	1.6099+00	2.5845-01	8.0049-04	2.5845-01	8.0049-04	5.4344-04	1.2531-02	1.6276+04	2.0344-04	7.1100-01	
28	452.88	3.2478+00	5.2657-01	1.6214-03	5.2657-01	1.6214-03	1.1007-03	2.5381-02	3.2967+04	4.1193-04	1.0880+00	
29	449.85	5.2582+00	8.6361-01	2.6532-03	8.6361-01	2.6532-03	1.8013-03	4.1533-02	5.3948+04	6.7400-04	1.3070+00	
30	448.92	2.0779+01	3.4207+00	1.0502-02	3.4207+00	1.0502-02	7.1297-03	1.6440-01	2.1353+05	2.6677-03	1.6410+00	
31	446.02	2.6313+01	4.3873+00	1.3441-02	4.3873+00	1.3441-02	9.1249-03	2.1040-01	2.7329+05	3.4138-03	1.7720+00	
32	442.64	1.9870+00	3.2570-01	9.9534-04	3.2570-01	9.9534-04	6.7573-04	1.5581-02	2.0238+04	2.5277-04	2.4660+00	
33	450.40	1.6452+00	2.7192-01	8.3575-04	2.7192-01	8.3575-04	5.6738-04	1.3083-02	1.6993+04	2.1231-04	3.0090+00	
34	457.11	1.3818+00	2.2804-01	6.9820-04	2.2804-01	6.9820-04	4.7400-04	1.0929-02	1.4196+04	1.7742-04	3.3930+00	
35	462.83	1.3486+00	2.1215-01	6.5807-04	2.1215-01	6.5807-04	4.4676-04	1.0301-02	1.3380+04	1.6726-04	3.7770+00	
36	451.95	4.5621+00	7.4143-01	2.2814-03	7.4143-01	2.2814-03	1.5488-03	3.5712-02	4.6387+04	5.7959-04	1.3070+00	
37	443.59	1.9995+00	3.3185-01	1.0148-03	3.3185-01	1.0148-03	6.8897-04	1.5886-02	2.0635+04	2.5773-04	2.4660+00	
38	452.31	1.2930+00	2.1082-01	6.4887-04	2.1082-01	6.4887-04	4.4051-04	1.0157-02	1.3193+04	1.6485-04	3.0090+00	
39	458.76	1.3106+00	2.1335-01	6.5981-04	2.1335-01	6.5981-04	4.4793-04	1.0328-02	1.3416+04	1.6767-04	3.3930+00	
40	463.34	1.2551+00	2.0308-01	6.3019-04	2.0308-01	6.3019-04	4.2782-04	9.8648-03	1.2813+04	1.6018-04	3.7770+00	
41	465.43	1.2535+00	1.9878-01	6.1780-04	1.9878-01	6.1780-04	4.1942-04	9.6709-03	1.2561+04	1.5704-04	4.1620+00	
43	460.90	9.3455-01	1.5557-01	4.8188-04	1.5557-01	4.8188-04	3.2714-04	7.5433-03	9.7980+03	1.2247-04	5.3230+00	
47	459.75	1.8519+00	2.9984-01	9.2798-04	2.9984-01	9.2798-04	6.2999-04	1.4526-02	1.8868+04	2.3583-04	7.1100-01	
48	452.59	2.8296+00	4.6423-01	1.4291-03	4.6423-01	1.4291-03	9.7020-04	2.2371-02	2.9058+04	3.6307-04	1.0880+00	
49	447.74	6.1309+00	1.0085+00	3.0935-03	1.0085+00	3.0935-03	2.1001-03	4.8425-02	6.2899+04	7.8576-04	1.3070+00	
50	446.97	2.0071+01	3.3193+00	1.0176-02	3.3193+00	1.0176-02	6.9084-03	1.5929-01	2.0691+05	2.5847-03	1.6410+00	
51	446.85	2.6883+01	4.4849+00	1.3748-02	4.4849+00	1.3748-02	9.3336-03	2.1521-01	2.7954+05	3.4920-03	1.7720+00	
52	446.29	2.0618+00	3.4384-01	1.0536-03	3.4384-01	1.0536-03	7.1527-04	1.6493-02	2.1422+04	2.6760-04	2.4660+00	
53	453.60	1.4971+00	2.4432-01	7.5270-04	2.4432-01	7.5270-04	5.1100-04	1.1783-02	1.5304+04	1.9124-04	3.0090+00	
54	460.21	1.4036+00	2.2733-01	7.0380-04	2.2733-01	7.0380-04	4.7780-04	1.1017-02	1.4310+04	1.7886-04	3.3930+00	
55	462.26	1.3044+00	2.0769-01	6.4399-04	2.0769-01	6.4399-04	4.3720-04	1.0081-02	1.3094+04	1.6368-04	3.7770+00	
56	460.92	5.7299-01	8.8611-02	2.7448-04	8.8611-02	2.7448-04	1.8634-04	4.2966-03	5.5809+03	6.9758-05	4.1100-01	
57	459.60	1.8670+00	3.0042-01	9.2964-04	3.0042-01	9.2964-04	6.3112-04	1.4552-02	1.8902+04	2.3625-04	7.1100-01	
58	449.52	3.2400+00	5.3044-01	1.6293-03	5.3044-01	1.6293-03	1.1061-03	2.5504-02	3.3127+04	4.1387-04	1.0880+00	
59	442.88	5.4156+00	8.8521-01	2.7057-03	8.8521-01	2.7057-03	1.8368-03	4.2354-02	5.5013+04	6.8711-04	1.3070+00	
60	445.80	2.2159+01	3.6402+00	1.1150-02	3.6402+00	1.1150-02	7.5698-03	1.7454-01	2.2672+05	2.8320-03	1.6410+00	
61	459.30	1.4899+00	2.4335-01	7.5288-04	2.4335-01	7.5288-04	5.1112-04	1.1785-02	1.5308+04	1.9133-04	3.0090+00	
62	463.21	1.4135+00	2.2939-01	7.1177-04	2.2939-01	7.1177-04	4.8321-04	1.1142-02	1.4472+04	1.8091-04	3.3930+00	
63	464.14	1.4260+00	2.2734-01	7.0589-04	2.2734-01	7.0589-04	4.7922-04	1.1050-02	1.4353+04	1.7942-04	3.7770+00	
64	448.70	3.3231+00	5.5510-01	1.7040-03	5.5510-01	1.7040-03	1.1568-03	2.6674-02	3.4646+04	4.3283-04	1.0880+00	
65	442.23	5.5527+00	9.2342-01	2.8211-03	9.2342-01	2.8211-03	1.9152-03	4.4161-02	5.7361+04	7.1641-04	1.3070+00	
66	443.38	2.2356+01	3.7207+00	1.1377-02	3.7207+00	1.1377-02	7.7235-03	1.7809-01	2.3132+05	2.8892-03	1.6410+00	
69	461.10	1.1257+00	1.8964-01	5.8749-04	1.8964-01	5.8749-04	3.9884-04	9.1964-03	1.1945+04	1.4931-04	4.1100-01	
70	453.97	1.9449+00	3.2606-01	1.0048-03	3.2606-01	1.0048-03	6.8214-04	1.5729-02	2.0430+04	2.5529-04	7.1100-01	
71	440.19	5.3377+00	8.8380-01	2.6961-03	8.8380-01	2.6961-03	1.8303-03	4.2203-02	5.4818+04	6.8459-04	1.3070+00	
72	442.66	2.2495+01	3.7420+00	1.1436-02	3.7420+00	1.1436-02	7.7636-03	1.7901-01	2.3252+05	2.9041-03	1.6410+00	
73	465.99	1.6151+00	2.6259-01	8.1648-04	2.6259-01	8.1648-04	5.5430-04	1.2781-02	1.6601+04	2.0755-04	3.7770+00	
74	467.68	1.3616+00	2.2499-01	7.0046-04	2.2499-01	7.0046-04	4.7553-04	1.0965-02	1.4242+04	1.7807-04	5.3230+00	
77	451.60	1.2566+00	2.0848-01	6.4134-04	2.0848-01	6.4134-04	4.3540-04	1.0039-02	1.3040+04	1.6293-04	3.0090+00	
78	457.69	1.2410+00	2.0431-01	6.3135-04	2.0431-01	6.3135-04	4.2862-04	9.8830-03	1.2837+04	1.6043-04	3.3930+00	
79	461.52	1.1268+00	1.8265-01	5.6602-04	1.8265-01	5.6602-04	3.8426-04	8.8603-03	1.1509+04	1.4385-04	3.7770+00	
80	443.11	2.0026+00	3.3421-01	1.0217-03	3.3421-01	1.0217-03	6.9361-04	1.5993-02	2.0774+04	2.5946-04	2.4660+00	
81	449.27	1.4317+00	2.3715-01	7.2827-04	2.3715-01	7.2827-04	4.9441-04	1.1400-02	1.4808+04	1.8500-04	3.0090+00	
82	455.39	1.2125+00	1.9989-01	6.1664-04	1.9989-01	6.1664-04	4.1863-04	9.6527-03	1.2538+04	1.5668-04	3.3930+00	
83	460.66	1.0660+00	1.7479-01	5.4133-04	1.7479-01	5.4133-04	3.6750-04	8.4739-03	1.1007+04	1.3758-04	3.7770+00	
337	463.39	1.3325+01	2.4651+00	7.6497-03	2.4651+00	7.6497-03	5.1933-03	1.1975-01	1.5554+05	1.9444-03	7.1680+00	
339	465.36	1.2369+01	2.3401+00	7.2727-03	2.3401+00	7.2727-03	4.9374-03	1.1385-01	1.4787+05	1.8487-03	8.1130+00	
340	472.45	2.5309+00	4.7106-01	1.4718-03	4.7106-01	1.4718-03	9.9918-04	2.3039-02	2.9925+04	3.7424-04	8.6180+00	
342	462.85	1.4830+01	2.8302+00	8.7794-03	2.8302+00	8.7794-03	5.9602-03	1.3743-01	1.7851+05	2.2314-03	7.1680+00	
344	465.03	1.3751+01	2.6147+00	8.1240-03	2.6147+00	8.1240-03	5.5152-03	1.2717-01	1.6518+05	2.0650-03	8.1130+00	
347	457.61	1.6048+01	2.9573+00	9.1378-03	2.9573+00	9.1378-03	6.2035-03	1.4304-01	1.8580+05	2.3220-03	7.1680+00	
349	460.10	1.3751+01	2.5991+00	8.0461-03	2.5991+00	8.0461-03	5.4624-03	1.2595-01	1.6360+05	2.0448-03	8.1130+00	
350	468.58	2.5777+00	4.5173-01	1.4073-03	4.5173-01	1.4073-03	9.5539-04	2.2029-02	2.8614+04	3.5778-04	8.6180+00	
352	463.99	2.2126+01	3.9966+00	1.2408-02	3.9966+00	1.2408-02	8.4237-03	1.9423-01	2.5229+05	3.1539-03	7.1680+00	
354	472.27	1.5778+01	2.9990+00	9.3687-03	2.9990+00	9.3687-03	6.3663-03	1.4666-01	1.9049+05	2.3822-03	8.1130+00	
357	467.93	2.2815+01	4.1207+00	1.2831-02	4.1207+00	1.2831-02	8.7139-03	2.0086-01	2.6089+05	3.2620-03	7.1680+00	
359	479.69	1.6384+01	2.9260+00	9.1920-03	2.9260+00	9.1920-03	6.2403-03	1.4389-01	1.8690+05	2.3380-03	8.1130+00	
401	456.91	2.0712+00	1.7192-01	5.3096-04	1.7192-01	5.3096-04	3.6046-04	8.3115-03	1.0796+04	1.3492-04	4.5500-01	
403	454.04	2.2197+00	1.8172-01	5.6002-04	1.8172-01	5.6002-04	3.8019-04	8.7665-03	1.1387+04	1.4229-04	6.8600-01	
404	180.96	-8.4315+01	-3.3440+00	-7.0486-03	-3.3440+00	-7.0486-03	-4.7852-03	-1.1034-01	-1.4332+05	-1.7488-03	8.0100-01	
405	452.35	3.9720+00	3.2479-01	9.9970-04	3.2479-01	9.9970-04	6.7868-04	1.5649-02	2.0327+04	2.5398-04	1.0510+00	
406	453.68	6.3948+00	5.2652-01	1.6222-03	5.2652-01	1.6222-03	1.1013-03	2.5393-02	3.2984+04	4.1215-04	1.1670+00	
407	453.60	7.2291+00	6.0581-01	1.8664-03	6.0581-01	1.8664-03	1.2671-03	2.9216-02	3.7948+04	4.7419-04	1.2830+00	
408	455.56	3.5709+00	2.8913-01	8.9206-04	2.8913-01	8.9206-04	6.0561-04	1.3964-02	1.8138+04	2.2666-04	5.1300-01	
409	453.05	3.9745+00	3.2711-01	1.0073-03	3.2711-01	1.0073-03	6.8387-04	1.5769-02	2.0482+04	2.5593-04	5.7000-01	
410	453.39	3.7190+00	2.9521-01	9.0934-04	2.9521-01	9.0934-04	6.1734-04	1.4235-02	1.8489+04	2.3103-04	6.2830-01	
411	453.48	4.4125+00	3.6326-01	1.1190-03	3.6326-01	1.1190-03	7.5968-04	1.7517-02	2.2752+04	2.8430-04	6.8630-01	
412	466.07	2.8566+00	2.3577-01	7.3313-04	2.3577-01	7.3313-04	4.9771-04	1.1476-02	1.4906+04	1.8636-04	7.4400-01	
413	453.78	4.8203+00	3.9927-01	1.2302-03	3.9927-01	1.2302-03	8.3519-04	1.9258-02	2.5014+04	3.1256-04	8.0100-01	
414	451.74	4.0327+00	3.2963-01	1.0141-03	3.2963-01	1.0141-03	6.8847-04	1.5875-02	2.0620+04	2.5763-04	8.5900-01	
415	452.22	4.6488+00	3.8238-01	1.1768-03	3.8238-01	1.1768-03	7.9894-04	1.8422-02	2.3928+04	2.9898-04	9.1700-01	
416	453.79	4.0073+00	3.0640-01	9.4407-04	3.0640-01	9.4407-04	6.4092-04	1.4778-02	1.9196+04	2.3986-04	5.7000-01	
417	451.32	5.8997+00	4.8209-01	1.4827-03	4.8209-01	1.4827-03	1.0066-03	2.3210-02	3.0148+04	3.7667-04	1.0520+00	

15 1 11.97 -.03 .00 -.00 402 1 2.20 10.10 474.3 1731.7

8.42230+01 1.01208-02 7.22128-01 4.54007+03 1.00820-05 6.82206-08 5.62892-02 7.72000+00 7.05119-06 7.46915-02

1	462.57	9.6208-01	1.6223-01	5.0344-04	1.6223-01	5.0344-04	3.4185-04	7.8807-03	1.0233+04	1.2783-04	4.1100-01	
2	457.52	1.7745+00	2.9821-01	9.2196-04	2.9821-01	9.2196-04	6.2603-04	1.4432-02	1.8739+04	2.3404-04	7.1100-01	
3	451.68	3.9418+00	6.5980-01	2.0310-03	6.5980-01	2.0310-03	1.3791-03	3.1793-02	4.1281+04	5.1546-04	1.3070+00	
4	452.54	1.3359+01	2.2375+00	6.8918-03	2.2375+00	6.8918-03	4.6797-03	1.0788-01	1.4008+05	1.7492-03	1.6410+00	
5	451.69	2.1198+01	3.7142+00	1.1433-02	3.7142+00	1.1433-02	7.7635-03	1.7897-01	2.3238+05	2.9017-03	1.7720+00	
6	441.33	1.9621+00	3.2132-01	9.8160-04	3.2132-01	9.8160-04	6.6653-04	1.5366-02	1.9951+04	2.4902-04	2.4660+00	
7	448.11	1.3875+00	2.2762-01	6.9882-04	2.2762-01	6.9882-04	4.7451-04	1.0939-02	1.4204+04	1.7733-04	3.0090+00	
8	454.40	1.2930+00	2.1112-01	6.5119-04	2.1112-01	6.5119-04	4.4217-04	1.0194-02	1.3236+04	1.6529-04	3.3930+00	
9	460.69	1.0971+00	1.7991-01	5.5752-04	1.7991-01	5.5752-04	3.7857-04	8.7272-03	1.1332+04	1.4155-04	3.7770+00	
10	458.67	7.5585-01	1.2415-01	3.8414-04	1.2415-01	3.8414-04	2.6084-04	6.0132-03	7.8077+03	9.7520-05	5.3230+00	
14	452.36	2.5252+00	4.2287-01	1.3024-03	4.2287-01	1.3024-03	8.8433-04	2.0387-02	2.6471+04	3.3054-04	1.0880+00	
15	451.78	4.2592+00	7.1247-01	2.1949-03	7.1297-01	2.1949-03	1.4904-03	3.4358-02	4.4611+04	5.5705-04	1.3070+00	
16	453.78	1.6924+01	2.8368+00	8.7459-03	2.8368+00	8.7459-03	5.9387-03	1.3691-01	1.7776+05	2.2199-03	1.6410+00	
19	463.56	1.0935+00	1.6779-01	5.2108-04	1.6779-01	5.2108-04	3.5382-04	8.1568-03	1.0591+04	1.3231-04	4.1100-01	
20	461.20	1.8010+00	2.8923-01	8.9662-04	2.8923-01	8.9662-04	6.0883-04	1.4035-02	1.8224+04	2.2765-04	7.1100-01	
21	452.85	2.7730+00	4.4959-01	1.3851-03	4.4959-01	1.3851-03	9.4054-04	2.1682-02	2.8153+04	3.5156-04	1.0880+00	
22	450.11	4.7242+00	7.6911-01	2.3648-03	7.6911-01	2.3648-03	1.6057-03	3.7017-02	4.8064+04	6.0013-04	1.3070+00	
23	451.36	1.6750+01	2.6883+00	8.2732-03	2.6883+00	8.2732-03	5.6177-03	1.2951-01	1.6815+05	2.0997-03	1.6410+00	
24	449.57	1.5023+00	2.4450-01	7.5144-04	2.4450-01	7.5144-04	5.1025-04	1.1763-02	1.5273+04	1.9069-04	3.0090+00	
25	456.33	1.3507+00	2.1552-01	6.6572-04	2.1552-01	6.6572-04	4.5204-04	1.0421-02	1.3531+04	1.6899-04	3.3930+00	
26	462.61	1.2171+00	1.9625-01	6.0901-04	1.9625-01	6.0901-04	4.1354-04	9.5333-03	1.2378+04	1.5464-04	3.7770+00	
27	461.11	1.4551+00	2.3365-01	7.2429-04	2.3365-01	7.2429-04	4.9181-04	1.1338-02	1.4721+04	1.8389-04	7.1100-01	
28	453.61	3.1345+00	5.0847-01	1.5674-03	5.0847-01	1.5674-03	1.0643-03	2.4536-02	3.1858+04	3.9783-04	1.0880+00	
29	451.08	4.9029+00	8.0593-01	2.4797-03	8.0593-01	2.4797-03	1.6838-03	3.8817-02	5.0401+04	6.2933-04	1.3070+00	
30	453.64	1.9558+01	3.2301+00	9.9575-03	3.2301+00	9.9575-03	6.7614-03	1.5587-01	2.0239+05	2.5274-03	1.6410+00	
31	452.42	2.5344+01	4.2443+00	1.3072-02	4.2443+00	1.3072-02	8.8762-03	2.0463-01	2.6569+05	3.3177-03	1.7720+00	
32	443.16	2.1169+00	3.4711-01	1.0618-03	3.4711-01	1.0618-03	7.2099-04	1.6621-02	2.1581+04	2.6938-04	2.4660+00	
33	450.80	1.5906+00	2.6298-01	8.0898-04	2.6298-01	8.0898-04	5.4932-04	1.2664-02	1.6443+04	2.0531-04	3.0090+00	
34	457.45	1.4566+00	2.3833-01	7.3679-04	2.3833-01	7.3679-04	5.0030-04	1.1533-02	1.4975+04	1.8704-04	3.3930+00	
35	463.13	1.2899+00	2.0295-01	6.3007-04	2.0295-01	6.3007-04	4.2784-04	9.8630-03	1.2806+04	1.5999-04	3.7770+00	
36	453.06	4.6462+00	7.5568-01	2.3285-03	7.5568-01	2.3285-03	1.5811-03	3.6450-02	4.7328+04	5.9100-04	1.3070+00	
37	444.09	1.9844+00	3.2947-01	1.0085-03	3.2947-01	1.0085-03	6.8480-04	1.5787-02	2.0498+04	2.5587-04	2.4660+00	
38	452.69	1.4992+00	2.4451-01	7.5323-04	2.4451-01	7.5323-04	5.1146-04	1.1791-02	1.5310+04	1.9117-04	3.0090+00	
39	459.04	1.1688+00	1.9030-01	5.8900-04	1.9030-01	5.8900-04	3.9995-04	9.2200-03	1.1972+04	1.4953-04	3.3930+00	
40	463.68	1.3091+00	2.1187-01	6.5802-04	2.1187-01	6.5802-04	4.4681-04	1.0300-02	1.3374+04	1.6709-04	3.7770+00	
41	465.74	1.3075+00	2.0739-01	6.4509-04	2.0739-01	6.4509-04	4.3803-04	1.0098-02	1.3112+04	1.6382-04	4.1620+00	
43	461.12	8.7117-01	1.4504-01	4.4961-04	1.4504-01	4.4961-04	3.0530-04	7.0381-03	9.1385+03	1.1415-04	5.3230+00	
47	460.19	1.7834+00	2.8883-01	8.9471-04	2.8883-01	8.9471-04	6.0753-04	1.4006-02	1.8185+04	2.2715-04	7.1100-01	
48	453.35	3.0400+00	4.9900-01	1.5379-03	4.9900-01	1.5379-03	1.0443-03	2.4075-02	3.1259+04	3.9035-04	1.0880+00	
49	448.90	5.2966+00	8.7195-01	2.6785-03	8.7195-01	2.6785-03	1.8188-03	4.1929-02	5.4442+04	6.7972-04	1.3070+00	
50	452.03	2.0232+01	3.3576+00	1.0338-02	3.3576+00	1.0338-02	7.0199-03	1.6183-01	2.1013+05	2.6238-03	1.6410+00	
51	453.46	2.6282+01	4.4045+00	1.3576-02	4.4045+00	1.3576-02	9.2183-03	2.1251-01	2.7593+05	3.4457-03	1.7720+00	
52	446.80	2.0940+00	3.4933-01	1.0715-03	3.4933-01	1.0715-03	7.2755-04	1.6772-02	2.1778+04	2.7188-04	2.4660+00	
53	454.00	1.6151+00	2.6364-01	8.1293-04	2.6364-01	8.1293-04	5.5200-04	1.2725-02	1.6523+04	2.0634-04	3.0090+00	
54	460.57	1.3891+00	2.2503-01	6.9728-04	2.2503-01	6.9728-04	4.7347-04	1.0915-02	1.4172+04	1.7703-04	3.3930+00	
55	462.59	1.2987+00	2.0683-01	6.4186-04	2.0683-01	6.4186-04	4.3584-04	1.0047-02	1.3046+04	1.6297-04	3.7770+00	
56	460.97	8.6546-01	1.3385-01	4.1486-04	1.3385-01	4.1486-04	2.8170-04	6.4941-03	8.4321+03	1.0533-04	4.1100-01	
57	460.09	1.8961+00	3.0520-01	9.4535-04	3.0520-01	9.4535-04	6.4192-04	1.4798-02	1.9214+04	2.4001-04	7.1100-01	
58	450.34	3.2686+00	5.3542-01	1.6465-03	5.3542-01	1.6465-03	1.1180-03	2.5774-02	3.3465+04	4.1785-04	1.0880+00	
59	444.24	5.3906+00	8.8196-01	2.7000-03	8.8196-01	2.7000-03	1.8334-03	4.2266-02	5.4879+04	6.8504-04	1.3070+00	
60	451.50	2.2694+01	3.7425+00	1.1519-02	3.7425+00	1.1519-02	7.8216-03	1.8031-01	2.3412+05	2.9234-03	1.6410+00	
61	459.67	1.5018+00	2.4536-01	7.5976-04	2.4536-01	7.5976-04	5.1590-04	1.1893-02	1.5442+04	1.9289-04	3.0090+00	
62	463.54	1.3694+00	2.2228-01	6.9028-04	2.2228-01	6.9028-04	4.6872-04	1.0805-02	1.4030+04	1.7528-04	3.3930+00	
63	464.50	1.3839+00	2.2068-01	6.8581-04	2.2068-01	6.8581-04	4.6568-04	1.0736-02	1.3939+04	1.7415-04	3.7770+00	
64	449.52	3.3169+00	5.5437-01	1.7038-03	5.5437-01	1.7038-03	1.1569-03	2.6670-02	3.4629+04	4.3237-04	1.0880+00	
65	443.64	5.5325+00	9.2094-01	2.8181-03	9.2094-01	2.8181-03	1.9136-03	4.4114-02	5.7279+04	7.1498-04	1.3070+00	
66	449.20	2.2979+01	3.8398+00	1.1798-02	3.8398+00	1.1798-02	8.0112-03	1.8468-01	2.3980+05	2.9940-03	1.6410+00	
69	461.38	1.1205+00	1.8880-01	5.8536-04	1.8880-01	5.8536-04	3.9748-04	9.1631-03	1.1898+04	1.4862-04	4.1100-01	
70	454.47	1.9855+00	3.3297-01	1.0271-03	3.3297-01	1.0271-03	6.9740-04	1.6077-02	2.0875+04	2.6069-04	7.1100-01	
71	441.50	5.3699+00	8.8994-01	2.7190-03	8.8994-01	2.7190-03	1.8463-03	4.2562-02	5.5264+04	6.8977-04	1.3070+00	
72	448.54	2.3164+01	3.8689+00	1.1882-02	3.8689+00	1.1882-02	8.0680-03	1.8599-01	2.4150+05	3.0151-03	1.6410+00	
73	466.31	1.3226+00	2.1509-01	6.6933-04	2.1509-01	6.6933-04	4.5449-04	1.0478-02	1.3604+04	1.6998-04	3.7770+00	
74	467.88	9.4182-01	1.5565-01	4.8495-04	1.5565-01	4.8495-04	3.2930-04	7.5913-03	9.8568+03	1.2316-04	5.3230+00	
77	451.88	1.0010+00	1.6611-01	5.1140-04	1.6611-01	5.1140-04	3.4726-04	8.0054-03	1.0394+04	1.2979-04	3.0090+00	
78	458.01	1.2192+00	2.0076-01	6.2090-04	2.0076-01	6.2090-04	4.2161-04	9.7194-03	1.2620+04	1.5762-04	3.3930+00	
79	461.81	1.1340+00	1.8386-01	5.7024-04	1.8386-01	5.7024-04	3.8721-04	8.9264-03	1.1590+04	1.4479-04	3.7770+00	
80	443.61	2.0327+00	3.3935-01	1.0384-03	3.3935-01	1.0384-03	7.0511-04	1.6255-02	2.1106+04	2.6346-04	2.4660+00	
81	449.61	1.3958+00	2.3126-01	7.1080-04	2.3126-01	7.1080-04	4.8265-04	1.1127-02	1.4447+04	1.8038-04	3.0090+00	
82	455.69	1.1912+00	1.9642-01	6.0643-04	1.9642-01	6.0643-04	4.1178-04	9.4929-03	1.2326+04	1.5393-04	3.3930+00	
83	460.93	1.1008+00	1.8054-01	5.5956-04	1.8054-01	5.5956-04	3.7996-04	8.7592-03	1.1373+04	1.4207-04	3.7770+00	
337	466.88	1.3749+01	2.5494+00	7.9370-03	2.5494+00	7.9370-03	5.3894-03	1.2424-01	1.6132+05	2.0156-03	7.1680+00	
339	468.47	1.2625+01	2.3936+00	7.4606-03	2.3936+00	7.4606-03	5.0660-03	1.1679-01	1.5164+05	1.8948-03	8.1130+00	
340	473.06	2.4296+00	4.5239-01	1.4149-03	4.5239-01	1.4149-03	9.6079-04	2.2149-02	2.8759+04	3.5943-04	8.6180+00	
342	466.82	1.5702+01	3.0047+00	9.3538-03	3.0047+00	9.3538-03	6.3515-03	1.4642-01	1.9012+05	2.3755-03	7.1680+00	
344	468.39	1.3407+01	2.5549+00	7.9631-03	2.5549+00	7.9631-03	5.4072-03	1.2465-01	1.6185+05	2.0224-03	8.1130+00	
347	461.89	1.6989+01	3.1397+00	9.7383-03	3.1397+00	9.7383-03	6.6126-03	1.5244-01	1.9793+05	2.4726-03	7.1680+00	
349	463.29	1.2864+01	2.4368+00	7.5659-03	2.4368+00	7.5659-03	5.1374-03	1.1843-01	1.5378+05	1.9211-03	8.1130+00	
350	469.10	2.2291+00	3.9078-01	1.2186-03	3.9078-01	1.2186-03	8.2747-04	1.9076-02	2.4769+04	3.0950-04	8.6180+00	
352	468.77	1.9713+01	3.5723+00	1.1137-02	3.5723+00	1.1137-02	7.5624-03	1.7434-01	2.2637+05	2.8286-03	7.1680+00	
354	475.71	1.3274+01	2.5288+00	7.9253-03	2.5288+00	7.9253-03	5.3815-03	1.2406-01	1.6108+05	2.0134-03	8.1130+00	
357	472.45	1.8825+01	3.4103+00	1.0662-02	3.4103+00	1.0662-02	7.2395-03	1.6689-01	2.1670+05	2.7062-03	7.1680+00	
359	483.41	1.3982+01	2.5024+00	7.8883-03	2.5024+00	7.8883-03	5.3564-03	1.2348-01	1.6033+05	2.0047-03	8.1130+00	
401	457.41	2.0556+00	1.7069-01	5.2765-04	1.7069-01	5.2765-04	3.5829-04	8.2597-03	1.0725+04	1.3395-04	4.5500-01	
403	454.60	2.3169+00	1.8975-01	5.8534-04	1.8975-01	5.8534-04	3.9746-04	9.1628-03	1.1897+04	1.4858-04	6.8600-01	
404	218.24	-1.4927+02	-5.4805+00	-1.1350-02	-5.4805+00	-1.1350-02	-7.7070-03	-1.7767-01	-2.3069+05	-2.8106-03	8.0100-01	
405	453.34	4.1912+00	3.4295-01	1.0570-03	3.4295-01	1.0570-03	7.1772-04	1.6546-02	2.1483+04	2.6828-04	1.0510+00	
406	455.24	6.3652+00	5.2464-01	1.6192-03	5.2464-01	1.6192-03	1.0995-03	2.5347-02	3.2911+04	4.1101-04	1.1670+00	
407	455.35	7.2369+00	6.0719-01	1.8741-03	6.0719-01	1.8741-03	1.2726-03	2.9337-02	3.8092+04	4.7572-04	1.2830+00	
408	456.44	3.4639+00	2.8064-01	8.6692-04	2.8064-01	8.6692-04	5.8866-04	1.3571-02	1.7620+04	2.2006-04	5.1300-01	
409	454.11	4.1969+00	3.4566-01	1.0659-03	3.4566-01	1.0659-03	7.2379-04	1.6686-02	2.1665+04	2.7055-04	5.7000-01	
410	454.37	3.8748+00	3.0779-01	9.4933-04	3.0779-01	9.4933-04	6.4462-04	1.4861-02	1.9295+04	2.4096-04	6.2800-01	
411	454.67	4.5538+00	3.7519-01	1.1575-03	3.7519-01	1.1575-03	7.8596-04	1.8119-02	2.3526+04	2.9380-04	6.8600-01	
412	466.72	3.1642+00	2.6127-01	8.1328-04	2.6127-01	8.1328-04	5.5224-04	1.2731-02	1.6530+04	2.0654-04	7.4400-01	
413	455.02	4.7553+00	3.9422-01	1.2165-03	3.9422-01	1.2165-03	8.2605-04	1.9043-02	2.4726+04	3.0879-04	8.0100-01	
414	452.69	3.9631+00	3.2415-01	9.9855-04	3.2415-01	9.9855-04	6.7804-04	1.5631-02	2.0296+04	2.5344-04	8.5900-01	
415	453.34	4.3979+00	3.7849-01	1.1665-03	3.7849-01	1.1665-03	7.9208-04	1.8260-02	2.3709+04	2.9607-04	9.1700-01	
416	454.81	4.0078+00	3.0665-01	9.4613-04	3.0665-01	9.4613-04	6.4245-04	1.4810-02	1.9230+04	2.4015-04	5.7000-01	
417	452.73	5.7112+00	4.6713-01	1.4391-03	4.6713-01	1.4391-03	9.7716-04	2.2527-02	2.9249+04	3.6524-04	1.0520+00	

CONFIDENTIAL

15 1 11.97 -.03 .00 -.00 402 1 2.45 10.10 474.3 1731.4

8.42050+01 1.01211-02 7.22151-01 4.53958+03 1.00845-05 6.82060-08 5.63090-02 7.72000+00 7.04947-06 7.46936-02

1	462.81	9.8286-01	1.6576-01	5.1441-04	1.6576-01	5.1441-04	3.4925-04	8.0525-03	1.0458+04	1.3067-04	4.1100-01
2	457.97	1.7990+00	3.0241-01	9.3510-04	3.0241-01	9.3510-04	6.3487-04	1.4638-02	1.9011+04	2.3749-04	7.1100-01
3	452.58	3.9283+00	6.5794-01	2.0263-03	6.5794-01	2.0263-03	1.3758-03	3.1720-02	4.1196+04	5.1451-04	1.3070+00
4	455.73	1.3176+01	2.2115+00	6.8269-03	2.2115+00	6.8269-03	4.6350-03	1.0687-01	1.3879+05	1.7336-03	1.6410+00
5	456.65	2.0134+01	3.5397+00	1.0934-02	3.5397+00	1.0934-02	7.4238-03	1.7117-01	2.2230+05	2.7769-03	1.7720+00
6	441.83	2.0805+00	3.4084-01	1.0414-03	3.4084-01	1.0414-03	7.0706-04	1.6302-02	2.1173+04	2.6431-04	2.4660+00
7	448.46	1.3932+00	2.2861-01	7.0194-04	2.2861-01	7.0194-04	4.7657-04	1.0988-02	1.4271+04	1.7820-04	3.0090+00
8	454.71	1.2961+00	2.1168-01	6.5295-04	2.1168-01	6.5295-04	4.4331-04	1.0221-02	1.3275+04	1.6581-04	3.3930+00
9	460.96	1.0987+00	1.8020-01	5.5844-04	1.8020-01	5.5844-04	3.7915-04	8.7417-03	1.1353+04	1.4184-04	3.7770+00
10	458.88	7.3143-01	1.2015-01	3.7178-04	1.2015-01	3.7178-04	2.5241-04	5.8197-03	7.5584+03	9.4424-05	5.3230+00
14	452.99	2.7372+00	4.5857-01	1.4127-03	4.5857-01	1.4127-03	9.5916-04	2.2115-02	2.8721+04	3.5871-04	1.0880+00
15	452.83	4.3252+00	7.2454-01	2.2319-03	7.2454-01	2.2319-03	1.5153-03	3.4937-02	4.5374+04	5.6670-04	1.3070+00
16	457.96	1.6889+01	2.8390+00	8.7787-03	2.8390+00	8.7787-03	5.9602-03	1.3742-01	1.7847+05	2.2295-03	1.6410+00
19	463.81	1.0971+00	1.6838-01	5.2292-04	1.6838-01	5.2292-04	3.5503-04	8.1857-03	1.0631+04	1.3284-04	4.1100-01
20	461.66	1.8218+00	2.9265-01	9.0742-04	2.9265-01	9.0742-04	6.1608-04	1.4204-02	1.8448+04	2.3049-04	7.1100-01
21	453.62	3.0000+00	4.8664-01	1.4999-03	4.8664-01	1.4999-03	1.0184-03	2.3480-02	3.0494+04	3.8086-04	1.0880+00
22	451.29	4.5319+00	7.3841-01	2.2720-03	7.3841-01	2.2720-03	1.5425-03	3.5565-02	4.6190+04	5.7685-04	1.3070+00
23	455.47	1.6644+01	2.6788+00	8.2678-03	2.6788+00	8.2678-03	5.6133-03	1.2942-01	1.6809+05	2.0995-03	1.6410+00
24	449.96	1.5268+00	2.4854-01	7.6397-04	2.4854-01	7.6397-04	5.1868-04	1.1959-02	1.5532+04	1.9396-04	3.0090+00
25	456.70	1.4042+00	2.2411-01	6.9234-04	2.2411-01	6.9234-04	4.7005-04	1.0838-02	1.4075+04	1.7582-04	3.3930+00
26	462.91	1.2509+00	2.0173-01	6.2608-04	2.0173-01	6.2608-04	4.2507-04	9.8005-03	1.2728+04	1.5904-04	3.7770+00
27	461.48	1.4603+00	2.3455-01	7.2715-04	2.3455-01	7.2715-04	4.9369-04	1.1383-02	1.4783+04	1.8470-04	7.1100-01
28	454.40	3.1226+00	5.0680-01	1.5630-03	5.0680-01	1.5630-03	1.0611-03	2.4466-02	3.1775+04	3.9688-04	1.0880+00
29	452.23	4.7891+00	7.8785-01	2.4258-03	7.8785-01	2.4258-03	1.6470-03	3.7973-02	4.9317+04	6.1593-04	1.3070+00
30	458.51	1.9561+01	3.2413+00	1.0027-02	3.2413+00	1.0027-02	6.8074-03	1.5695-01	2.0384+05	2.5465-03	1.6410+00
31	458.59	2.4700+01	4.1539+00	1.2851-02	4.1539+00	1.2851-02	8.7246-03	2.0116-01	2.6125+05	3.2637-03	1.7720+00
32	443.69	2.1132+00	3.4664-01	1.0606-03	3.4664-01	1.0606-03	7.2009-04	1.6603-02	2.1563+04	2.6920-04	2.4660+00
33	451.20	1.5652+00	2.5884-01	7.9636-04	2.5884-01	7.9636-04	5.4068-04	1.2466-02	1.6190+04	2.0219-04	3.0090+00
34	457.84	1.4888+00	2.4367-01	7.5339-04	2.4367-01	7.5339-04	5.1150-04	1.1793-02	1.5317+04	1.9134-04	3.3930+00
35	463.45	1.3055+00	2.0545-01	6.3788-04	2.0545-01	6.3788-04	4.3308-04	9.9853-03	1.2968+04	1.6204-04	3.7770+00
36	454.26	4.7309+00	7.7008-01	2.3747-03	7.7008-01	2.3747-03	1.6122-03	3.7172-02	4.8278+04	6.0300-04	1.3070+00
37	444.59	2.0587+00	3.4192-01	1.0469-03	3.4192-01	1.0469-03	7.1074-04	1.6387-02	2.1283+04	2.6572-04	2.4660+00
38	453.08	1.5190+00	2.4780-01	7.6345-04	2.4780-01	7.6345-04	5.1833-04	1.1951-02	1.5521+04	1.9385-04	3.0090+00
39	459.32	1.2301+00	2.0032-01	6.2005-04	2.0032-01	6.2005-04	4.2097-04	9.7061-03	1.2606+04	1.5748-04	3.3930+00
40	464.00	1.2779+00	2.0687-01	6.4255-04	2.0687-01	6.4255-04	4.3625-04	1.0058-02	1.3063+04	1.6323-04	3.7770+00
41	466.08	1.3309+00	2.1114-01	6.5684-04	2.1114-01	6.5684-04	4.4595-04	1.0282-02	1.3354+04	1.6687-04	4.1620+00
43	461.33	8.7481-01	1.4567-01	4.5156-04	1.4567-01	4.5156-04	3.0658-04	7.0686-03	9.1802+03	1.1470-04	5.3230+00
47	460.63	1.7808+00	2.8849-01	8.9384-04	2.8849-01	8.9384-04	6.0686-04	1.3992-02	1.8172+04	2.2703-04	7.1100-01
48	454.12	3.0369+00	4.9875-01	1.5378-03	4.9875-01	1.5378-03	1.0441-03	2.4072-02	3.1264+04	3.9049-04	1.0880+00
49	450.29	5.1979+00	8.5651-01	2.6335-03	8.5651-01	2.6335-03	1.7879-03	4.1223-02	5.3539+04	6.6860-04	1.3070+00
50	457.01	2.0134+01	3.3526+00	1.0359-02	3.3526+00	1.0359-02	7.0333-03	1.6216-01	2.1061+05	2.6308-03	1.6410+00
51	459.92	2.5845+01	4.3503+00	1.3471-02	4.3503+00	1.3471-02	9.1462-03	2.1088-01	2.7388+05	3.4216-03	1.7720+00
52	447.33	2.1117+00	3.5241-01	1.0812-03	3.5241-01	1.0812-03	7.3403-04	1.6924-02	2.1980+04	2.7446-04	2.4660+00
53	454.44	1.6873+00	2.7551-01	8.4968-04	2.7551-01	8.4968-04	5.7688-04	1.3301-02	1.7274+04	2.1576-04	3.0090+00
54	460.92	1.3834+00	2.2416-01	6.9465-04	2.2416-01	6.9465-04	4.7162-04	1.0874-02	1.4122+04	1.7644-04	3.3930+00
55	462.90	1.2473+00	1.9868-01	6.1661-04	1.9868-01	6.1661-04	4.1864-04	9.6523-03	1.2536+04	1.5663-04	3.7770+00
56	461.30	1.4379+00	2.2243-01	6.8949-04	2.2243-01	6.8949-04	4.6812-04	1.0793-02	1.4017+04	1.7513-04	4.1100-01
57	460.57	1.8301+00	2.9467-01	9.1294-04	2.9467-01	9.1294-04	6.1983-04	1.4291-02	1.8560+04	2.3188-04	7.1100-01
58	451.17	2.9787+00	4.8821-01	1.5020-03	4.8821-01	1.5020-03	1.0198-03	2.3512-02	3.0537+04	3.8136-04	1.0880+00
59	445.58	5.3086+00	8.6933-01	2.6636-03	8.6933-01	2.6636-03	1.8084-03	4.1695-02	5.4151+04	6.7611-04	1.3070+00
60	457.13	2.2556+01	3.7342+00	1.1540-02	3.7342+00	1.1540-02	7.8346-03	1.8064-01	2.3460+05	2.9306-03	1.6410+00
61	460.02	1.4800+00	2.4185-01	7.4898-04	2.4185-01	7.4898-04	5.0851-04	1.1724-02	1.5227+04	1.9023-04	3.0090+00
62	463.89	1.3543+00	2.1988-01	6.8292-04	2.1988-01	6.8292-04	4.6365-04	1.0690-02	1.3884+04	1.7348-04	3.3930+00
63	464.83	1.3034+00	2.0789-01	6.4612-04	2.0789-01	6.4612-04	4.3867-04	1.0114-02	1.3136+04	1.6414-04	3.7770+00
64	450.35	3.3371+00	5.5808-01	1.7159-03	5.5808-01	1.7159-03	1.1650-03	2.6861-02	3.4885+04	4.3565-04	1.0880+00
65	445.00	5.4416+00	9.0666-01	2.7768-03	9.0666-01	2.7768-03	1.8852-03	4.3467-02	5.6452+04	7.0483-04	1.3070+00
66	454.90	2.2766+01	3.8190+00	1.1782-02	3.8190+00	1.1782-02	7.9992-03	1.8443-01	2.3953+05	2.9919-03	1.6410+00
69	461.67	1.1683+00	1.9689-01	6.1049-04	1.9689-01	6.1049-04	4.1448-04	9.5565-03	1.2411+04	1.5507-04	4.1100-01
70	454.97	1.9174+00	3.2166-01	9.9241-04	3.2166-01	9.9241-04	6.7378-04	1.5535-02	2.0176+04	2.5201-04	7.1100-01
71	442.84	5.3694+00	8.9069-01	2.7235-03	8.9069-01	2.7235-03	1.8491-03	4.2634-02	5.5370+04	6.9125-04	1.3070+00
72	454.25	2.2876+01	3.8358+00	1.1828-02	3.8358+00	1.1828-02	8.0305-03	1.8515-01	2.4047+05	3.0035-03	1.6410+00
73	466.63	1.2919+00	2.1015-01	6.5402-04	2.1015-01	6.5402-04	4.4403-04	1.0238-02	1.3296+04	1.6616-04	3.7770+00
74	468.11	8.8935-01	1.4701-01	4.5801-04	1.4701-01	4.5801-04	3.1096-04	7.1696-03	9.3115+03	1.1637-04	5.3230+00
77	452.06	9.6728-01	1.6053-01	4.9421-04	1.6053-01	4.9421-04	3.3554-04	7.7363-03	1.0047+04	1.2548-04	3.0090+00
78	458.30	1.1470+00	1.8891-01	5.8429-04	1.8891-01	5.8429-04	3.9669-04	9.1462-03	1.1879+04	1.4839-04	3.3930+00
79	462.08	1.0270+00	1.6654-01	5.1655-04	1.6654-01	5.1655-04	3.5071-04	8.0860-03	1.0502+04	1.3121-04	3.7770+00
80	444.11	1.9761+00	3.3001-01	1.0101-03	3.3001-01	1.0101-03	6.8576-04	1.5811-02	2.0535+04	2.5637-04	2.4660+00
81	449.97	1.4416+00	2.3890-01	7.3434-04	2.3890-01	7.3434-04	4.9857-04	1.1495-02	1.4929+04	1.8644-04	3.0090+00
82	455.98	1.2094+00	1.9946-01	6.1585-04	1.9946-01	6.1585-04	4.1812-04	9.6404-03	1.2520+04	1.5639-04	3.3930+00
83	461.20	1.0997+00	1.8040-01	5.5916-04	1.8040-01	5.5916-04	3.7963-04	8.7530-03	1.1368+04	1.4203-04	3.7770+00
337	470.30	1.3874+01	2.5786+00	8.0473-03	2.5786+00	8.0473-03	5.4636-03	1.2597-01	1.6360+05	2.0448-03	7.1680+00
339	471.68	1.2824+01	2.4365+00	7.6116-03	2.4365+00	7.6116-03	5.1678-03	1.1915-01	1.5475+05	1.9342-03	8.1130+00
340	473.65	2.3439+00	4.3660-01	1.3660-03	4.3660-01	1.3660-03	9.2740-04	2.1383-02	2.7770+04	3.4714-04	8.6180+00
342	470.75	1.5763+01	3.0243+00	9.4412-03	3.0243+00	9.4412-03	6.4099-03	1.4779-01	1.9194+05	2.3990-03	7.1680+00
344	471.72	1.3255+01	2.5315+00	7.9088-03	2.5315+00	7.9088-03	5.3695-03	1.2380-01	1.6079+05	2.0097-03	8.1130+00
347	466.14	1.6940+01	3.1397+00	9.7679-03	3.1397+00	9.7679-03	6.6317-03	1.5290-01	1.9858+05	2.4816-03	7.1680+00
349	466.45	1.2774+01	2.4248+00	7.5454-03	2.4248+00	7.5454-03	5.1228-03	1.1811-01	1.5340+05	1.9170-03	8.1130+00
350	469.66	2.2057+00	3.8683-01	1.2066-03	3.8683-01	1.2066-03	8.1921-04	1.8888-02	2.4531+04	3.0659-04	8.6180+00
352	473.66	1.9398+01	3.5266+00	1.1033-02	3.5266+00	1.1033-02	7.4910-03	1.7272-01	2.2431+05	2.8040-03	7.1680+00
354	478.77	1.2525+01	2.3909+00	7.5091-03	2.3909+00	7.5091-03	5.0981-03	1.1754-01	1.5266+05	1.9087-03	8.1130+00
357	477.04	1.8494+01	3.3606+00	1.0541-02	3.3606+00	1.0541-02	7.1566-03	1.6501-01	2.1430+05	2.6792-03	7.1680+00
359	486.52	1.2881+01	2.3101+00	7.2982-03	2.3101+00	7.2982-03	4.9550-03	1.1424-01	1.4837+05	1.8558-03	8.1130+00
401	457.92	2.0691+00	1.7187-01	5.3143-04	1.7187-01	5.3143-04	3.6080-04	8.3188-03	1.0804+04	1.3497-04	4.5500-01
403	455.18	2.3704+00	1.9421-01	5.9927-04	1.9421-01	5.9927-04	4.0686-04	9.3808-03	1.2183+04	1.5218-04	6.8600-01
404	263.96	-1.6482+02	-5.4451+00	-1.1034-02	-5.4451+00	-1.1034-02	-7.4915-03	-1.7273-01	-2.2433+05	-2.7289-03	8.0100-01
405	454.46	4.4733+00	3.6631-01	1.1298-03	3.6631-01	1.1298-03	7.6703-04	1.7685-02	2.2968+04	2.8688-04	1.0510+00
406	456.81	6.2161+00	5.1290-01	1.5846-03	5.1290-01	1.5846-03	1.0758-03	2.4805-02	3.2215+04	4.0242-04	1.1670+00
407	457.18	7.1995+00	6.0480-01	1.8690-03	6.0480-01	1.8690-03	1.2690-03	2.9257-02	3.7998+04	4.7466-04	1.2830+00
408	457.30	3.4171+00	2.7701-01	8.5613-04	2.7701-01	8.5613-04	5.8126-04	1.3402-02	1.7405+04	2.1742-04	5.1300-01
409	455.16	4.0416+00	3.3310-01	1.0279-03	3.3310-01	1.0279-03	6.9784-04	1.6090-02	2.0896+04	2.6101-04	5.7000-01
410	455.35	3.7735+00	2.9994-01	9.2565-04	2.9994-01	9.2565-04	6.2846-04	1.4490-02	1.8819+04	2.3506-04	6.2800-01
411	455.78	4.5247+00	3.7308-01	1.1517-03	3.7308-01	1.1517-03	7.8195-04	1.8029-02	2.3415+04	2.9248-04	6.8600-01
412	467.64	3.7730+00	3.1173-01	9.7090-04	3.1173-01	9.7090-04	6.5918-04	1.5198-02	1.9739+04	2.4668-04	7.4400-01
413	456.71	4.7029+00	3.9019-01	1.2049-03	3.9019-01	1.2049-03	8.1808-04	1.8862-02	2.4497+04	3.0600-04	8.0100-01
414	453.69	4.1356+00	3.3848-01	1.0433-03	3.3848-01	1.0433-03	7.0835-04	1.6332-02	2.1211+04	2.6492-04	8.5900-01
415	454.52	4.7288+00	3.8958-01	1.2016-03	3.8958-01	1.2016-03	8.1578-04	1.8809-02	2.4428+04	3.0511-04	9.1700-01
416	455.82	4.0218+00	3.0794-01	9.5067-04	3.0794-01	9.5067-04	6.4544-04	1.4882-02	1.9327+04	2.4142-04	5.7000-01
417	454.14	5.6883+00	4.6571-01	1.4360-03	4.6571-01	1.4360-03	9.7492-04	2.2478-02	2.9193+04	3.6463-04	1.0520+00

CONFIDENTIAL

15 1 11.97 -.03 .00 -.00 402 1 2.70 10.10 474.3 1730.7

8.41689+01 1.01217-02 7.22106-01 4.53861+03 1.00894-05 6.81768-08 5.63487-02 7.72000+00 7.04605-06 7.46979-02

1	463.05	9.7922-01	1.6518-01	5.1284-04	1.6518-01	5.1284-04	3.4809-04	8.0278-03	1.0431+04	1.3030-04	4.1100-01
2	458.44	1.7958+00	3.0198-01	9.3438-04	3.0198-01	9.3438-04	6.3420-04	1.4627-02	1.9005+04	2.3736-04	7.1100-01
3	453.58	4.1153+00	6.8973-01	2.1265-03	6.8973-01	2.1265-03	1.4433-03	3.3287-02	4.3252+04	5.4008-04	1.3070+00
4	459.11	1.3585+01	2.2855+00	7.0752-03	2.2855+00	7.0752-03	4.8023-03	1.1075-01	1.4391+05	1.7974-03	1.6410+00
5	461.69	1.9923+01	3.5145+00	1.0901-02	3.5145+00	1.0901-02	7.3989-03	1.7064-01	2.2172+05	2.7696-03	1.7720+00
6	442.34	2.0301+00	3.3270-01	1.0173-03	3.3270-01	1.0173-03	6.9046-04	1.5924-02	2.0691+04	2.5824-04	2.4660+00
7	448.81	1.4421+00	2.3668-01	7.2712-04	2.3668-01	7.2712-04	4.9353-04	1.1382-02	1.4790+04	1.8464-04	3.0090+00
8	455.04	1.2956+00	2.1164-01	6.5319-04	2.1164-01	6.5319-04	4.4335-04	1.0225-02	1.3286+04	1.6591-04	3.3930+00
9	461.23	1.0961+00	1.7981-01	5.5750-04	1.7981-01	5.5750-04	3.7840-04	8.7270-03	1.1340+04	1.4164-04	3.7770+00
10	459.04	6.6961-01	1.1001-01	3.4054-04	1.1001-01	3.4054-04	2.3114-04	5.3307-03	6.9266+03	8.6510-05	5.3230+00
14	453.72	2.8296+00	4.7429-01	1.4624-03	4.7429-01	1.4624-03	9.9260-04	2.2892-02	2.9746+04	3.7143-04	1.0880+00
15	453.94	4.5704+00	7.6619-01	2.3628-03	7.6619-01	2.3628-03	1.6037-03	3.6987-02	4.8060+04	6.0012-04	1.3070+00
16	462.23	1.7110+01	2.8845+00	8.9505-03	2.8845+00	8.9505-03	6.0751-03	1.4011-01	1.8205+05	2.2741-03	1.6410+00
19	464.09	1.1720+00	1.7989-01	5.5897-04	1.7989-01	5.5897-04	3.7940-04	8.7499-03	1.1369+04	1.4203-04	4.1100-01
20	462.11	1.8171+00	2.9199-01	9.0594-04	2.9199-01	9.0594-04	6.1490-04	1.4181-02	1.8427+04	2.3017-04	7.1100-01
21	454.34	2.9829+00	4.8410-01	1.4933-03	4.8410-01	1.4933-03	1.0136-03	2.3376-02	3.0375+04	3.7929-04	1.0880+00
22	452.36	4.4317+00	7.2261-01	2.2258-03	7.2261-01	2.2258-03	1.5108-03	3.4842-02	4.5273+04	5.6528-04	1.3070+00
23	459.66	1.6983+01	2.7411+00	8.4892-03	2.7411+00	8.4892-03	5.7620-03	1.3289-01	1.7267+05	2.1567-03	1.6410+00
24	450.34	1.5122+00	2.4623-01	7.5732-04	2.4623-01	7.5732-04	5.1403-04	1.1855-02	1.5404+04	1.9232-04	3.0090+00
25	457.03	1.3392+00	2.1380-01	6.6084-04	2.1380-01	6.6084-04	4.4854-04	1.0345-02	1.3441+04	1.6786-04	3.3930+00
26	463.24	1.2992+00	2.0957-01	6.5076-04	2.0957-01	6.5076-04	4.4170-04	1.0187-02	1.3236+04	1.6535-04	3.7770+00
27	461.87	1.5247+00	2.4496-01	7.5987-04	2.4496-01	7.5987-04	5.1576-04	1.1895-02	1.5456+04	1.9306-04	7.1100-01
28	455.16	3.0961+00	5.0276-01	1.5518-03	5.0276-01	1.5518-03	1.0533-03	2.4292-02	3.1565+04	3.9417-04	1.0880+00
29	453.43	4.9626+00	8.1706-01	2.5187-03	8.1706-01	2.5187-03	1.7096-03	3.9428-02	5.1231+04	6.3971-04	1.3070+00
30	463.43	1.9765+01	3.2860+00	1.0205-02	3.2860+00	1.0205-02	6.9268-03	1.5975-01	2.0758+05	2.5931-03	1.6410+00
31	466.77	2.4358+01	4.1135+00	1.2788-02	4.1135+00	1.2788-02	8.6799-03	2.0018-01	2.6011+05	3.2495-03	1.7720+00
32	444.23	2.1636+00	3.5504-01	1.0871-03	3.5504-01	1.0871-03	7.3784-04	1.7017-02	2.2111+04	2.7598-04	2.4660+00
33	451.60	1.3662+00	2.2600-01	6.9573-04	2.2600-01	6.9573-04	4.7222-04	1.0891-02	1.4151+04	1.7669-04	3.0090+00
34	458.22	1.4597+00	2.3897-01	7.3928-04	2.3897-01	7.3928-04	5.0178-04	1.1572-02	1.5037+04	1.8780-04	3.3930+00
35	463.79	1.3283+00	2.0910-01	6.4956-04	2.0910-01	6.4956-04	4.4089-04	1.0168-02	1.3212+04	1.6505-04	3.7770+00
36	455.46	4.7325+00	7.7096-01	2.3802-03	7.7096-01	2.3802-03	1.6155-03	3.7259-02	4.8413+04	6.0457-04	1.3070+00
37	445.11	2.0836+00	3.4618-01	1.0606-03	3.4618-01	1.0606-03	7.1989-04	1.6603-02	2.1573+04	2.6928-04	2.4660+00
38	453.43	1.4686+00	2.3963-01	7.3871-04	2.3963-01	7.3871-04	5.0139-04	1.1564-02	1.5025+04	1.8762-04	3.0090+00
39	459.67	1.3096+00	2.1331-01	6.6062-04	2.1331-01	6.6062-04	4.4840-04	1.0341-02	1.3437+04	1.6783-04	3.3930+00
40	464.32	1.2868+00	2.0834-01	6.4748-04	2.0834-01	6.4748-04	4.3947-04	1.0135-02	1.3170+04	1.6452-04	3.7770+00
41	466.41	1.3210+00	2.0962-01	6.5248-04	2.0962-01	6.5248-04	4.4287-04	1.0214-02	1.3271+04	1.6581-04	4.1620+00
43	461.56	8.8208-01	1.4690-01	4.5559-04	1.4690-01	4.5559-04	3.0923-04	7.1317-03	9.2668+03	1.1575-04	5.3230+00
47	461.06	1.7299+00	2.8033-01	8.6907-04	2.8033-01	8.6907-04	5.8988-04	1.3604-02	1.7677+04	2.2080-04	7.1100-01
48	454.88	3.0068+00	4.9406-01	1.5246-03	4.9406-01	1.5246-03	1.0348-03	2.3866-02	3.1011+04	3.8725-04	1.0880+00
49	451.53	4.9377+00	8.1432-01	2.5068-03	8.1432-01	2.5068-03	1.7014-03	3.9240-02	5.0988+04	6.3661-04	1.3070+00
50	462.12	2.0347+01	3.3999+00	1.0549-02	3.3999+00	1.0549-02	7.1598-03	1.6513-01	2.1456+05	2.6801-03	1.6410+00
51	466.38	2.5506+01	4.3120+00	1.3421-02	4.3120+00	1.3421-02	9.1097-03	2.1009-01	2.7299+05	3.4106-03	1.7720+00
52	447.85	2.0961+00	3.4993-01	1.0743-03	3.4993-01	1.0743-03	7.2917-04	1.6817-02	2.1851+04	2.7278-04	2.4660+00
53	454.85	1.5657+00	2.5573-01	7.8916-04	2.5573-01	7.8916-04	5.3564-04	1.2353-02	1.6052+04	2.0044-04	3.0090+00
54	461.27	1.4229+00	2.3061-01	7.1504-04	2.3061-01	7.1504-04	4.8533-04	1.1193-02	1.4544+04	1.8167-04	3.3930+00
55	463.22	1.3340+00	2.1255-01	6.6000-04	2.1255-01	6.6000-04	4.4797-04	1.0331-02	1.3424+04	1.6770-04	3.7770+00
56	461.65	1.2836+00	1.9861-01	6.1600-04	1.9861-01	6.1600-04	4.1811-04	9.6427-03	1.2530+04	1.5651-04	4.1100-01
57	461.00	1.8000+00	2.8991-01	8.9873-04	2.8991-01	8.9873-04	6.1001-04	1.4068-02	1.8280+04	2.2833-04	7.1100-01
58	451.86	2.8005+00	4.5922-01	1.4140-03	4.5922-01	1.4140-03	9.5974-04	2.2134-02	2.8761+04	3.5910-04	1.0880+00
59	446.87	5.2509+00	8.6066-01	2.6403-0	8.6066-01	2.6403-03	1.7921-03	4.1331-02	5.3704+04	6.7040-04	1.3070+00
60	462.81	2.2665+01	3.7667+00	1.1693-02	3.7667+00	1.1693-02	7.9364-03	1.8303-01	2.3783+05	2.9709-03	1.6410+00
61	460.40	1.5309+00	2.5024-01	7.7540-04	2.5024-01	7.7540-04	5.2630-04	1.2138-02	1.5772+04	1.9699-04	3.0090+00
62	464.22	1.3309+00	2.1614-01	6.7165-04	2.1614-01	6.7165-04	4.5588-04	1.0514-02	1.3661+04	1.7066-04	3.3930+00
63	465.14	1.3304+00	2.1224-01	6.6000-04	2.1224-01	6.6000-04	4.4797-04	1.0331-02	1.3424+04	1.6771-04	3.7770+00
64	451.19	3.0883+00	5.1676-01	1.5904-03	5.1676-01	1.5904-03	1.0794-03	2.4895-02	3.2348+04	4.0388-04	1.0880+00
65	446.34	5.3990+00	9.0039-01	2.7611-03	9.0039-01	2.7611-03	1.8741-03	4.3222-02	5.6161+04	7.0106-04	1.3070+00
66	460.55	2.2817+01	3.8423+00	1.1907-02	3.8423+00	1.1907-02	8.0821-03	1.8640-01	2.4220+05	3.0251-03	1.6410+00
69	461.96	1.1164+00	1.8817-01	5.8375-04	1.8817-01	5.8375-04	3.9622-04	9.1379-03	1.1874+04	1.4832-04	4.1100-01
70	455.43	1.9195+00	3.2211-01	9.9445-04	3.2211-01	9.9445-04	6.7498-04	1.5567-02	2.0227+04	2.5259-04	7.1100-01
71	444.20	5.3527+00	8.8876-01	2.7212-03	8.8876-01	2.7212-03	1.8470-03	4.2597-02	5.5349+04	6.9086-04	1.3070+00
72	459.91	2.2769+01	3.8325+00	1.1871-02	3.8325+00	1.1871-02	8.0577-03	1.8583-01	2.4147+05	3.0159-03	1.6410+00
73	466.94	1.2779+00	2.0791-01	6.4740-04	2.0791-01	6.4740-04	4.3942-04	1.0134-02	1.3168+04	1.6452-04	3.7770+00
74	468.31	8.7429-01	1.4454-01	4.5052-04	1.4454-01	4.5052-04	3.0579-04	7.0523-03	9.1636+03	1.1450-04	5.3230+00
77	452.33	1.1881+00	1.9720-01	6.0742-04	1.9720-01	6.0742-04	4.1228-04	9.5084-03	1.2355+04	1.5427-04	3.0090+00
78	458.58	1.1694+00	1.9263-01	5.9608-04	1.9263-01	5.9608-04	4.0459-04	9.3309-03	1.2124+04	1.5143-04	3.3930+00
79	462.33	1.0743+00	1.7424-01	5.4069-04	1.7424-01	5.4069-04	3.6699-04	8.4638-03	1.0998+04	1.3738-04	3.7770+00
80	444.59	2.0094+00	3.3568-01	1.0281-03	3.3568-01	1.0281-03	6.9779-04	1.6093-02	2.0911+04	2.6101-04	2.4660+00
81	450.34	1.4099+00	2.3370-01	7.1879-04	2.3370-01	7.1879-04	4.8788-04	1.1252-02	1.4620+04	1.8253-04	3.0090+00
82	456.29	1.2296+00	2.0284-01	6.2662-04	2.0284-01	6.2662-04	4.2532-04	9.8090-03	1.2746+04	1.5917-04	3.3930+00
83	461.48	1.0992+00	1.8035-01	5.5929-04	1.8035-01	5.5929-04	3.7961-04	8.7549-03	1.1376+04	1.4210-04	3.7770+00
337	473.79	1.3838+01	2.5780+00	8.0688-03	2.5780+00	8.0688-03	5.4767-03	1.2631-01	1.6412+05	2.0511-03	7.1680+00
339	474.89	1.2944+01	2.4647+00	7.7205-03	2.4647+00	7.7205-03	5.2403-03	1.2086-01	1.5704+05	1.9626-03	8.1130+00
340	474.24	2.4005+00	4.4733-01	1.4006-03	4.4733-01	1.4006-03	9.5062-04	2.1924-02	2.8487+04	3.5603-04	8.6180+00
342	474.73	1.5683+01	3.0170+00	9.4495-03	3.0170+00	9.4495-03	6.4138-03	1.4792-01	1.9220+05	2.4022-03	7.1680+00
344	475.00	1.3205+01	2.5276+00	7.9184-03	2.5276+00	7.9184-03	5.3746-03	1.2395-01	1.6106+05	2.0130-03	8.1130+00
347	470.38	1.6888+01	3.1389+00	9.7992-03	3.1389+00	9.7992-03	6.6512-03	1.5339-01	1.9932+05	2.4906-03	7.1680+00
349	469.62	1.2739+01	2.4234+00	7.5613-03	2.4234+00	7.5613-03	5.1322-03	1.1836-01	1.5380+05	1.9217-03	8.1130+00
350	470.22	2.2306+00	3.9135-01	1.2216-03	3.9135-01	1.2216-03	8.2915-04	1.9122-02	2.4847+04	3.1048-04	8.6180+00
352	478.45	1.9185+01	3.4991+00	1.0990-02	3.4991+00	1.0990-02	7.4596-03	1.7204-01	2.2354+05	2.7943-03	7.1680+00
354	481.88	1.2423+01	2.3763+00	7.4832-03	2.3763+00	7.4832-03	5.0792-03	1.1714-01	1.5221+05	1.9029-03	8.1130+00
357	481.64	1.8343+01	3.3434+00	1.0527-02	3.3434+00	1.0527-02	7.1449-03	1.6478-01	2.1411+05	2.6768-03	7.1680+00
359	489.71	1.2740+01	2.2895+00	7.2529-03	2.2895+00	7.2529-03	4.9229-03	1.1354-01	1.4753+05	1.8450-03	8.1130+00
401	458.44	2.0753+00	1.7245-01	5.3358-04	1.7245-01	5.3358-04	3.6217-04	8.3526-03	1.0853+04	1.3555-04	4.5500-01
403	455.78	2.4665+00	2.0216-01	6.2429-04	2.0216-01	6.2429-04	4.2373-04	9.7724-03	1.2698+04	1.5857-04	6.8600-01
404	302.54	-1.4302+02	-4.2730+00	-8.5072-03	-4.2730+00	-8.5072-03	-5.7742-03	-1.3317-01	-1.7304+05	-2.1616-03	8.0100-01
405	455.59	4.5257+00	3.7089-01	1.1452-03	3.7089-01	1.1452-03	7.7728-04	1.7926-02	2.3293+04	2.9088-04	1.0510+00
406	458.34	6.0462+00	4.9940-01	1.5451-03	4.9940-01	1.5451-03	1.0487-03	2.4187-02	3.1428+04	3.9251-04	1.1670+00
407	458.96	7.1153+00	5.9845-01	1.8524-03	5.9845-01	1.8524-03	1.2573-03	2.8997-02	3.7678+04	4.7059-04	1.2830+00
408	458.14	3.3527+00	2.7194-01	8.4125-04	2.7194-01	8.4125-04	5.7100-04	1.3169-02	1.7111+04	2.1370-04	5.1300-01
409	456.14	3.9709+00	3.2750-01	1.0116-03	3.2750-01	1.0116-03	6.8662-04	1.5835-02	2.0576+04	2.5695-04	5.7000-01
410	456.28	3.7491+00	2.9819-01	9.2116-04	2.9819-01	9.2116-04	6.2523-04	1.4420-02	1.8736+04	2.3398-04	6.2800-01
411	456.89	4.4810+00	3.6976-01	1.1428-03	3.6976-01	1.1428-03	7.7566-04	1.7889-02	2.3244+04	2.9028-04	6.8600-01
412	468.63	3.2764+00	2.7088-01	8.4454-04	2.7088-01	8.4454-04	5.7323-04	1.3220-02	1.7178+04	2.1463-04	7.4400-01
413	457.35	4.6275+00	3.8424-01	1.1879-03	3.8424-01	1.1879-03	8.0631-04	1.8596-02	2.4163+04	3.0176-04	8.0100-01
414	454.77	4.2327+00	3.4669-01	1.0698-03	3.4669-01	1.0698-03	7.2611-04	1.6746-02	2.1760+04	2.7172-04	8.5900-01
415	455.70	4.6727+00	3.8526-01	1.1896-03	3.8526-01	1.1896-03	8.0746-04	1.8622-02	2.4197+04	3.0217-04	9.1700-01
416	456.81	4.0016+00	3.0659-01	9.4749-04	3.0659-01	9.4749-04	6.4310-04	1.4832-02	1.9272+04	2.4068-04	9.7000-01
417	455.61	5.9039+00	4.8385-01	1.4940-03	4.8385-01	1.4940-03	1.0140-03	2.3386-02	3.0387+04	3.7947-04	1.0520+00

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15 1 11.97 -.03 .00 -.00 402 1 3.20 10.10 474.3 1730.5

8.41599+01 1.01219-02 7.22207-01 4.53837+03 1.00906-05 6.81695-08 5.63587-02 7.72000+00 7.04519-06 7.46990-02

1	463.56	1.0229+00	1.7260-01	5.3632-04	1.7260-01	5.3632-04	3.6400-04	8.3954-03	1.0910+04	1.3623-04	4.1100-01
2	459.29	1.7683+00	2.9752-01	9.2158-04	2.9752-01	9.2158-04	6.2547-04	1.4426-02	1.8747+04	2.3405-04	7.1100-01
3	455.76	4.3252+00	7.2598-01	2.2428-03	7.2598-01	2.2428-03	1.5222-03	3.5109-02	4.5625+04	5.6951-04	1.3070+00
4	465.93	1.3575+01	2.2942+00	7.1416-03	2.2942+00	7.1416-03	4.8470-03	1.1179-01	1.4528+05	1.8142-03	1.6410+00
5	471.43	1.8988+01	3.3715+00	1.0539-02	3.3715+00	1.0539-02	7.1526-03	1.6497-01	2.1438+05	2.6778-03	1.7720+00
6	443.37	2.0644+00	3.3856-01	1.0364-03	3.3856-01	1.0364-03	7.0341-04	1.6224-02	2.1083+04	2.6303-04	2.4660+00
7	449.54	1.4618+00	2.4004-01	7.3817-04	2.4004-01	7.3817-04	5.0099-04	1.1555-02	1.5016+04	1.8739-04	3.0090+00
8	455.68	1.2919+00	2.1114-01	6.5224-04	2.1114-01	6.5224-04	4.4267-04	1.0210-02	1.3268+04	1.6562-04	3.3930+00
9	461.77	1.0748+00	1.7638-01	5.4733-04	1.7638-01	5.4733-04	3.7147-04	8.5678-03	1.1134+04	1.3902-04	3.7770+00
10	459.35	6.1974-01	1.0184-01	3.1546-04	1.0184-01	3.1546-04	2.1410-04	4.9381-03	6.4172+03	8.0115-05	5.3230+00
14	455.21	2.7927+00	4.6858-01	1.4470-03	4.6858-01	1.4470-03	9.8210-04	2.2652-02	2.9436+04	3.6743-04	1.0880+00
15	456.30	4.7642+00	7.9996-01	2.4723-03	7.9996-01	2.4723-03	1.6780-03	3.8701-02	5.0294+04	6.2781-04	1.3070+00
16	470.79	1.7076+01	2.8953+00	9.0458-03	2.8953+00	9.0458-03	6.1394-03	1.4160-01	1.8401+05	2.2984-03	1.6410+00
19	464.67	1.0400+00	1.5970-01	4.9666-04	1.5970-01	4.9666-04	3.3708-04	7.7745-03	1.0103+04	1.2616-04	4.1100-01
20	463.04	1.8670+00	3.0019-01	9.3244-04	3.0019-01	9.3244-04	6.3285-04	1.4596-02	1.8968+04	2.3684-04	7.1100-01
21	455.86	2.9849+00	4.8494-01	1.4983-03	4.8494-01	1.4983-03	1.0169-03	2.3454-02	3.0479+04	3.8045-04	1.0880+00
22	454.65	4.8556+00	7.9296-01	2.4478-03	7.9296-01	2.4478-03	1.6613-03	3.8316-02	4.9794+04	6.2152-04	1.3070+00
23	468.24	1.7098+01	2.7757+00	8.6555-03	2.7757+00	8.6555-03	5.8745-03	1.3549-01	1.7607+05	2.1990-03	1.6410+00
24	451.10	1.5371+00	2.5042-01	7.7098-04	2.5042-01	7.7098-04	5.2326-04	1.2069-02	1.5684+04	1.9573-04	3.6090+00
25	457.67	1.3678+00	2.1846-01	6.7585-04	2.1846-01	6.7585-04	4.5870-04	1.0580-02	1.3749+04	1.7163-04	3.3930+00
26	463.86	1.2218+00	1.9717-01	6.1280-04	1.9717-01	6.1280-04	4.1591-04	9.5927-03	1.2466+04	1.5566-04	3.7770+00
27	462.58	1.4400+00	2.3146-01	7.1871-04	2.3146-01	7.1871-04	4.8779-04	1.1251-02	1.4620+04	1.8255-04	7.1100-01
28	456.72	3.1444+00	5.1115-01	1.5803-03	5.1115-01	1.5803-03	1.0725-03	2.4737-02	3.2147+04	4.0129-04	1.0880+00
29	456.03	5.1257+00	8.4541-01	2.6123-03	8.4541-01	2.6123-03	1.7730-03	4.0892-02	5.3141+04	6.6334-04	1.3070+00
30	473.31	1.9608+01	3.2815+00	1.0272-02	3.2815+00	1.0272-02	6.9715-03	1.6079-01	2.0896+05	2.6102-03	1.6410+00
31	476.65	2.3304+01	3.9668+00	1.2448-02	3.9668+00	1.2448-02	8.4486-03	1.9486-01	2.5323+05	3.1637-03	1.7720+00
32	445.26	2.0613+00	3.3849-01	1.0376-03	3.3849-01	1.0376-03	7.0424-04	1.6243-02	2.1108+04	2.6337-04	2.4660+00
33	452.14	1.2010+00	1.9875-01	6.1236-04	1.9875-01	6.1236-04	4.1561-04	9.5857-03	1.2457+04	1.5547-04	3.0090+00
34	458.90	1.3590+00	2.2257-01	6.8921-04	2.2257-01	6.8921-04	4.6777-04	1.0789-02	1.4020+04	1.7503-04	3.3930+00
35	464.44	1.3003+00	2.0477-01	6.3671-04	2.0477-01	6.3671-04	4.3214-04	9.9669-03	1.2952+04	1.6174-04	3.7770+00
36	457.79	4.6665+00	7.6142-01	2.3559-03	7.6142-01	2.3559-03	1.5989-03	3.6878-02	4.7924+04	5.9826-04	1.3070+00
37	446.14	2.0665+00	3.4358-01	1.0539-03	3.4358-01	1.0539-03	7.1529-04	1.6498-02	2.1439+04	2.6751-04	2.4660+00
38	454.20	1.5584+00	2.5443-01	7.8513-04	2.5443-01	7.8513-04	5.3286-04	1.2290-02	1.5971+04	1.9935-04	3.0090+00
39	460.38	1.3397+00	2.1833-01	6.7681-04	2.1833-01	6.7681-04	4.5935-04	1.0595-02	1.3768+04	1.7189-04	3.3930+00
40	464.96	1.2888+00	2.0877-01	6.4940-04	2.0877-01	6.4940-04	4.4075-04	1.0166-02	1.3211+04	1.6496-04	3.7770+00
41	467.04	1.2873+00	2.0435-01	6.3665-04	2.0435-01	6.3665-04	4.3209-04	9.9660-03	1.2951+04	1.6174-04	4.1620+00
43	461.98	8.6390-01	1.4391-01	4.4667-04	1.4391-01	4.4667-04	3.0315-04	6.9920-03	9.0863+03	1.1345-04	5.3230+00
47	461.92	1.6499+00	2.6752-01	8.3027-04	2.6752-01	8.3027-04	5.6350-04	1.2997-02	1.6890+04	2.1088-04	7.1100-01
48	456.38	3.0379+00	4.9969-01	1.5444-03	4.9969-01	1.5444-03	1.0482-03	2.4176-02	3.1418+04	3.9219-04	1.0880+00
49	453.94	5.1278+00	8.4706-01	2.6134-03	8.4706-01	2.6134-03	1.7737-03	4.0909-02	5.3162+04	6.6355-04	1.3070+00
50	472.23	2.0239+01	3.4048+00	1.0649-02	3.4048+00	1.0649-02	7.2276-03	1.6670-01	2.1663+05	2.7060-03	1.6410+00
51	478.86	2.4515+01	4.1790+00	1.3136-02	4.1790+00	1.3136-02	8.9152-03	2.0562-01	2.6722+05	3.3388-03	1.7720+00
52	448.92	2.1657+00	3.6182-01	1.1122-03	3.6182-01	1.1122-03	7.5482-04	1.7409-02	2.2624+04	2.8232-04	2.4660+00
53	455.60	1.5408+00	2.5179-01	7.7777-04	2.5179-01	7.7777-04	5.2787-04	1.2175-02	1.5822+04	1.9750-04	3.0090+00
54	461.99	1.4421+00	2.3384-01	7.2577-04	2.3384-01	7.2577-04	4.9258-04	1.1361-02	1.4764+04	1.8434-04	3.3930+00
55	463.91	1.3512+00	2.1538-01	6.6943-04	2.1538-01	6.6943-04	4.5434-04	1.0479-02	1.3618+04	1.7004-04	3.7770+00
56	462.24	1.0582+00	1.6379-01	5.0846-04	1.6379-01	5.0846-04	3.4509-04	7.9593-03	1.0343+04	1.2915-04	4.1100-01
57	461.90	1.8618+00	3.0004-01	9.3120-04	3.0004-01	9.3120-04	6.3200-04	1.4577-02	1.8943+04	2.3652-04	7.1100-01
58	453.21	3.0405+00	4.9904-01	1.5388-03	4.9904-01	1.5388-03	1.0444-03	2.4088-02	3.1303+04	3.9070-04	1.0880+00
59	449.54	5.3314+00	8.7546-01	2.6922-03	8.7546-01	2.6922-03	1.8272-03	4.2143-02	5.4766+04	6.8344-04	1.3070+00
60	474.16	2.2695+01	3.8004+00	1.1903-02	3.8004+00	1.1903-02	8.0789-03	1.8633-01	2.4215+05	3.0250-03	1.6410+00
61	461.18	1.5060+00	2.4629-01	7.6395-04	2.4629-01	7.6395-04	5.1849-04	1.1959-02	1.5541+04	1.9403-04	3.0090+00
62	464.90	1.4119+00	2.2940-01	7.1355-04	2.2940-01	7.1355-04	4.8428-04	1.1170-02	1.4515+04	1.8126-04	3.3930+00
63	465.83	1.3974+00	2.2304-01	6.9423-04	2.2304-01	6.9423-04	4.7117-04	1.0867-02	1.4122+04	1.7636-04	3.7770+00
64	452.64	3.0208+00	5.0596-01	1.5595-03	5.0596-01	1.5595-03	1.0584-03	2.4412-02	3.1724+04	3.9594-04	1.0880+00
65	449.07	5.4083+00	9.0365-01	2.7779-03	9.0365-01	2.7779-03	1.8854-03	4.3484-02	5.6510+04	7.0518-04	1.3070+00
66	472.10	2.3154+01	3.9294+00	1.2288-02	3.9294+00	1.2288-02	8.3402-03	1.9236-01	2.4998+05	3.1225-03	1.6410+00
69	462.52	1.0696+00	1.8036-01	5.6000-04	1.8036-01	5.6000-04	3.8007-04	8.7661-03	1.1392+04	1.4224-04	4.1100-01
70	456.37	1.9257+00	3.2337-01	9.9945-04	3.2337-01	9.9945-04	6.7832-04	1.5645-02	2.0331+04	2.5379-04	7.1100-01
71	446.86	5.3642+00	8.9229-01	2.7385-03	8.9229-01	2.7385-03	1.8586-03	4.2868-02	5.5709+04	6.9513-04	1.3070+00
72	471.37	2.2881+01	3.8812+00	1.2131-02	3.8812+00	1.2131-02	8.2333-03	1.8990-01	2.4678+05	3.0824-03	1.6410+00
73	467.61	1.3662+00	2.2238-01	6.9310-04	2.2238-01	6.9310-04	4.7041-04	1.0850-02	1.4099+04	1.7608-04	3.7770+00
74	468.78	9.4597-01	1.5643-01	4.8800-04	1.5643-01	4.8800-04	3.3121-04	7.6391-03	9.9272+03	1.2398-04	5.3230+00
77	453.03	1.3984+00	2.3224-01	7.1601-04	2.3224-01	7.1601-04	4.8596-04	1.1208-02	1.4566+04	1.8179-04	3.0090+00
78	459.19	1.2442+00	2.0503-01	6.3504-04	2.0503-01	6.3504-04	4.3100-04	9.9408-03	1.2918+04	1.6128-04	3.3930+00
79	462.87	1.1044+00	1.7919-01	5.5652-04	1.7919-01	5.5652-04	3.7771-04	8.7117-03	1.1321+04	1.4136-04	3.7770+00
80	445.62	2.1018+00	3.5137-01	1.0774-03	3.5137-01	1.0774-03	7.3124-04	1.6866-02	2.1917+04	2.7347-04	2.4660+00
81	451.01	1.4218+00	2.3579-01	7.2590-04	2.3579-01	7.2590-04	4.9266-04	1.1363-02	1.4767+04	1.8429-04	3.0090+00
82	456.90	1.1865+00	1.9581-01	6.0545-04	1.9581-01	6.0545-04	4.1092-04	9.4775-03	1.2316+04	1.5375-04	3.3930+00
83	462.04	1.1325+00	1.8587-01	5.7692-04	1.8587-01	5.7692-04	3.9155-04	9.0309-03	1.1736+04	1.4653-04	3.7770+00
337	480.58	1.3296+01	2.4880+00	7.8306-03	2.4880+00	7.8306-03	5.3146-03	1.2258-01	1.5930+05	1.9905-03	7.1680+00
339	481.39	1.3143+01	2.5133+00	7.9152-03	2.5133+00	7.9152-03	5.3720-03	1.2390-01	1.6102+05	2.0121-03	8.1130+00
340	475.43	2.4551+00	4.5785-01	1.4354-03	4.5785-01	1.4354-03	9.7424-04	2.2470-02	2.9201+04	3.6480-04	8.6180+00
342	482.54	1.5444+01	2.9864+00	9.4133-03	2.9864+00	9.4133-03	6.3888-03	1.4735-01	1.9149+05	2.3930-03	7.1680+00
344	481.63	1.3303+01	2.5575+00	8.0558-03	2.5575+00	8.0558-03	5.4675-03	1.2610-01	1.6388+05	2.0478-03	8.1130+00
347	478.82	1.6718+01	3.1249+00	9.8221-03	3.1249+00	9.8221-03	6.6662-03	1.5375-01	1.9981+05	2.4965-03	7.1680+00
349	476.02	1.2707+01	2.4276+00	7.6143-03	2.4276+00	7.6143-03	5.1678-03	1.1919-01	1.5489+05	1.9351-03	8.1130+00
350	471.31	2.2073+00	3.8753-01	1.2112-03	3.8753-01	1.2112-03	8.2204-04	1.8960-02	2.4639+04	3.0776-04	8.6180+00
352	488.02	1.8982+01	3.4837+00	1.1027-02	3.4837+00	1.1027-02	7.4839-03	1.7261-01	2.2431+05	2.8038-03	7.1680+00
354	488.05	1.2285+01	2.3595+00	7.4684-03	2.3595+00	7.4684-03	5.0688-03	1.1691-01	1.5193+05	1.8990-03	8.1130+00
357	490.76	1.8163+01	3.3303+00	1.0563-02	3.3303+00	1.0563-02	7.1693-03	1.6536-01	2.1488+05	2.6863-03	7.1680+00
359	496.04	1.2600+01	2.2737+00	7.2412-03	2.2737+00	7.2412-03	4.9146-03	1.1335-01	1.4730+05	1.8419-03	8.1130+00
401	459.48	2.0852+00	1.7339-01	5.3715-04	1.7339-01	5.3715-04	3.6456-04	8.4084-03	1.0927+04	1.3642-04	4.5500-01
403	457.04	2.5465+00	2.0890-01	6.4598-04	2.0890-01	6.4598-04	4.3842-04	1.0112-02	1.3141+04	1.6404-04	6.8600-01
404	366.49	-1.5412+02	-3.7795+00	-7.3128-03	-3.7795+00	-7.3128-03	-4.9632-03	-1.1447-01	-1.4876+05	-1.8023-03	8.0100-01
405	457.92	4.6525+00	3.8188-01	1.1817-03	3.8188-01	1.1817-03	8.0200-04	1.8498-02	2.4038+04	3.0009-04	1.0510+00
406	461.30	5.8582+00	4.8484-01	1.5040-03	4.8484-01	1.5040-03	1.0208-03	2.3544-02	3.0596+04	3.8200-04	1.1670+00
407	462.45	7.0036+00	5.9045-01	1.8332-03	5.9045-01	1.8332-03	1.2442-03	2.8697-02	3.7293+04	4.6564-04	1.2830+00
408	459.80	3.3543+00	2.7238-01	8.4401-04	2.7238-01	8.4401-04	5.7283-04	1.3212-02	1.7169+04	2.1435-04	5.1300-01
409	458.03	3.8244+00	3.1582-01	9.7733-04	3.1582-01	9.7733-04	6.6332-04	1.5299-02	1.9881+04	2.4819-04	5.7000-01
410	458.15	3.7091+00	2.9538-01	9.1416-04	2.9538-01	9.1416-04	6.2044-04	1.4310-02	1.8596+04	2.3215-04	6.2800-01
411	459.08	4.2208+00	3.4880-01	1.0802-03	3.4880-01	1.0802-03	7.3316-04	1.6910-02	2.1975+04	2.7434-04	6.8600-01
412	469.95	2.7693+00	2.2916-01	7.1550-04	2.2916-01	7.1550-04	4.8561-04	1.1200-02	1.4555+04	1.8179-04	7.4400-01
413	459.56	4.5693+00	3.7998-01	1.1772-03	3.7998-01	1.1772-03	7.9897-04	1.8428-02	2.3947+04	2.9897-04	8.0100-01
414	456.87	4.1403+00	3.3960-01	1.0500-03	3.3960-01	1.0500-03	7.1264-04	1.6437-02	2.1360+04	2.6664-04	8.5900-01
415	458.04	4.7164+00	3.8948-01	1.2053-03	3.8948-01	1.2053-03	8.1803-04	1.8867-02	2.4519+04	3.0608-04	9.1700-01
416	458.82	3.9922+00	3.0629-01	9.4841-04	3.0629-01	9.4841-04	6.4368-04	1.4846-02	1.9293+04	2.4086-04	5.7000-01
417	458.51	5.7164+00	4.6940-01	1.4531-03	4.6940-01	1.4531-03	9.8623-04	2.2747-02	2.9560+04	3.6903-04	1.0520+00

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19 1 12.00 .00 .00 -.00 402 1 1.90 10.09 459.2 1729.3

8.41311+01 9.81356-03 6.99871-01 4.53650+03 9.78659-06 6.81462-08 5.46568-02 7.72000+00 7.04246-06 7.47024-02

1	440.31	1.5190+00	2.5227-01	7.7096-04	2.5227-01	7.7096-04	5.3973-04	1.2269-02	1.5689+04	1.9571-04	4.1100-01
2	433.46	2.1797+00	3.6028-01	1.0956-03	3.6028-01	1.0956-03	7.6697-04	1.7435-02	2.2295+04	2.7803-04	7.1100-01
3	436.64	5.7777+00	9.5710-01	2.9172-03	9.5710-01	2.9172-03	2.0422-03	4.6425-02	5.9366+04	7.4041-04	1.3070+00
4	444.37	1.6385+01	2.7289+00	8.3649-03	2.7289+00	8.3649-03	5.8560-03	1.3312-01	1.7023+05	2.1238-03	1.6410+00
5	452.08	2.3295+01	4.0827+00	1.2586-02	4.0827+00	1.2586-02	8.8110-03	2.0029-01	2.5613+05	3.1965-03	1.7720+00
6	470.21	1.7901+00	2.9898-01	9.3423-04	2.9898-01	9.3423-04	6.5403-04	1.4868-02	1.9012+04	2.3745-04	2.4660+00
7	456.27	1.4083+00	2.3232-01	7.1841-04	2.3232-01	7.1841-04	5.0294-04	1.1433-02	1.4620+04	1.8249-04	3.0090+00
8	448.31	1.3834+00	2.2502-01	6.9201-04	2.2502-01	6.9201-04	4.8446-04	1.1013-02	1.4083+04	1.7573-04	3.3930+00
9	445.63	1.1922+00	1.9350-01	5.9368-04	1.9350-01	5.9368-04	4.1562-04	9.4480-03	1.2082+04	1.5074-04	3.7770+00
10	461.14	7.8909-01	1.2982-01	4.0292-04	1.2982-01	4.0292-04	2.8207-04	6.4121-03	8.1996+03	1.0237-04	5.3230+00
14	428.11	3.6795+00	6.0589-01	1.8353-03	6.0589-01	1.8353-03	1.2848-03	2.9207-02	3.7348+04	4.6564-04	1.0880+00
15	427.23	5.1797+00	8.5240-01	2.5803-03	8.5240-01	2.5803-03	1.8064-03	4.1063-02	5.2510+04	6.5464-04	1.3070+00
16	438.24	2.0013+01	3.3189+00	1.0128-02	3.3189+00	1.0128-02	7.0902-03	1.6118-01	2.0611+05	2.5707-03	1.6410+00
19	446.78	1.2343+00	1.8724-01	5.7497-04	1.8724-01	5.7497-04	4.0252-04	9.1502-03	1.1701+04	1.4600-04	4.1100-01
20	441.13	2.1252+00	3.3663-01	1.0294-03	3.3663-01	1.0294-03	7.2066-04	1.6382-02	2.0949+04	2.6132-04	7.1100-01
21	429.42	3.8847+00	6.1967-01	1.8788-03	6.1967-01	1.8788-03	1.3153-03	2.9899-02	3.8234+04	4.7671-04	1.0880+00
22	425.48	4.8239+00	7.7200-01	2.3340-03	7.7200-01	2.3340-03	1.6339-03	3.7143-02	4.7497+04	5.9210-04	1.3070+00
23	458.97	-2.4416-02	-3.9390-03	-1.2205-05	-3.9390-03	-1.2205-05	-8.5446-06	-1.9424-04	-2.4838+02	-3.1007-06	1.6410+00
24	454.15	1.5647+00	2.5544-01	7.8867-04	2.5544-01	7.8867-04	5.5212-04	1.2551-02	1.6050+04	2.0032-04	3.0090+00
25	450.94	1.4852+00	2.3612-01	7.2729-04	2.3612-01	7.2729-04	5.0916-04	1.1574-02	1.4801+04	1.8470-04	3.3930+00
26	449.31	1.3273+00	2.1208-01	6.5244-04	2.1208-01	6.5244-04	4.5676-04	1.0383-02	1.3277+04	1.6568-04	3.7770+00
27	440.69	1.7740+00	2.8092-01	8.5876-04	2.8092-01	8.5876-04	6.0120-04	1.3666-02	1.7476+04	2.1800-04	7.1100-01
28	431.10	3.8468+00	6.1435-01	1.8649-03	6.1435-01	1.8649-03	1.3056-03	2.9679-02	3.7952+04	4.7323-04	1.0880+00
29	428.61	5.7558+00	9.3150-01	2.8226-03	9.3150-01	2.8226-03	1.9760-03	4.4919-02	5.7440+04	7.1615-04	1.3070+00
30	441.46	2.2235+01	3.6416+00	1.1139-02	3.6416+00	1.1139-02	7.7979-03	1.7726-01	2.2668+05	2.8277-03	1.6410+00
31	452.41	2.6083+01	4.3681+00	1.3469-02	4.3681+00	1.3469-02	9.4293-03	2.1435-01	2.7410+05	3.4208-03	1.7720+00
32	463.35	1.9184+00	3.1894-01	9.9149-04	3.1894-01	9.9149-04	6.9411-04	1.5779-02	2.0177+04	2.5193-04	2.4660+00
33	448.75	1.7543+00	2.8962-01	8.9064-04	2.8962-01	8.9064-04	6.2351-04	1.4174-02	1.8125+04	2.2617-04	3.0090+00
34	444.91	1.6016+00	2.5981-01	7.9671-04	2.5981-01	7.9671-04	5.5775-04	1.2679-02	1.6213+04	2.0228-04	3.3930+00
35	444.56	1.5184+00	2.3591-01	7.2324-04	2.3591-01	7.2324-04	5.0632-04	1.1510-02	1.4718+04	1.8362-04	3.7770+00
36	430.94	5.5325+00	8.8614-01	2.6897-03	8.8614-01	2.6897-03	1.8830-03	4.2804-02	5.4737+04	6.8251-04	1.3070+00
37	457.92	2.0691+00	3.4679-01	1.0737-03	3.4679-01	1.0737-03	7.5168-04	1.7087-02	2.1851+04	2.7276-04	2.4660+00
38	445.63	1.6384+00	2.6593-01	8.1590-04	2.6593-01	8.1590-04	5.7119-04	1.2984-02	1.6604+04	2.0716-04	3.0090+00
39	441.91	1.5491+00	2.4927-01	7.6270-04	2.4927-01	7.6270-04	5.3395-04	1.2138-02	1.5521+04	1.9362-04	3.3930+00
40	442.50	1.4613+00	2.3311-01	7.1356-04	2.3311-01	7.1356-04	4.9954-04	1.1356-02	1.4521+04	1.8115-04	3.7770+00
41	448.28	1.3319+00	2.0877-01	6.4178-04	2.0877-01	6.4178-04	4.4929-04	1.0213-02	1.3061+04	1.6297-04	4.1620+00
43	462.52	9.5844-01	1.5972-01	4.9623-04	1.5972-01	4.9623-04	3.4739-04	7.8970-03	1.0098+04	1.2608-04	5.3230+00
47	441.47	2.0223+00	3.2336-01	9.8907-04	3.2336-01	9.8907-04	6.9242-04	1.5740-02	2.0128+04	2.5109-04	7.1100-01
48	434.57	3.2151+00	5.2094-01	1.5854-03	5.2094-01	1.5854-03	1.1099-03	2.5230-02	3.2263+04	4.0235-04	1.0880+00
49	433.16	6.5190+00	1.0615+00	3.2268-03	1.0615+00	3.2268-03	2.2590-03	5.1352-02	6.5667+04	8.1886-04	1.3070+00
50	448.08	2.1493+01	3.5572+00	1.0934-02	3.5572+00	1.0934-02	7.6544-03	1.7400-01	2.2251+05	2.7764-03	1.6410+00
51	457.20	2.7191+01	4.5685+00	1.4137-02	4.5685+00	1.4137-02	9.8972-03	2.2498-01	2.8770+05	3.5913-03	1.7720+00
52	455.56	2.1569+00	3.6198-01	1.1188-03	3.6198-01	1.1188-03	7.8324-04	1.7805-02	2.2768+04	2.8419-04	2.4660+00
53	443.74	1.6847+00	2.7307-01	8.3666-04	2.7307-01	8.3666-04	5.8572-04	1.3315-02	1.7026+04	2.1241-04	3.0090+00
54	441.90	1.5491+00	2.4776-01	7.5809-04	2.4776-01	7.5809-04	5.3071-04	1.2064-02	1.5427+04	1.9245-04	3.3930+00
55	443.22	1.5455+00	2.4290-01	7.4391-04	2.4290-01	7.4391-04	5.2079-04	1.1839-02	1.5139+04	1.8886-04	3.7770+00
56	446.76	1.0945+00	1.6764-01	5.1478-04	1.6764-01	5.1478-04	3.6038-04	8.1922-03	1.0476+04	1.3071-04	4.1100-01
57	442.45	1.9195+00	3.0525-01	9.3437-04	3.0525-01	9.3437-04	6.5413-04	1.4870-02	1.9015+04	2.3721-04	7.1100-01
58	433.31	3.4603+00	5.6017-01	1.7032-03	5.6017-01	1.7032-03	1.1924-03	2.7105-02	3.4661+04	4.3223-04	1.0880+00
59	432.55	5.9039+00	9.5811-01	2.9116-03	9.5811-01	2.9116-03	2.0383-03	4.6335-02	5.9251+04	7.3885-04	1.3070+00
60	449.66	2.3591+01	3.8857+00	1.1957-02	3.8857+00	1.1957-02	8.3709-03	1.9029-01	2.4334+05	3.0365-03	1.6410+00
61	446.23	1.6686+00	2.7011-01	8.2911-04	2.7011-01	8.2911-04	5.8043-04	1.3195-02	1.6873+04	2.1052-04	3.0090+00
62	442.69	1.6109+00	2.5779-01	7.8923-04	2.5779-01	7.8923-04	5.5252-04	1.2560-02	1.6061+04	2.0036-04	3.3930+00
63	445.38	1.5086+00	2.3745-01	7.2840-04	2.3745-01	7.2840-04	5.0993-04	1.1592-02	1.4823+04	1.8494-04	3.7770+00
64	432.95	3.9044+00	6.4512-01	1.9610-03	6.4512-01	1.9610-03	1.3728-03	3.1208-02	3.9907+04	4.9764-04	1.0880+00
65	433.90	6.1049+00	1.0094+00	3.0704-03	1.0094+00	3.0704-03	2.1495-03	4.8862-02	6.2484+04	7.7920-04	1.3070+00
66	448.38	2.4093+01	4.0237+00	1.2370-02	4.0237+00	1.2370-02	8.6600-03	1.9686-01	2.5174+05	3.1412-03	1.6410+00
69	443.44	1.1356+00	1.8901-01	5.7896-04	1.8901-01	5.7896-04	4.0531-04	9.2136-03	1.1782+04	1.4699-04	4.1100-01
70	438.31	2.5179+00	4.1759-01	1.2743-03	4.1759-01	1.2743-03	8.9213-04	2.0280-02	2.5934+04	3.2346-04	7.1100-01
71	444.28	6.7642+00	1.1232+00	3.4426-03	1.1232+00	3.4426-03	2.4101-03	5.4787-02	7.0059+04	8.7405-04	1.3070+00
72	458.16	2.5798+01	4.3373+00	1.3431-02	4.3373+00	1.3431-02	9.4029-03	2.1375-01	2.7333+05	3.4121-03	1.6410+00
73	456.35	1.7953+00	2.9001-01	8.9687-04	2.9001-01	8.9687-04	6.2787-04	1.4273-02	1.8252+04	2.2782-04	3.7770+00
74	475.08	1.5704+00	2.6079-01	8.1789-04	2.6079-01	8.1789-04	5.7258-04	1.3016-02	1.6644+04	2.0792-04	5.3230+00
77	451.77	1.1314+00	1.8773-01	5.7861-04	1.8773-01	5.7861-04	4.0507-04	9.2081-03	1.1775+04	1.4695-04	3.0090+00
78	445.88	1.2244+00	1.9995-01	6.1360-04	1.9995-01	6.1360-04	4.2956-04	9.7649-03	1.2487+04	1.5580-04	3.3930+00
79	445.58	1.2182+00	1.9533-01	5.9929-04	1.9533-01	5.9929-04	4.1954-04	9.5371-03	1.2196+04	1.5216-04	3.7770+00
80	471.45	1.8234+00	3.1021-01	9.7022-04	3.1021-01	9.7022-04	6.7923-04	1.5440-02	1.9744+04	2.4661-04	2.4660+00
81	453.85	1.4379+00	2.3893-01	7.3753-04	2.3893-01	7.3753-04	5.1632-04	1.1737-02	1.5009+04	1.8733-04	3.0090+00
82	447.48	1.3377+00	2.1934-01	6.7389-04	2.1934-01	6.7389-04	4.7177-04	1.0724-02	1.3714+04	1.7112-04	3.3930+00
83	445.21	1.2317+00	1.9985-01	6.1297-04	1.9985-01	6.1297-04	4.2912-04	9.7549-03	1.2474+04	1.5563-04	3.7770+00
337	501.32	1.3032+01	2.4717+00	7.9085-03	2.4717+00	7.9085-03	5.5365-03	1.2586-01	1.6094+05	2.0128-03	7.1680+00
339	494.90	1.1478+01	2.2143+00	7.0499-03	2.2143+00	7.0499-03	4.9354-03	1.1219-01	1.4347+05	1.7938-03	8.1130+00
340	475.59	2.4623+00	4.5926-01	1.4409-03	4.5926-01	1.4409-03	1.0087-03	2.2931-02	2.9323+04	3.6632-04	8.6180+00
342	498.00	1.4548+01	2.8414+00	9.0682-03	2.8414+00	9.0682-03	6.3484-03	1.4431-01	1.8454+05	2.3076-03	7.1680+00
344	489.15	1.2794+01	2.4718+00	7.8355-03	2.4718+00	7.8355-03	5.4854-03	1.2470-01	1.5946+05	1.9932-03	8.1130+00
347	495.34	1.6078+01	3.0377+00	9.6751-03	3.0377+00	9.6751-03	6.7732-03	1.5397-01	1.9689+05	2.4618-03	7.1680+00
349	484.84	1.2726+01	2.4454+00	7.7263-03	2.4454+00	7.7263-03	5.4090-03	1.2296-01	1.5723+05	1.9650-03	8.1130+00
350	469.53	2.5953+00	4.5512-01	1.4214-03	4.5512-01	1.4214-03	9.9508-04	2.2620-02	2.8926+04	3.6127-04	8.6180+00
352	501.56	2.1884+01	4.0517+00	1.2966-02	4.0517+00	1.2966-02	9.0774-03	2.0635-01	2.6387+05	3.3001-03	7.1680+00
354	492.80	1.4443+01	2.7825+00	8.8448-03	2.7825+00	8.8448-03	6.1920-03	1.4076-01	1.8000+05	2.2503-03	8.1130+00
357	507.74	2.3895+01	4.4293+00	1.4242-02	4.4293+00	1.4242-02	9.9707-03	2.2666-01	2.8984+05	3.6259-03	7.1680+00
359	498.79	1.4428+01	2.6082+00	8.3292-03	2.6082+00	8.3292-03	5.8310-03	1.3255-01	1.6950+05	2.1196-03	8.1130+00
401	448.97	2.5418+00	2.0985-01	6.4544-04	2.0985-01	6.4544-04	4.5186-04	1.0272-02	1.3135+04	1.6390-04	4.5500-01
403	449.95	2.4442+00	1.9954-01	6.1416-04	1.9954-01	6.1416-04	4.2995-04	9.7738-03	1.2498+04	1.5597-04	6.8600-01
404	229.43	1.0552+02	7.2667+00	1.9247-02	7.2667+00	1.9247-02	1.3474-02	3.0630-01	3.9168+05	4.8448-03	8.0100-01
405	453.39	4.0852+00	3.3429-01	1.0316-03	3.3429-01	1.0316-03	7.2216-04	1.6416-02	2.0993+04	2.6200-04	1.0510+00
406	453.96	6.3694+00	5.2453-01	1.6193-03	5.2453-01	1.6193-03	1.1336-03	2.5769-02	3.2953+04	4.1128-04	1.1670+00
407	456.69	7.5777+00	6.3636-01	1.9685-03	6.3636-01	1.9685-03	1.3781-03	3.1326-02	4.0059+04	5.0003-04	1.2830+00
408	451.33	3.3761+00	2.7257-01	8.3982-04	2.7257-01	8.3982-04	5.8794-04	1.3365-02	1.7091+04	2.1329-04	5.1300-01
409	449.10	4.1023+00	3.3671-01	1.0357-03	3.3671-01	1.0357-03	7.2508-04	1.6483-02	2.1078+04	2.6302-04	5.7000-01
410	451.25	3.6343+00	2.8807-01	8.8751-04	2.8807-01	8.8751-04	6.2132-04	1.4124-02	1.8061+04	2.2540-04	6.2800-01
411	452.26	4.5891+00	3.7748-01	1.1638-03	3.7748-01	1.1638-03	8.1478-04	1.8522-02	2.3685+04	2.9559-04	6.8600-01
412	460.91	3.3823+00	2.7819-01	8.6325-04	2.7819-01	8.6325-04	6.0434-04	1.3738-02	1.7568+04	2.1933-04	7.4400-01
413	452.75	4.9766+00	4.1193-01	1.2705-03	4.1193-01	1.2705-03	8.8946-04	2.0219-02	2.5856+04	3.2269-04	8.0100-01
414	452.36	3.9735+00	3.2492-01	1.0019-03	3.2492-01	1.0019-03	7.0138-04	1.5944-02	2.0388+04	2.5445-04	8.5900-01
415	454.15	5.4275+00	4.4702-01	1.3802-03	4.4702-01	1.3802-03	9.6623-04	2.1965-02	2.8087+04	3.5056-04	9.1700-01
416	452.14	3.7449+00	2.8602-01	8.8177-04	2.8602-01	8.8177-04	6.1730-04	1.4033-02	1.7944+04	2.2395-04	5.7000-01
417	454.16	5.9314+00	4.8562-01	1.4994-03	4.8562-01	1.4994-03	1.0497-03	2.3861-02	3.0513+04	3.8084-04	1.0520+00

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8.41492+01 9.81325-03 6.99849-01 4.53699+03 9.78419-06 6.81608-08 5.46375-02 7.72000+00 7.04417-06 7.47003-02

1	440.63	1.2717+00	2.1125-01	6.4585-04	2.1125-01	6.4585-04	4.5220-04	1.0278-02	1.3140+04	1.6388-04	4.1100-01
2	433.91	2.0026+00	3.3111-01	1.0073-03	3.3111-01	1.0073-03	7.0530-04	1.6031-02	2.0495+04	2.5554-04	7.1100-01
3	437.54	4.5777+00	7.5879-01	2.3146-03	7.5879-01	2.3146-03	1.6206-03	3.6835-02	4.7092+04	5.8724-04	1.3070+00
4	447.93	1.4312+01	2.3895+00	7.3448-03	2.3895+00	7.3448-03	5.1426-03	1.1689-01	1.4943+05	1.8643-03	1.6410+00
5	457.69	2.1703+01	3.8183+00	1.1822-02	3.8183+00	1.1822-02	8.2773-03	1.8814-01	2.4052+05	3.0019-03	1.7720+00
6	470.67	1.8582+00	3.1044-01	9.7053-04	3.1044-01	9.7053-04	6.7953-04	1.5445-02	1.9746+04	2.4658-04	2.4660+00
7	456.62	1.4395+00	2.3752-01	7.3479-04	2.3752-01	7.3479-04	5.1448-04	1.1694-02	1.4950+04	1.8658-04	3.0090+00
8	449.15	1.3574+00	2.2085-01	6.7945-04	2.2085-01	6.7945-04	4.7573-04	1.0813-02	1.3824+04	1.7247-04	3.3930+00
9	445.92	1.1564+00	1.8772-01	5.7615-04	1.8772-01	5.7615-04	4.0340-04	9.1690-03	1.1722+04	1.4623-04	3.7770+00
10	461.32	7.1481-01	1.1762-01	3.6514-04	1.1762-01	3.6514-04	2.5566-04	5.8108-03	7.4289+03	9.2733-05	5.3230+00
14	428.89	3.3642+00	5.5427-01	1.6801-03	5.5427-01	1.6801-03	1.1764-03	2.6738-02	3.4183+04	4.2611-04	1.0880+00
15	428.20	4.8057+00	7.9140-01	2.3977-03	7.9140-01	2.3977-03	1.6788-03	3.8157-02	4.8782+04	6.0809-04	1.3070+00
16	442.82	1.8702+01	3.1114+00	9.5280-03	3.1114+00	9.5280-03	6.6712-03	1.5163-01	1.9385+05	2.4179-03	1.6410+00
19	447.08	1.1761+00	1.7845-01	5.4818-04	1.7845-01	5.4818-04	3.8382-04	8.7238-03	1.1153+04	1.3914-04	4.1100-01
20	441.60	1.9870+00	3.1484-01	9.6325-04	3.1484-01	9.6325-04	6.7444-04	1.5329-02	1.9598+04	2.4443-04	7.1100-01
21	430.16	3.3127+00	5.2872-01	1.6041-03	5.2872-01	1.6041-03	1.1232-03	2.5528-02	3.2637+04	4.0686-04	1.0880+00
22	426.33	4.5507+00	7.2871-01	2.2048-03	7.2871-01	2.2048-03	1.5437-03	3.5087-02	4.4857+04	5.5912-04	1.3070+00
23	458.96	-4.6752-02	-7.5425-03	-2.3374-05	-7.5425-03	-2.3374-05	-1.6366-05	-3.7198-04	-4.7556+02	-5.9357-06	1.6410+00
24	454.56	1.6208+00	2.6467-01	8.1755-04	2.6467-01	8.1755-04	5.7242-04	1.3011-02	1.6633+04	2.0757-04	3.0090+00
25	451.29	1.4088+00	2.2403-01	6.9035-04	2.2403-01	6.9035-04	4.8336-04	1.0986-02	1.4046+04	1.7525-04	3.3930+00
26	449.62	1.3226+00	2.1137-01	6.5053-04	2.1137-01	6.5053-04	4.5548-04	1.0353-02	1.3235+04	1.6513-04	3.7770+00
27	441.03	1.5777+00	2.4988-01	7.6420-04	2.4988-01	7.6420-04	5.3507-04	1.2162-02	1.5548+04	1.9392-04	7.1100-01
28	431.87	3.4514+00	5.5151-01	1.6754-03	5.5151-01	1.6754-03	1.1730-03	2.6662-02	3.4086+04	4.2497-04	1.0880+00
29	430.03	5.6421+00	9.1400-01	2.7728-03	9.1400-01	2.7728-03	1.9414-03	4.4127-02	5.6414+04	7.0328-04	1.3070+00
30	446.70	2.1245+01	3.4922+00	1.0724-02	3.4922+00	1.0724-02	7.5089-03	1.7067-01	2.1819+05	2.7220-03	1.6410+00
31	458.95	2.5785+01	4.3374+00	1.3442-02	4.3374+00	1.3442-02	9.4113-03	2.1391-01	2.7347+05	3.4134-03	1.7720+00
32	463.82	1.9808+00	3.2941-01	1.0245-03	3.2941-01	1.0245-03	7.1735-04	1.6305-02	2.0845+04	2.6023-04	2.4660+00
33	449.15	1.6442+00	2.7152-01	8.3534-04	2.7152-01	8.3534-04	5.8488-04	1.3294-02	1.6995+04	2.1204-04	3.0090+00
34	445.26	1.4852+00	2.4099-01	7.3930-04	2.4099-01	7.3930-04	5.1764-04	1.1765-02	1.5041+04	1.8763-04	3.3930+00
35	444.90	1.4701+00	2.2846-01	7.0067-04	2.2846-01	7.0067-04	4.9059-04	1.1151-02	1.4255+04	1.7782-04	3.7770+00
36	432.31	5.3714+00	8.6117-01	2.6169-03	8.6117-01	2.6169-03	1.8323-03	4.1646-02	5.3242+04	6.6380-04	1.3070+00
37	458.43	2.0088+00	3.3681-01	1.0434-03	3.3681-01	1.0434-03	7.3053-04	1.6604-02	2.1228+04	2.6495-04	2.4660+00
38	446.01	1.6062+00	2.6077-01	8.0041-04	2.6077-01	8.0041-04	5.6042-04	1.2738-02	1.6285+04	2.0315-04	3.0090+00
39	442.28	1.5049+00	2.4223-01	7.4147-04	2.4223-01	7.4147-04	5.1915-04	1.1800-02	1.5086+04	1.8816-04	3.3930+00
40	442.85	1.4291+00	2.2803-01	6.9828-04	2.2803-01	6.9828-04	4.8892-04	1.1113-02	1.4207+04	1.7720-04	3.7770+00
41	448.61	1.4042+00	2.2014-01	6.7700-04	2.2014-01	6.7700-04	4.7401-04	1.0774-02	1.3774+04	1.7184-04	4.1620+00
43	462.71	8.5974-01	1.4329-01	4.4531-04	1.4329-01	4.4531-04	3.1179-04	7.0867-03	9.0601+03	1.1310-04	5.3230+00
47	441.95	1.9314+00	3.0893-01	9.4539-04	3.0893-01	9.4539-04	6.6194-04	1.5045-02	1.9235+04	2.3990-04	7.1100-01
48	435.37	3.2203+00	5.2207-01	1.5900-03	5.2207-01	1.5900-03	1.1133-03	2.5303-02	3.2349+04	4.0337-04	1.0880+00
49	434.27	5.5636+00	9.0667-01	2.7591-03	9.0667-01	2.7591-03	1.9318-03	4.3908-02	5.6135+04	6.9992-04	1.3070+00
50	453.48	2.1535+01	3.5773+00	1.1041-02	3.5773+00	1.1041-02	7.7306-03	1.7571-01	2.2464+05	2.8032-03	1.6410+00
51	464.02	2.6954+01	4.5495+00	1.4153-02	4.5495+00	1.4153-02	9.9092-03	2.2523-01	2.8794+05	3.5947-03	1.7720+00
52	456.10	2.1532+00	3.6151-01	1.1179-03	3.6151-01	1.1179-03	7.8275-04	1.7791-02	2.2745+04	2.8386-04	2.4660+00
53	444.15	1.6795+00	2.7231-01	8.3469-04	2.7231-01	8.3469-04	5.8442-04	1.3283-02	1.6982+04	2.1183-04	3.0090+00
54	442.29	1.5517+00	2.4825-01	7.5989-04	2.4825-01	7.5989-04	5.3205-04	1.2093-02	1.5460+04	1.9283-04	3.3930+00
55	443.61	1.4296+00	2.2475-01	6.8864-04	2.2475-01	6.8864-04	4.8216-04	1.0959-02	1.4011+04	1.7476-04	3.7770+00
56	446.92	1.1439+00	1.7522-01	5.3820-04	1.7522-01	5.3820-04	3.7683-04	8.5650-03	1.0950+04	1.3660-04	4.1100-01
57	442.95	1.9964+00	3.1759-01	9.7263-04	3.1759-01	9.7263-04	6.8101-04	1.5479-02	1.9789+04	2.4683-04	7.1100-01
58	434.18	3.5221+00	5.7052-01	1.7360-03	5.7052-01	1.7360-03	1.2155-03	2.7628-02	3.5321+04	4.4040-04	1.0880+00
59	434.00	5.9309+00	9.6347-01	2.9313-03	9.6347-01	2.9313-03	2.0524-03	4.6650-02	5.9640+04	7.4361-04	1.3070+00
60	455.64	2.4081+01	3.9826+00	1.2312-02	3.9826+00	1.2312-02	8.6203-03	1.9593-01	2.5049+05	3.1260-03	1.6410+00
61	446.64	1.5849+00	2.5665-01	7.8813-04	2.5665-01	7.8813-04	5.5182-04	1.2542-02	1.6035+04	2.0004-04	3.0090+00
62	443.08	1.5382+00	2.4622-01	7.5413-04	2.4622-01	7.5413-04	5.2802-04	1.2001-02	1.5343+04	1.9138-04	3.3930+00
63	445.72	1.4426+00	2.2712-01	6.9698-04	2.2712-01	6.9698-04	4.8801-04	1.1092-02	1.4181+04	1.7690-04	3.7770+00
64	433.91	3.7605+00	6.2176-01	1.8916-03	6.2176-01	1.8916-03	1.3244-03	3.0103-02	3.8485+04	4.7985-04	1.0880+00
65	435.34	5.9449+00	9.8392-01	2.9965-03	9.8392-01	2.9965-03	2.0981-03	4.7687-02	6.0966+04	7.6019-04	1.3070+00
66	454.55	2.4681+01	4.1393+00	1.2786-02	4.1393+00	1.2786-02	8.9523-03	2.0348-01	2.6014+05	3.2463-03	1.6410+00
69	443.72	1.1621+00	1.9345-01	5.9279-04	1.9345-01	5.9279-04	4.1505-04	9.4338-03	1.2061+04	1.5044-04	4.1100-01
70	438.90	2.3875+00	3.9613-01	1.2096-03	3.9613-01	1.2096-03	8.4690-04	1.9249-02	2.4609+04	3.0690-04	7.1100-01
71	445.89	6.5418+00	1.0875+00	3.3376-03	1.0875+00	3.3376-03	2.3369-03	5.3115-02	6.7905+04	8.4709-04	1.3070+00
72	464.91	2.6643+01	4.4997+00	1.4007-02	4.4997+00	1.4007-02	9.8071-03	2.2291-01	2.8498+05	3.5578-03	1.6410+00
73	456.71	1.5236+00	2.4618-01	7.6164-04	2.4618-01	7.6164-04	5.3328-04	1.2121-02	1.5496+04	1.9339-04	3.7770+00
74	475.35	1.2057+00	2.0026-01	6.2829-04	2.0026-01	6.2829-04	4.3991-04	9.9988-03	1.2783+04	1.5966-04	5.3230+00
77	451.99	9.8909-01	1.6414-01	5.0605-04	1.6414-01	5.0605-04	3.5432-04	8.0534-03	1.0296+04	1.2847-04	3.0090+00
78	446.16	1.2431+00	2.0305-01	6.2332-04	2.0305-01	6.2332-04	4.3643-04	9.9195-03	1.2682+04	1.5820-04	3.3930+00
79	445.87	1.1595+00	1.8596-01	5.7073-04	1.8596-01	5.7073-04	3.9961-04	9.0827-03	1.1612+04	1.4485-04	3.7770+00
80	471.92	1.8987+00	3.2312-01	1.0111-03	3.2312-01	1.0111-03	7.0796-04	1.6091-02	2.0572+04	2.5691-04	2.4660+00
81	454.19	1.4088+00	2.3415-01	7.2306-04	2.3415-01	7.2306-04	5.0626-04	1.1507-02	1.4711+04	1.8358-04	3.0090+00
82	447.82	1.3210+00	2.1667-01	6.6593-04	2.1667-01	6.6593-04	4.6626-04	1.0598-02	1.3549+04	1.6903-04	3.3930+00
83	445.51	1.2151+00	1.9719-01	6.0505-04	1.9719-01	6.0505-04	4.2364-04	9.6289-03	1.2310+04	1.5356-04	3.7770+00
337	504.70	1.3189+01	2.5069+00	8.0435-03	2.5069+00	8.0435-03	5.6318-03	1.2801-01	1.6365+05	2.0466-03	1.7680+00
339	497.82	1.1758+01	2.2725+00	7.2528-03	2.2725+00	7.2528-03	5.0782-03	1.1542-01	1.4756+05	1.8449-03	8.1130+00
340	476.21	2.4784+00	4.6245-01	1.4518-03	4.6245-01	1.4518-03	1.0165-03	2.3104-02	2.9538+04	3.6895-04	8.6180+00
342	501.86	1.5344+01	3.0044+00	9.6184-03	3.0044+00	9.6184-03	6.7345-03	1.5307-01	1.9569+05	2.4470-03	7.1680+00
344	492.28	1.2596+01	2.4386+00	7.7497-03	2.4386+00	7.7497-03	5.4261-03	1.2333-01	1.5767+05	1.9708-03	8.1130+00
347	499.47	1.6686+01	3.1610+00	1.0101-02	3.1610+00	1.0101-02	7.0724-03	1.6075-01	2.0551+05	2.5695-03	7.1680+00
349	487.82	1.1986+01	2.3078+00	7.3090-03	2.3078+00	7.3090-03	5.1176-03	1.1632-01	1.4871+05	1.8583-03	8.1130+00
350	470.09	2.2805+00	4.0006-01	1.2502-03	4.0006-01	1.2502-03	8.7532-04	1.9895-02	2.5435+04	3.1762-04	8.6180+00
352	506.28	1.9624+01	3.6442+00	1.1707-02	3.6442+00	1.1707-02	8.1966-03	1.8630-01	2.3818+05	2.9788-03	7.1630+00
354	495.96	1.2380+01	2.3899+00	7.6164-03	2.3899+00	7.6164-03	5.3327-03	1.2121-01	1.5496+05	1.9372-03	8.1130+00
357	512.40	1.8979+01	3.5285+00	1.1389-02	3.5285+00	1.1389-02	7.9743-03	1.8125-01	2.3172+05	2.8988-03	7.1680+00
359	502.09	1.2562+01	2.2756+00	7.2865-03	2.2756+00	7.2865-03	5.1018-03	1.1596-01	1.4829+05	1.8538-03	8.1130+00
401	449.61	2.4623+00	2.0338-01	6.2592-04	2.0338-01	6.2592-04	4.3825-04	9.9609-03	1.2735+04	1.5888-04	4.5500-01
403	450.56	2.3938+00	1.9550-01	6.0210-04	1.9550-01	6.0210-04	4.2157-04	9.5819-03	1.2250+04	1.5284-04	6.8600-01
404	202.73	-7.5571+01	-5.0743+00	-1.3220-02	-5.0743+00	-1.3220-02	-9.2562-03	-2.1039-01	-2.6897+05	-3.3232-03	8.0100-01
405	454.51	4.3112+00	3.5305-01	1.0905-03	3.5305-01	1.0905-03	7.6354-04	1.7355-02	2.2187+04	2.7687-04	1.0510+00
406	455.51	6.1844+00	5.0983-01	1.5759-03	5.0983-01	1.5759-03	1.1034-03	2.5080-02	3.2063+04	4.0014-04	1.1670+00
407	458.45	7.2525+00	6.0978-01	1.8890-03	6.0978-01	1.8890-03	1.3226-03	3.0062-02	3.8433+04	4.7969-04	1.2830+00
408	452.11	3.2135+00	2.5958-01	8.0037-04	2.5958-01	8.0037-04	5.6040-04	1.2737-02	1.6284+04	2.0319-04	5.1300-01
409	450.13	4.0530+00	3.3290-01	1.0249-03	3.3290-01	1.0249-03	7.1761-04	1.6311-02	2.0852+04	2.6017-04	5.7000-01
410	452.12	3.5288+00	2.7987-01	8.6294-04	2.7987-01	8.6294-04	6.0420-04	1.3733-02	1.7557+04	2.1907-04	6.2800-01
411	453.38	4.6161+00	3.7999-01	1.1727-03	3.7999-01	1.1727-03	8.2111-04	1.8663-02	2.3860+04	2.9774-04	6.8600-01
412	461.77	3.1304+00	2.5762-01	8.0004-04	2.5762-01	8.0004-04	5.6016-04	1.2732-02	1.6277+04	2.0319-04	7.4400-01
413	454.02	5.2774+00	4.3721-01	1.3500-03	4.3721-01	1.3500-03	9.4520-04	2.1484-02	2.7466+04	3.4274-04	8.0100-01
414	453.34	4.0904+00	3.3470-01	1.0329-03	3.3470-01	1.0329-03	7.2323-04	1.6438-02	2.1016+04	2.6224-04	8.5900-01
415	455.53	5.5018+00	4.5357-01	1.4021-03	4.5357-01	1.4021-03	9.8167-04	2.2312-02	2.8525+04	3.5599-04	9.1700-01
416	453.05	3.7694+00	2.8806-01	8.8880-04	2.8806-01	8.8880-04	6.2231-04	1.4144-02	1.8083+04	2.2565-04	5.7000-01
417	455.66	5.9423+00	4.8701-01	1.5056-03	4.8701-01	1.5056-03	1.0541-03	2.3960-02	3.0631+04	3.8227-04	1.0520+00

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8.41311+01 9.81356-03 6.99671-01 4.53650+03 9.78659-06 6.81462-08 5.46568-02 7.72000+00 7.04246-06 7.47024-02

1	440.94	1.2784+00	2.1241-01	6.4957-04	2.1241-01	6.4957-04	4.5474-04	1.0337-02	1.3219+04	1.6487-04	4.1100-01
2	434.45	2.0592+00	3.4060-01	1.0366-03	3.4060-01	1.0366-03	7.2570-04	1.6497-02	2.1096+04	2.6304-04	7.1100-01
3	438.77	4.6556+00	7.7236-01	2.3581-03	7.7236-01	2.3581-03	1.6509-03	3.7528-02	4.7989+04	5.9848-04	1.3070+00
4	451.32	1.3730+01	2.2976+00	7.0801-03	2.2976+00	7.0801-03	4.9565-03	1.1267-01	1.4408+05	1.7978-03	1.6410+00
5	462.84	2.0649+01	3.6456+00	1.1331-02	3.6456+00	1.1331-02	7.9322-03	1.8032-01	2.3058+05	2.8785-03	1.7720+00
6	471.14	1.8275+00	3.0541-01	9.5515-04	3.0541-01	9.5515-04	6.6867-04	1.5200-02	1.9438+04	2.4274-04	2.4660+00
7	456.97	1.4296+00	2.3594-01	7.3011-04	2.3594-01	7.3011-04	5.1113-04	1.1619-02	1.4858+04	1.8544-04	3.0090+00
8	449.49	1.3049+00	2.1236-01	6.5350-04	2.1236-01	6.5350-04	4.5750-04	1.0400-02	1.3299+04	1.6593-04	3.3930+00
9	446.20	1.1631+00	1.8885-01	5.7975-04	1.8885-01	5.7975-04	4.0586-04	9.2262-03	1.1798+04	1.4718-04	3.7770+00
10	461.48	6.5455-01	1.0771-01	3.3443-04	1.0771-01	3.3443-04	2.3413-04	5.3222-03	6.8059+03	8.4958-05	5.3230+00
14	429.73	3.2514+00	5.3601-01	1.6258-03	5.3601-01	1.6258-03	1.1381-03	2.5872-02	3.3085+04	4.1245-04	1.0880+00
15	429.54	5.1299+00	8.4557-01	2.5643-03	8.4557-01	2.5643-03	1.7952-03	4.0809-02	5.2185+04	6.5055-04	1.3070+00
16	447.39	1.8119+01	3.0239+00	9.2912-03	3.0239+00	9.2912-03	6.5045-03	1.4786-01	1.8908+05	2.3589-03	1.6410+00
19	447.36	1.2140+00	1.8424-01	5.6609-04	1.8424-01	5.6609-04	3.9630-04	9.0088-03	1.1520+04	1.4372-04	4.1100-01
20	442.11	1.9870+00	3.1495-01	9.6396-04	3.1495-01	9.6396-04	6.7484-04	1.5341-02	1.9617+04	2.4468-04	7.1100-01
21	431.01	3.4192+00	5.4604-01	1.6577-03	5.4604-01	1.6577-03	1.1605-03	2.6381-02	3.3735+04	4.2058-04	1.0880+00
22	427.68	5.2545+00	8.4222-01	2.5507-03	8.4222-01	2.5507-03	1.7857-03	4.0592-02	5.1908+04	6.4705-04	1.3070+00
23	458.95	-4.1557-02	-6.7044-03	-2.0777-05	-6.7044-03	-2.0777-05	-1.4545-05	-3.3065-04	-4.2282+02	-5.2775-06	1.6410+00
24	454.96	1.6234+00	2.6517-01	8.1933-04	2.6517-01	8.1933-04	5.7359-04	1.3039-02	1.6674+04	2.0808-04	3.0090+00
25	451.63	1.1880+00	1.8897-01	5.8244-04	1.8897-01	5.8244-04	4.0775-04	9.2691-03	1.1853+04	1.4790-04	3.3930+00
26	449.96	1.3075+00	2.0901-01	6.4343-04	2.0901-01	6.4343-04	4.5045-04	1.0240-02	1.3094+04	1.6338-04	3.7770+00
27	441.42	1.5818+00	2.5061-01	7.6664-04	2.5061-01	7.6664-04	5.3670-04	1.2200-02	1.5601+04	1.9459-04	7.1100-01
28	432.74	3.4192+00	5.4670-01	1.6618-03	5.4670-01	1.6618-03	1.1634-03	2.6446-02	3.3819+04	4.2165-04	1.0880+00
29	431.41	5.5366+00	8.9779-01	2.7264-03	8.9779-01	2.7264-03	1.9087-03	4.3388-02	5.5483+04	6.9172-04	1.3070+00
30	451.95	2.0936+01	3.4537+00	1.0648-02	3.4537+00	1.0648-02	7.4540-03	1.6945-01	2.1668+05	2.7038-03	1.6410+00
31	465.34	2.5380+01	4.2877+00	1.3351-02	4.2877+00	1.3351-02	9.3469-03	2.1248-01	2.7171+05	3.3923-03	1.7720+00
32	464.33	1.9870+00	3.3055-01	1.0285-03	3.3055-01	1.0285-03	7.2003-04	1.6368-02	2.0931+04	2.6131-04	2.4660+00
33	449.56	1.6203+00	2.6765-01	8.2368-04	2.6765-01	8.2368-04	5.7663-04	1.3108-02	1.6762+04	2.0914-04	3.0090+00
34	445.63	1.4894+00	2.4173-01	7.4176-04	2.4173-01	7.4176-04	5.1928-04	1.1804-02	1.5095+04	1.8831-04	3.3930+00
35	445.27	1.5008+00	2.3328-01	7.1566-04	2.3328-01	7.1566-04	5.0101-04	1.1389-02	1.4564+04	1.8168-04	3.7770+00
36	433.57	5.1808+00	8.3134-01	2.5286-03	8.3134-01	2.5286-03	1.7702-03	4.0240-02	5.1458+04	6.4160-04	1.3070+00
37	458.94	1.9356+00	3.2464-01	1.0060-03	3.2464-01	1.0060-03	7.0430-04	1.6010-02	2.0473+04	2.5554-04	2.4660+00
38	446.41	1.5288+00	2.4827-01	7.6227-04	2.4827-01	7.6227-04	5.3365-04	1.2131-02	1.5513+04	1.9352-04	3.0090+00
39	442.68	1.5361+00	2.4731-01	7.5725-04	2.4731-01	7.5725-04	5.3013-04	1.2051-02	1.5410+04	1.9222-04	3.3930+00
40	443.22	1.4478+00	2.3107-01	7.0780-04	2.3107-01	7.0780-04	4.9551-04	1.1264-02	1.4404+04	1.7967-04	3.7770+00
41	448.96	1.4249+00	2.2345-01	6.8736-04	2.2345-01	6.8736-04	4.8120-04	1.0939-02	1.3988+04	1.7452-04	4.1620+00
43	462.94	8.8156-01	1.4695-01	4.5676-04	1.4695-01	4.5676-04	3.1977-04	7.2690-03	9.2953+03	1.1604-04	5.3230+00
47	442.42	1.8509+00	2.9614-01	9.0659-04	2.9614-01	9.0659-04	6.3468-04	1.4428-02	1.8450+04	2.3012-04	7.1100-01
48	436.18	3.2509+00	5.2734-01	1.6070-03	5.2734-01	1.6070-03	1.1250-03	2.5574-02	3.2703+04	4.0780-04	1.0880+00
49	435.69	5.6665+00	9.2434-01	2.8158-03	9.2434-01	2.8158-03	1.9713-03	4.4811-02	5.7303+04	7.1454-04	1.3070+00
50	458.81	2.1452+01	3.5765+00	1.1083-02	3.5765+00	1.1083-02	7.7586-03	1.7637-01	2.2553+05	2.8151-03	1.6410+00
51	470.74	2.6476+01	4.4890+00	1.4035-02	4.4890+00	1.4035-02	9.8254-03	2.2335-01	2.8562+05	3.5668-03	1.7720+00
52	456.64	2.0738+00	3.4829-01	1.0775-03	3.4829-01	1.0775-03	7.5433-04	1.7148-02	2.1928+04	2.7367-04	2.4660+00
53	444.57	1.6764+00	2.7188-01	8.3364-04	2.7188-01	8.3364-04	5.8361-04	1.3267-02	1.6965+04	2.1162-04	3.0090+00
54	442.67	1.5730+00	2.5172-01	7.7075-04	2.5172-01	7.7075-04	5.3958-04	1.2266-02	1.5685+04	1.9564-04	3.3930+00
55	443.96	1.4306+00	2.2497-01	6.8948-04	2.2497-01	6.8948-04	4.8269-04	1.0973-02	1.4031+04	1.7503-04	3.7770+00
56	447.26	1.3507+00	2.0694-01	6.3578-04	2.0694-01	6.3578-04	4.4509-04	1.0118-02	1.2938+04	1.6141-04	4.1100-01
57	443.46	1.9694+00	3.1340-01	9.6016-04	3.1340-01	9.6016-04	6.7218-04	1.5280-02	1.9540+04	2.4373-04	7.1100-01
58	435.06	3.4774+00	5.6364-01	1.7162-03	5.6364-01	1.7162-03	1.2015-03	2.7312-02	3.4925+04	4.3549-04	1.0880+00
59	435.45	5.7704+00	9.3834-01	2.8579-03	9.3834-01	2.8579-03	2.0008-03	4.5482-02	5.8160+04	7.2523-04	1.3070+00
60	461.64	2.4134+01	4.0076+00	1.2445-02	4.0076+00	1.2445-02	8.7121-03	1.9804-01	2.5325+05	3.1614-03	1.6410+00
61	447.02	1.5662+00	2.5369-01	7.7925-04	2.5369-01	7.7925-04	5.4553-04	1.2401-02	1.5858+04	1.9784-04	3.0090+00
62	443.46	1.5486+00	2.4795-01	7.5963-04	2.4795-01	7.5963-04	5.3180-04	1.2089-02	1.5459+04	1.9283-04	3.3930+00
63	446.08	1.4847+00	2.3380-01	7.1768-04	2.3380-01	7.1768-04	5.0243-04	1.1421-02	1.4605+04	1.8220-04	3.7770+00
64	434.83	3.6462+00	6.0325-01	1.8365-03	6.0325-01	1.8365-03	1.2857-03	2.9227-02	3.7374+04	4.6602-04	1.0880+00
65	436.83	5.9153+00	9.8003-01	2.9879-03	9.8003-01	2.9879-03	2.0918-03	4.7550-02	6.0806+04	7.5826-04	1.3070+00
66	460.74	2.4593+01	4.1418+00	1.2853-02	4.1418+00	1.2853-02	8.9978-03	2.0454-01	2.6156+05	3.2650-03	1.6410+00
69	444.03	1.1932+00	1.9868-01	6.0896-04	1.9868-01	6.0896-04	4.2632-04	9.6911-03	1.2393+04	1.5458-04	4.1100-01
70	439.50	2.3153+00	3.8431-01	1.1740-03	3.8431-01	1.1740-03	8.2186-04	1.8683-02	2.3891+04	2.9796-04	7.1100-01
71	447.50	6.4878+00	1.0797+00	3.3177-03	1.0797+00	3.3177-03	2.3226-03	5.2798-02	6.7516+04	8.4231-04	1.3070+00
72	471.56	2.6098+01	4.4273+00	1.3850-02	4.4273+00	1.3850-02	9.6963-03	2.2042-01	2.8186+05	3.5200-03	1.6410+00
73	457.08	1.5626+00	2.5254-01	7.8153-04	2.5254-01	7.8153-04	5.4713-04	1.2437-02	1.5904+04	1.9850-04	3.7770+00
74	475.64	1.1392+00	1.8925-01	5.9389-04	1.8925-01	5.9389-04	4.1576-04	9.4512-03	1.2086+04	1.5096-04	5.3230+00
77	452.22	1.1938+00	1.9814-01	6.1097-04	1.9814-01	6.1097-04	4.2772-04	9.7231-03	1.2434+04	1.5515-04	3.0090+00
78	446.48	1.2613+00	2.0606-01	6.3272-04	2.0606-01	6.3272-04	4.4295-04	1.0069-02	1.2876+04	1.6063-04	3.3930+00
79	446.16	1.1652+00	1.8691-01	5.7378-04	1.8691-01	5.7378-04	4.0168-04	9.1312-03	1.1677+04	1.4567-04	3.7770+00
80	472.40	1.8810+00	3.2022-01	1.0024-03	3.2022-01	1.0024-03	7.0176-04	1.5953-02	2.0399+04	2.5477-04	2.4660+00
81	454.55	1.4566+00	2.4215-01	7.4797-04	2.4215-01	7.4797-04	5.2363-04	1.1903-02	1.5222+04	1.8996-04	3.0090+00
82	448.13	1.2655+00	2.0760-01	6.3820-04	2.0760-01	6.3820-04	4.4679-04	1.0156-02	1.2988+04	1.6203-04	3.3930+00
83	445.80	1.1870+00	1.9268-01	5.9133-04	1.9268-01	5.9133-04	4.1397-04	9.4104-03	1.2034+04	1.5012-04	3.7770+00
337	507.97	1.3138+01	2.5024+00	8.0492-03	2.5024+00	8.0492-03	5.6350-03	1.2810-01	1.6380+05	2.0489-03	7.1680+00
339	500.79	1.1955+01	2.3150+00	7.4053-03	2.3150+00	7.4053-03	5.1842-03	1.1785-01	1.5070+05	1.8844-03	8.1130+00
340	476.82	2.4296+00	4.5352-01	1.4244-03	4.5352-01	1.4244-03	9.9721-04	2.2669-02	2.8988+04	3.6210-04	8.6180+00
342	505.73	1.5437+01	3.0302+00	9.7300-03	3.0302+00	9.7300-03	6.8117-03	1.5484-01	1.9801+05	2.4765-03	7.1680+00
344	495.44	1.2557+01	2.4360+00	7.7603-03	2.4360+00	7.7603-03	5.4328-03	1.2350-01	1.5793+05	1.9743-03	8.1130+00
347	503.68	1.6712+01	3.1745+00	1.0177-02	3.1745+00	1.0177-02	7.1247-03	1.6196-01	2.0711+05	2.5901-03	7.1680+00
349	490.79	1.1964+01	2.3078+00	7.3259-03	2.3078+00	7.3259-03	5.1286-03	1.1659-01	1.4909+05	1.8634-03	8.1130+00
350	470.64	2.2883+00	4.0158-01	1.2554-03	4.0158-01	1.2554-03	8.7889-04	1.9979-02	2.5548+04	3.1905-04	8.6180+00
352	511.18	1.9471+01	3.6271+00	1.1696-02	3.6271+00	1.1696-02	8.1881-03	1.8613-01	2.3802+05	2.9776-03	7.1680+00
354	498.86	1.1853+01	2.2925+00	7.3222-03	2.2925+00	7.3222-03	5.1261-03	1.1653-01	1.4901+05	1.8631-03	8.1130+00
357	516.95	1.8354+01	3.4222+00	1.1085-02	3.4222+00	1.1085-02	7.7602-03	1.7641-01	2.2558+05	2.8227-03	7.1680+00
359	504.97	1.1884+01	2.1568+00	6.9214-03	2.1568+00	6.9214-03	4.8455-03	1.1015-01	1.4085+05	1.7616-03	8.1130+00
401	450.21	2.4353+00	2.0123-01	6.1958-04	2.0123-01	6.1958-04	4.3375-04	9.8602-03	1.2609+04	1.5732-04	4.5500-01
403	451.17	2.2790+00	1.8620-01	5.7373-04	1.8620-01	5.7373-04	4.0165-04	9.1304-03	1.1676+04	1.4568-04	6.8600-01
404	177.71	-8.7749+01	-5.7485+00	-1.4749-02	-5.7485+00	-1.4749-02	-1.0325-02	-2.3472-01	-3.0015+05	-3.7049-03	8.0100-01
405	455.59	4.3112+00	3.5331-01	1.0922-03	3.5331-01	1.0922-03	7.6460-04	1.7381-02	2.2226+04	2.7738-04	1.0510+00
406	457.01	5.9345+00	4.8973-01	1.5155-03	4.8973-01	1.5155-03	1.0610-03	2.4118-02	3.0841+04	3.8492-04	1.1670+00
407	460.24	7.1397+00	6.0102-01	1.8644-03	6.0102-01	1.8644-03	1.3052-03	2.9670-02	3.7941+04	4.7359-04	1.2830+00
408	452.89	3.2862+00	2.6560-01	8.1940-04	2.6560-01	8.1940-04	5.7364-04	1.3040-02	1.6675+04	2.0808-04	5.1300-01
409	451.14	3.7766+00	3.1041-01	9.5641-04	3.1041-01	9.5641-04	6.6955-04	1.5220-02	1.9463+04	2.4286-04	5.7000-01
410	452.98	3.6203+00	2.8730-01	8.8639-04	2.8730-01	8.8639-04	6.2054-04	1.4106-02	1.8038+04	2.2510-04	6.2800-01
411	454.60	4.7319+00	3.8985-01	1.2043-03	3.8985-01	1.2043-03	8.4307-04	1.9165-02	2.4507+04	3.0584-04	6.8600-01
412	462.56	3.0499+00	2.5113-01	7.8034-04	2.5113-01	7.8034-04	5.4629-04	1.2418-02	1.5880+04	1.9824-04	7.4400-01
413	455.36	4.9875+00	4.1357-01	1.2782-03	4.1357-01	1.2782-03	8.9486-04	2.0342-02	2.6013+04	3.2464-04	8.0100-01
414	454.42	4.2603+00	3.4886-01	1.0775-03	3.4886-01	1.0775-03	7.5432-04	1.7147-02	2.1927+04	2.7364-04	8.5900-01
415	456.89	5.3943+00	4.4512-01	1.3773-03	4.4512-01	1.3773-03	9.6421-04	2.1919-02	2.8029+04	3.4982-04	9.1700-01
416	454.05	4.0514+00	3.0983-01	9.5667-04	3.0983-01	9.5667-04	6.6974-04	1.5225-02	1.9469+04	2.4295-04	5.7000-01
417	457.09	5.7756+00	4.7381-01	1.4663-03	4.7381-01	1.4663-03	1.0265-03	2.3335-02	2.9840+04	3.7242-04	1.0520+00

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8.41221+01 9.81371-03 6.99882-01 4.53626+03 9.78780-06 6.81389-08 5.46664-02 7.72000+00 7.04160-06 7.47035-02

1	441.25	1.2364+00	2.0547-01	6.2846-04	2.0547-01	6.2846-04	4.3994-04	1.0001-02	1.2791+04	1.5954-04	4.1100-01
2	434.96	2.0280+00	3.3556-01	1.0217-03	3.3556-01	1.0217-03	7.1519-04	1.6259-02	2.0794+04	2.5929-04	7.1100-01
3	439.92	4.5205+00	7.5056-01	2.2935-03	7.5056-01	2.2935-03	1.6055-03	3.6499-02	4.6679+04	5.8218-04	1.3070+00
4	454.70	1.3687+01	2.2958+00	7.0921-03	2.2958+00	7.0921-03	4.9646-03	1.1286-01	1.4434+05	1.8014-03	1.6410+00
5	467.92	2.0148+01	3.5691+00	1.1135-02	3.5691+00	1.1135-02	7.7949-03	1.7721-01	2.2663+05	2.8299-03	1.7720+00
6	471.58	1.8161+00	3.0359-01	9.4978-04	3.0359-01	9.4978-04	6.6486-04	1.5115-02	1.9331+04	2.4141-04	2.4660+00
7	457.34	1.4691+00	2.4252-01	7.5067-04	2.4252-01	7.5067-04	5.2549-04	1.1946-02	1.5278+04	1.9069-04	3.0090+00
8	449.82	1.3564+00	2.2078-01	6.7957-04	2.2078-01	6.7957-04	4.7572-04	1.0815-02	1.3831+04	1.7257-04	3.3930+00
9	446.49	1.2151+00	1.9733-01	6.0590-04	1.9733-01	6.0590-04	4.2414-04	9.6424-03	1.2332+04	1.5384-04	3.7770+00
10	461.65	6.2234-01	1.0242-01	3.1805-04	1.0242-01	3.1805-04	2.2264-04	5.0615-03	6.4733+03	8.0808-05	5.3230+00
14	430.55	3.1751+00	5.2373-01	1.5894-03	5.2373-01	1.5894-03	1.1126-03	2.5294-02	3.2350+04	4.0330-04	1.0880+00
15	430.80	5.0675+00	8.3604-01	2.5377-03	8.3604-01	2.5377-03	1.7765-03	4.0386-02	5.1650+04	6.4393-04	1.3070+00
16	451.89	1.8017+01	3.0162+00	9.2983-03	3.0162+00	9.2983-03	6.5090-03	1.4798-01	1.8925+05	2.3615-03	1.6410+00
19	447.67	1.1756+00	1.7845-01	5.4840-04	1.7845-01	5.4840-04	3.8389-04	8.7274-03	1.1162+04	1.3925-04	4.1100-01
20	442.60	1.9351+00	3.0682-01	9.3941-04	3.0682-01	9.3941-04	6.5761-04	1.4950-02	1.9120+04	2.3849-04	7.1100-01
21	431.85	3.3304+00	5.3216-01	1.6166-03	5.3216-01	1.6166-03	1.1316-03	2.5726-02	3.2902+04	4.1021-04	1.0880+00
22	429.02	5.2260+00	8.3844-01	2.5417-03	8.3844-01	2.5417-03	1.7793-03	4.0449-02	5.1731+04	6.4489-04	1.3070+00
23	458.93	5.1995-03	8.3882-04	2.5995-06	8.3882-04	2.5995-06	1.8197-06	4.1368-05	5.2907+01	6.6038-07	1.6410+00
24	455.37	1.5958+00	2.6074-01	8.0590-04	2.6074-01	8.0590-04	5.6415-04	1.2825-02	1.6403+04	2.0470-04	3.0090+00
25	451.90	1.0156+00	1.6157-01	4.9808-04	1.6157-01	4.9808-04	3.4867-04	7.9265-03	1.0137+04	1.2650-04	3.3930+00
26	450.29	1.3314+00	2.1288-01	6.5549-04	2.1288-01	6.5549-04	4.5886-04	1.0432-02	1.3341+04	1.6646-04	3.7770+00
27	441.83	1.6145+00	2.5587-01	7.8295-04	2.5587-01	7.8295-04	5.4808-04	1.2460-02	1.5935+04	1.9876-04	7.1100-01
28	433.62	3.3870+00	5.4188-01	1.6482-03	5.4188-01	1.6482-03	1.1538-03	2.6230-02	3.3546+04	4.1828-04	1.0880+00
29	432.79	5.5164+00	8.9537-01	2.7218-03	8.9537-01	2.7218-03	1.9053-03	4.3314-02	5.5396+04	6.9068-04	1.3070+00
30	457.17	2.0776+01	3.4396+00	1.0645-02	3.4396+00	1.0645-02	7.4518-03	1.6941-01	2.1666+05	2.7041-03	1.6410+00
31	471.62	2.4730+01	4.1955+00	1.3126-02	4.1955+00	1.3126-02	9.1883-03	2.0888-01	2.6715+05	3.3363-03	1.7720+00
32	464.82	1.9584+00	3.2591-01	1.0144-03	3.2591-01	1.0144-03	7.1013-04	1.6144-02	2.0647+04	2.5778-04	2.4660+00
33	449.96	1.6701+00	2.7596-01	8.4951-04	2.7596-01	8.4951-04	5.9468-04	1.3519-02	1.7290+04	2.1573-04	3.0090+00
34	446.01	1.5590+00	2.5309-01	7.7685-04	2.5309-01	7.7685-04	5.4381-04	1.2363-02	1.5811+04	1.9725-04	3.3930+00
35	445.66	1.5096+00	2.3472-01	7.2027-04	2.3472-01	7.2027-04	5.0420-04	1.1462-02	1.4659+04	1.8288-04	3.7770+00
36	434.86	5.1548+00	8.2792-01	2.5206-03	8.2792-01	2.5206-03	1.7644-03	4.0112-02	5.1301+04	6.3968-04	1.3070+00
37	459.40	1.9356+00	3.2474-01	1.0067-03	3.2474-01	1.0067-03	7.0472-04	1.6021-02	2.0489+04	2.5575-04	2.4660+00
38	446.80	1.6016+00	2.6015-01	7.9898-04	2.6015-01	7.9898-04	5.5930-04	1.2715-02	1.6262+04	2.0287-04	3.0090+00
39	443.07	1.5616+00	2.5148-01	7.7023-04	2.5148-01	7.7023-04	5.3918-04	1.2258-02	1.5676+04	1.9554-04	3.3930+00
40	443.58	1.4758+00	2.3561-01	7.2189-04	2.3561-01	7.2189-04	5.0534-04	1.1488-02	1.4692+04	1.8327-04	3.7770+00
41	449.34	1.4681+00	2.3027-01	7.0854-04	2.3027-01	7.0854-04	4.9599-04	1.1276-02	1.4421+04	1.7993-04	4.1620+00
43	463.15	9.0338-01	1.5061-01	4.6821-04	1.5061-01	4.6821-04	3.2776-04	7.4511-03	9.5294+03	1.1897-04	5.3230+00
47	442.88	1.8717+00	2.9956-01	9.1738-04	2.9956-01	9.1738-04	6.4219-04	1.4599-02	1.8671+04	2.3290-04	7.1100-01
48	437.00	3.1595+00	5.1280-01	1.5636-03	5.1280-01	1.5636-03	1.0946-03	2.4884-02	3.1824+04	3.9686-04	1.0880+00
49	437.12	5.5709+00	9.0966-01	2.7740-03	9.0966-01	2.7740-03	1.9418-03	4.4145-02	5.6458+04	7.0406-04	1.3070+00
50	464.23	2.144y+01	3.5891+00	1.1167-02	3.5891+00	1.1167-02	7.8169-03	1.7771-01	2.2727+05	2.8375-03	1.6410+00
51	477.29	2.5847+01	4.4015+00	1.3829-02	4.4015+00	1.3829-02	9.6809-03	2.2008-01	2.8147+05	3.5160-03	1.7720+00
52	457.13	2.0888+00	3.5094-01	1.0861-03	3.5094-01	1.0861-03	7.6029-04	1.7284-02	2.2105+04	2.7589-04	2.4660+00
53	444.99	1.7278+00	2.8030-01	8.5973-04	2.8030-01	8.5973-04	6.0183-04	1.3682-02	1.7498+04	2.1828-04	3.0090+00
54	443.06	1.5527+00	2.4854-01	7.6124-04	2.4854-01	7.6124-04	5.3288-04	1.2114-02	1.5493+04	1.9326-04	3.3930+00
55	444.31	1.4613+00	2.2984-01	7.0461-04	2.2984-01	7.0461-04	4.9324-04	1.1213-02	1.4341+04	1.7889-04	3.7770+00
56	447.68	1.7013+00	2.6074-01	8.0131-04	2.6074-01	8.0131-04	5.6094-04	1.2752-02	1.6309+04	2.0347-04	4.1100-01
57	443.94	1.9283+00	3.0698-01	9.4081-04	3.0698-01	9.4081-04	6.5859-04	1.4972-02	1.9148+04	2.3886-04	7.1100-01
58	435.91	3.4068+00	5.5251-01	1.6834-03	5.5251-01	1.6834-03	1.1784-03	2.6789-02	3.4262+04	4.2724-04	1.0880+00
59	436.91	5.8208+00	9.4750-01	2.8889-03	9.4750-01	2.8889-03	2.0223-03	4.5975-02	5.8798+04	7.3323-04	1.3070+00
60	467.72	2.4110+01	4.0200+00	1.2540-02	4.0200+00	1.2540-02	8.7781-03	1.9956-01	2.5522+05	3.1869-03	1.6410+00
61	447.42	1.6348+00	2.6486-01	8.1383-04	2.6486-01	8.1383-04	5.6970-04	1.2951-02	1.6564+04	2.0665-04	3.0090+00
62	443.83	1.5486+00	2.4801-01	7.6004-04	2.4801-01	7.6004-04	5.3205-04	1.2095-02	1.5469+04	1.9296-04	3.3930+00
63	446.47	1.4442+00	2.2748-01	6.9848-04	2.2748-01	6.9848-04	4.8895-04	1.1116-02	1.4216+04	1.7735-04	3.7770+00
64	435.71	3.6592+00	6.0577-01	1.8454-03	6.0577-01	1.8454-03	1.2918-03	2.9368-02	3.7559+04	4.6835-04	1.0880+00
65	438.31	5.8338+00	9.6751-01	2.9529-03	9.6751-01	2.9529-03	2.0671-03	4.6994-02	6.0101+04	7.4952-04	1.3070+00
66	466.89	2.4595+01	4.1595+00	1.2967-02	4.1595+00	1.2967-02	9.0771-03	2.0636-01	2.6391+05	3.2953-03	1.6410+00
69	444.33	1.1590+00	1.9301-01	5.9171-04	1.9301-01	5.9171-04	4.1421-04	9.4165-03	1.2043+04	1.5023-04	4.1100-01
70	440.07	2.3262+00	3.8627-01	1.1805-03	3.8627-01	1.1805-03	8.2635-04	1.8786-02	2.4026+04	2.9965-04	7.1100-01
71	449.14	6.3564+00	1.0590+00	3.2580-03	1.0590+00	3.2580-03	2.2807-03	5.1849-02	6.6310+04	8.2734-04	1.3070+00
72	477.97	2.5746+01	4.3864+00	1.3789-02	4.3864+00	1.3789-02	9.6526-03	2.1944-01	2.8064+05	3.5058-03	1.6410+00
73	457.48	1.5517+00	2.5084-01	7.7652-04	2.5084-01	7.7652-04	5.4358-04	1.2358-02	1.5804+04	1.9726-04	3.7770+00
74	475.91	1.1444+00	1.9015-01	5.9683-04	1.9015-01	5.9683-04	4.1779-04	9.4980-03	1.2147+04	1.5173-04	5.3230+00
77	452.60	1.4436+00	2.3967-01	7.3925-04	2.3967-01	7.3925-04	5.1749-04	1.1765-02	1.5046+04	1.8775-04	3.0090+00
78	446.81	1.3865+00	2.2657-01	6.9585-04	2.2657-01	6.9585-04	4.8711-04	1.1074-02	1.4163+04	1.7669-04	3.3930+00
79	446.47	1.2140+00	1.9479-01	5.9808-04	1.9479-01	5.9808-04	4.1867-04	9.5180-03	1.2173+04	1.5186-04	3.7770+00
80	472.86	1.8166+00	3.0935-01	9.6871-04	3.0935-01	9.6871-04	6.7812-04	1.5416-02	1.9716+04	2.4624-04	2.4660+00
81	454.90	1.4239+00	2.3677-01	7.3154-04	2.3677-01	7.3154-04	5.1209-04	1.1642-02	1.4889+04	1.8581-04	3.0090+00
82	448.45	1.3268+00	2.1770-01	6.6942-04	2.1770-01	6.6942-04	4.6861-04	1.0653-02	1.3625+04	1.6999-04	3.3930+00
83	446.09	1.2307+00	1.9980-01	6.1332-04	1.9980-01	6.1332-04	4.2934-04	9.7605-03	1.2483+04	1.5573-04	3.7770+00
337	511.22	1.3032+01	2.4874+00	8.0213-03	2.4874+00	8.0213-03	5.6151-03	1.2765-01	1.6326+05	2.0424-03	7.1680+00
339	503.79	1.2114+01	2.3503+00	7.5356-03	2.3503+00	7.5356-03	5.2751-03	1.1992-01	1.5337+05	1.9181-03	8.1130+00
340	477.43	2.4681+00	4.6088-01	1.4482-03	4.6088-01	1.4482-03	1.0138-03	2.3047-02	2.9475+04	3.6820-04	8.6180+00
342	509.61	1.5305+01	3.0116+00	9.6995-03	3.0116+00	9.6995-03	6.7899-03	1.5436-01	1.9741+05	2.4695-03	7.1680+00
344	498.55	1.2524+01	2.4343+00	7.7736-03	2.4343+00	7.7736-03	5.4417-03	1.2371-01	1.5821+05	1.9782-03	8.1130+00
347	507.85	1.6609+01	3.1633+00	1.0174-02	3.1633+00	1.0174-02	7.1222-03	1.6191-01	2.0708+05	2.5902-03	7.1680+00
349	493.76	1.1969+01	2.3134+00	7.3602-03	2.3134+00	7.3602-03	5.1523-03	1.1713-01	1.4980+05	1.8726-03	8.1130+00
350	471.22	2.2353+00	3.9243-01	1.2274-03	3.9243-01	1.2274-03	8.5918-04	1.9532-02	2.4980+04	3.1197-04	8.6180+00
352	516.03	1.9290+01	3.6045+00	1.1667-02	3.6045+00	1.1667-02	8.1671-03	1.8567-01	2.3746+05	2.9712-03	7.1680+00
354	501.82	1.1783+01	2.2833+00	7.3097-03	2.2833+00	7.3097-03	5.1170-03	1.1633-01	1.4877+05	1.8604-03	8.1130+00
357	521.51	1.8170+01	3.3976+00	1.1045-02	3.3976+00	1.1045-02	7.7315-03	1.7577-01	2.2479+05	2.8134-03	7.1680+00
359	507.93	1.1908+01	2.1653+00	6.9647-03	2.1653+00	6.9647-03	4.8754-03	1.1084-01	1.4175+05	1.7731-03	8.1130+00
401	450.81	2.4094+00	1.9917-01	6.1350-04	1.9917-01	6.1350-04	4.2946-04	9.7633-03	1.2486+04	1.5580-04	4.5500-01
403	451.70	2.2255+00	1.8190-01	5.6068-04	1.8190-01	5.6068-04	3.9249-04	8.9228-03	1.1412+04	1.4239-04	6.8600-01
404	155.30	-8.0483+01	-5.1531+00	-1.3044-02	-5.1531+00	-1.3044-02	-9.1311-03	-2.0758-01	-2.6548+05	-3.2742-03	8.0100-01
405	456.67	4.3278+00	3.5493-01	1.0981-03	3.5493-01	1.0981-03	7.6868-04	1.7475-02	2.2349+04	2.7893-04	1.0510+00
406	458.46	5.7953+00	4.7872-01	1.4830-03	4.7872-01	1.4830-03	1.0381-03	2.3601-02	3.0184+04	3.7674-04	1.1670+00
407	462.01	7.0494+00	5.9413-01	1.8454-03	5.9413-01	1.8454-03	1.2918-03	2.9368-02	3.7559+04	4.6888-04	1.2830+00
408	453.75	3.5008+00	2.8311-01	8.7397-04	2.8311-01	8.7397-04	6.1180-04	1.3908-02	1.7788+04	2.2198-04	5.1300-01
409	452.00	3.5922+00	2.9543-01	9.1083-04	2.9543-01	9.1083-04	6.3760-04	1.4495-02	1.8538+04	2.3132-04	5.7000-01
410	453.92	3.8286+00	3.0402-01	9.3865-04	3.0402-01	9.3865-04	6.5708-04	1.4938-02	1.9104+04	2.3841-04	6.2800-01
411	455.74	4.6431+00	3.8283-01	1.1836-03	3.8283-01	1.1836-03	8.2853-04	1.8836-02	2.4089+04	3.0064-04	6.8600-01
412	463.22	2.8431+00	2.3421-01	7.2813-04	2.3421-01	7.2813-04	5.0971-04	1.1588-02	1.4820+04	1.8501-04	7.4400-01
413	456.55	4.9517+00	4.1093-01	1.2712-03	4.1093-01	1.2712-03	8.8987-04	2.0230-02	2.5873+04	3.2291-04	8.0100-01
414	455.47	4.1906+00	3.4341-01	1.0615-03	3.4341-01	1.0615-03	7.4305-04	1.6892-02	2.1604+04	2.6962-04	8.5900-01
415	458.25	5.3501+00	4.4188-01	1.3687-03	4.4188-01	1.3687-03	9.5811-04	2.1781-02	2.7857+04	3.4769-04	9.1700-01
416	455.04	4.0390+00	3.0909-01	9.5508-04	3.0909-01	9.5508-04	6.6858-04	1.5199-02	1.9439+04	2.4259-04	5.7000-01
417	458.52	5.6301+00	4.6232-01	1.4323-03	4.6232-01	1.4323-03	1.0026-03	2.2793-02	2.9151+04	3.6385-04	1.0520+00

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8.41221+01 9.81371-03 6.99882-01 4.53626+03 9.78780-06 6.81389-08 5.46664-02 7.72000+00 7.04160-06 7.47035-02

1	441.89	1.2514+00	2.0806-01	6.3679-04	2.0806-01	6.3679-04	4.4577-04	1.0134-02	1.2961+04	1.6163-04	4.1100-01
2	435.96	2.0005+00	3.3124-01	1.0094-03	3.3124-01	1.0094-03	7.0659-04	1.6064-02	2.0544+04	2.5614-04	7.1100-01
3	442.12	4.3423+00	7.2207-01	2.2103-03	7.2207-01	2.2103-03	1.5473-03	3.5176-02	4.4987+04	5.6104-04	1.3070+00
4	461.65	1.3966+01	2.3535+00	7.3093-03	2.3535+00	7.3093-03	5.1167-03	1.1632-01	1.4877+05	1.8568-03	1.6410+00
5	477.78	1.9220+01	3.4272+00	1.0774-02	3.4272+00	1.0774-02	7.5418-03	1.7145-01	2.1928+05	2.7388-03	1.7720+00
6	472.51	1.8655+00	3.1204-01	9.7702-04	3.1204-01	9.7702-04	6.8393-04	1.5548-02	1.9885+04	2.4831-04	2.4660+00
7	458.06	1.4940+00	2.4676-01	7.6432-04	2.4676-01	7.6432-04	5.3504-04	1.2163-02	1.5556+04	1.9413-04	3.0090+00
8	450.50	1.4203+00	2.3129-01	7.1238-04	2.3129-01	7.1238-04	4.9868-04	1.1337-02	1.4499+04	1.8089-04	3.3930+00
9	447.12	1.3044+00	2.1193-01	6.5113-04	2.1193-01	6.5113-04	4.5580-04	1.0362-02	1.3252+04	1.6531-04	3.7770+00
10	461.95	7.2364-01	1.1912-01	3.7004-04	1.1912-01	3.7004-04	2.5903-04	5.8888-03	7.5313+03	9.4003-05	5.3230+00
14	432.13	3.2239+00	5.3237-01	1.6178-03	5.3237-01	1.6178-03	1.1325-03	2.5746-02	3.2927+04	4.1046-04	1.0880+00
15	433.29	5.0145+00	8.2874-01	2.5205-03	8.2874-01	2.5205-03	1.7644-03	4.0112-02	5.1300+04	6.3954-04	1.3070+00
16	460.83	1.8109+01	3.0500+00	9.4666-03	3.0500+00	9.4666-03	6.6269-03	1.5065-01	1.9267+05	2.4048-03	1.6410+00
19	448.23	1.1091+00	1.6842-01	5.1788-04	1.6842-01	5.1788-04	3.6252-04	8.2416-03	1.0540+04	1.3148-04	4.1100-01
20	443.55	1.9932+00	3.1626-01	9.6911-04	3.1626-01	9.6911-04	6.7840-04	1.5423-02	1.9724+04	2.4600-04	7.1100-01
21	433.50	3.2951+00	5.2713-01	1.6034-03	5.2713-01	1.6034-03	1.1224-03	2.5517-02	3.2635+04	4.0685-04	1.0880+00
22	431.60	5.1719+00	8.3128-01	2.5251-03	8.3128-01	2.5251-03	1.7676-03	4.0185-02	5.1393+04	6.4066-04	1.3070+00
23	458.98	4.3117-02	6.9561-03	2.1561-05	6.9561-03	2.1561-05	1.5093-05	3.4312-04	4.3883+02	5.4766-06	1.6410+00
24	456.14	1.5018+00	2.4551-01	7.5936-04	2.4551-01	7.5936-04	5.3157-04	1.2085-02	1.5455+04	1.9286-04	3.0090+00
25	452.39	1.2332+00	1.9626-01	6.0535-04	1.9626-01	6.0535-04	4.2376-04	9.6336-03	1.2321+04	1.5372-04	3.3930+00
26	450.96	1.4203+00	2.2719-01	7.0000-04	2.2719-01	7.0000-04	4.9002-04	1.1140-02	1.4247+04	1.7774-04	3.7770+00
27	442.63	1.6151+00	2.5609-01	7.8422-04	2.5609-01	7.8422-04	5.4897-04	1.2480-02	1.5961+04	1.9906-04	7.1100-01
28	435.25	3.2977+00	5.2819-01	1.6087-03	5.2819-01	1.6087-03	1.1261-03	2.5602-02	3.2742+04	4.0822-04	1.0880+00
29	435.53	5.5413+00	9.0114-01	2.7452-03	9.0114-01	2.7452-03	1.9217-03	4.3688-02	5.5873+04	6.9661-04	1.3070+00
30	467.49	2.0617+01	3.4370+00	1.0721-02	3.4370+00	1.0721-02	7.5050-03	1.7062-01	2.1821+05	2.7242-03	1.6410+00
31	483.68	2.3578+01	4.0321+00	1.2732-02	4.0321+00	1.2732-02	8.9127-03	2.0262-01	2.5913+05	3.2374-03	1.7720+00
32	465.80	1.9455+00	3.2396-01	1.0093-03	3.2396-01	1.0093-03	7.0650-04	1.6061-02	2.0541+04	2.5643-04	2.4660+00
33	450.82	1.6888+00	2.7921-01	8.6020-04	2.7921-01	8.6020-04	6.0216-04	1.3689-02	1.7508+04	2.1842-04	3.0090+00
34	446.78	1.5584+00	2.5314-01	7.7756-04	2.5314-01	7.7756-04	5.4431-04	1.2374-02	1.5826+04	1.9740-04	3.3930+00
35	446.36	1.4400+00	2.2400-01	6.8785-04	2.2400-01	6.8785-04	4.8151-04	1.0947-02	1.4000+04	1.7462-04	3.7770+00
36	437.45	5.0925+00	8.1939-01	2.4997-03	8.1939-01	2.4997-03	1.7498-03	3.9780-02	5.0875+04	6.3435-04	1.3070+00
37	460.36	2.0094+00	3.3733-01	1.0466-03	3.3733-01	1.0466-03	7.3268-04	1.6657-02	2.1302+04	2.6587-04	2.4660+00
38	447.61	1.6805+00	2.7313-01	8.3945-04	2.7313-01	8.3945-04	5.8764-04	1.3359-02	1.7085+04	2.1312-04	3.0090+00
39	443.79	1.3158+00	2.1201-01	6.4980-04	2.1201-01	6.4980-04	4.5488-04	1.0341-02	1.3225+04	1.6495-04	3.3930+00
40	444.31	1.4031+00	2.2411-01	6.8712-04	2.2411-01	6.8712-04	4.8100-04	1.0935-02	1.3985+04	1.7443-04	3.7770+00
41	450.02	1.3268+00	2.0820-01	6.4106-04	2.0820-01	6.4106-04	4.4875-04	1.0202-02	1.3047+04	1.6277-04	4.1620+00
43	463.61	8.7169-01	1.4537-01	4.5214-04	1.4537-01	4.5214-04	3.1651-04	7.1955-03	9.2024+03	1.1487-04	5.3230+00
47	443.81	1.8390+00	2.9452-01	9.0266-04	2.9452-01	9.0266-04	6.3189-04	1.4365-02	1.8372+04	2.2914-04	7.1100-01
48	438.53	3.1190+00	5.0676-01	1.5472-03	5.0676-01	1.5472-03	1.0831-03	2.4622-02	3.1490+04	3.9266-04	1.0880+00
49	439.85	5.5377+00	9.0595-01	2.7686-03	9.0595-01	2.7686-03	1.9381-03	4.4060-02	5.6349+04	7.0268-04	1.3070+00
50	474.82	2.1195+01	3.5718+00	1.1203-02	3.5718+00	1.1203-02	7.8425-03	1.7829-01	2.2802+05	2.8476-03	1.6410+00
51	489.88	2.4589+01	4.2220+00	1.3395-02	4.2220+00	1.3395-02	9.3768-03	2.1317-01	2.7263+05	3.4069-03	1.7720+00
52	458.20	2.1579+00	3.6281-01	1.1239-03	3.6281-01	1.1239-03	7.8674-04	1.7886-02	2.2874+04	2.8546-04	2.4660+00
53	445.83	1.6894+00	2.7423-01	8.4173-04	2.7423-01	8.4173-04	5.8923-04	1.3395-02	1.7132+04	2.1369-04	3.0090+00
54	443.84	1.5652+00	2.5068-01	7.6832-04	2.5068-01	7.6832-04	5.3784-04	1.2227-02	1.5637+04	1.9503-04	3.3930+00
55	445.06	1.5143+00	2.3830-01	7.3104-04	2.3830-01	7.3104-04	5.1174-04	1.1634-02	1.4879+04	1.8558-04	3.7770+00
56	448.39	1.0187+00	1.5620-01	4.8037-04	1.5620-01	4.8037-04	3.3627-04	7.6446-03	9.7769+03	1.2196-04	4.1100-01
57	444.90	1.8966+00	3.0213-01	9.2674-04	3.0213-01	9.2674-04	6.4874-04	1.4748-02	1.8862+04	2.3526-04	7.1100-01
58	437.59	3.3600+00	5.4557-01	1.6645-03	5.4557-01	1.6645-03	1.1652-03	2.6489-02	3.3877+04	4.2241-04	1.0880+00
59	439.75	5.6566+00	9.2260-01	2.8193-03	9.2260-01	2.8193-03	1.9736-03	4.4866-02	5.7381+04	7.1554-04	1.3070+00
60	479.68	2.3697+01	3.9827+00	1.2538-02	3.9827+00	1.2538-02	8.7769-03	1.9953-01	2.5518+05	3.1875-03	1.6410+00
61	448.26	1.6805+00	2.7243-01	8.3771-04	2.7243-01	8.3771-04	5.8642-04	1.3331-02	1.7050+04	2.1269-04	3.0090+00
62	444.63	1.6010+00	2.5656-01	7.8680-04	2.5656-01	7.8680-04	5.5077-04	1.2521-02	1.6014+04	1.9973-04	3.3930+00
63	447.16	1.4784+00	2.3300-01	7.1588-04	2.3300-01	7.1588-04	5.0113-04	1.1393-02	1.4570+04	1.8175-04	3.7770+00
64	437.58	3.6608+00	6.0682-01	1.8514-03	6.0682-01	1.8514-03	1.2960-03	2.9463-02	3.7681+04	4.6983-04	1.0880+00
65	441.18	5.7766+00	9.5995-01	2.9365-03	9.5995-01	2.9365-03	2.0556-03	4.6732-02	5.9766+04	7.4533-04	1.3070+00
66	479.16	2.4514+01	4.1797+00	1.3153-02	4.1797+00	1.3153-02	9.2075-03	2.0932-01	2.6770+05	3.3439-03	1.6410+00
69	444.85	1.1008+00	1.8339-01	5.6251-04	1.8339-01	5.6251-04	3.9377-04	8.9519-03	1.1449+04	1.4280-04	4.1100-01
70	441.19	2.2457+00	3.7319-01	1.1416-03	3.7319-01	1.1416-03	7.9915-04	1.8168-02	2.3235+04	2.8976-04	7.1100-01
71	452.15	5.9964+00	1.0011+00	3.0872-03	1.0011+00	3.0872-03	2.1611-03	4.9130-02	6.2833+04	7.8394-04	1.3070+00
72	490.83	2.5875+01	4.4455+00	1.4114-02	4.4455+00	1.4114-02	9.8804-03	2.2462-01	2.8727+05	3.5900-03	1.6410+00
73	458.22	1.4831+00	2.3988-01	7.4309-04	2.3988-01	7.4309-04	5.2018-04	1.1826-02	1.5124+04	1.8874-04	3.7770+00
74	476.52	1.1683+00	1.9420-01	6.0990-04	1.9420-01	6.0990-04	4.2695-04	9.7061-03	1.2413+04	1.5504-04	5.3230+00
77	453.34	1.4701+00	2.4419-01	7.5372-04	2.4419-01	7.5372-04	5.2762-04	1.1995-02	1.5340+04	1.9140-04	3.0090+00
78	447.46	1.3283+00	2.1716-01	6.6737-04	2.1716-01	6.6737-04	4.6717-04	1.0621-02	1.3583+04	1.6943-04	3.3930+00
79	447.06	1.2540+00	2.0129-01	6.1841-04	2.0129-01	6.1841-04	4.3290-04	9.8414-03	1.2586+04	1.5700-04	3.7770+00
80	473.76	1.9065+00	3.2485-01	1.0181-03	3.2485-01	1.0181-03	7.1269-04	1.6202-02	2.0721+04	2.5876-04	2.4660+00
81	455.63	1.4395+00	2.3948-01	7.4041-04	2.3948-01	7.4041-04	5.1831-04	1.1783-02	1.5070+04	1.8804-04	3.0090+00
82	449.12	1.3049+00	2.1422-01	6.5913-04	2.1422-01	6.5913-04	4.6141-04	1.0490-02	1.3415+04	1.6735-04	3.3930+00
83	446.74	1.2395+00	2.0133-01	6.1838-04	2.0133-01	6.1838-04	4.3288-04	9.8410-03	1.2586+04	1.5699-04	3.7770+00
337	517.74	1.3049+01	2.5010+00	8.1073-03	2.5010+00	8.1073-03	5.6753-03	1.2902-01	1.6501+05	2.0645-03	7.1680+00
339	509.94	1.2358+01	2.4072+00	7.7560-03	2.4072+00	7.7560-03	5.4294-03	1.2343-01	1.5786+05	1.9744-03	8.1130+00
340	478.64	2.4971+00	4.6669-01	1.4680-03	4.6669-01	1.4680-03	1.0277-03	2.3363-02	2.9879+04	3.7320-04	8.6180+00
342	517.12	1.4933+01	2.9524+00	9.5660-03	2.9524+00	9.5660-03	6.6964-03	1.5223-01	1.9470+05	2.4359-03	7.1680+00
344	504.81	1.2540+01	2.4473+00	7.8538-03	2.4473+00	7.8538-03	5.4978-03	1.2499-01	1.5985+05	1.9988-03	8.1130+00
347	516.07	1.6245+01	3.1101+00	1.0069-02	3.1101+00	1.0069-02	7.0483-03	1.6023-01	2.0493+05	2.5638-03	7.1680+00
349	499.80	1.2004+01	2.3291+00	7.4457-03	2.3291+00	7.4457-03	5.2122-03	1.1849-01	1.5154+05	1.8946-03	8.1130+00
350	472.32	2.2343+00	3.9253-01	1.2289-03	3.9253-01	1.2289-03	8.6024-04	1.9557-02	2.5011+04	3.1232-04	8.6180+00
352	525.61	1.9166+01	3.6027+00	1.1751-02	3.6027+00	1.1751-02	8.2259-03	1.8701-01	2.3917+05	2.9934-03	7.1680+00
354	507.66	1.1637+01	2.2634+00	7.2798-03	2.2634+00	7.2798-03	5.0960-03	1.1585-01	1.4816+05	1.8530-03	8.1130+00
357	530.53	1.8051+01	3.3943+00	1.1114-02	3.3943+00	1.1114-02	7.7802-03	1.7687-01	2.2621+05	2.8319-03	7.1680+00
359	513.87	1.1775+01	2.1491+00	6.9456-03	2.1491+00	6.9456-03	4.8621-03	1.1053-01	1.4136+05	1.7684-03	8.1130+00
401	451.90	1.9595+00	1.6210-01	4.9980-04	1.6210-01	4.9980-04	3.4987-04	7.9538-03	1.0172+04	1.2691-04	4.5500-01
403	452.84	2.4831+00	2.0312-01	6.2670-04	2.0312-01	6.2670-04	4.3870-04	9.9734-03	1.2755+04	1.5914-04	6.8600-01
404	122.87	-5.9583+01	-3.6852+00	-9.1520-03	-3.6852+00	-9.1520-03	-6.4066-03	-1.4565-01	-1.8627+05	-2.2943-03	8.0100-01
405	458.86	4.4894+00	3.6873-01	1.1428-03	3.6873-01	1.1428-03	7.9998-04	1.8187-02	2.3259+04	2.9027-04	1.0510+00
406	461.31	5.6556+00	4.6808-01	1.4533-03	4.6808-01	1.4533-03	1.0174-03	2.3129-02	2.9580+04	3.6920-04	1.1670+00
407	465.50	7.0239+00	5.9338-01	1.8482-03	5.9338-01	1.8482-03	1.2938-03	2.9412-02	3.7616+04	4.6958-04	1.2830+00
408	455.52	3.5465+00	2.8715-01	8.8775-04	2.8715-01	8.8775-04	6.2144-04	1.4128-02	1.8068+04	2.2546-04	5.1300-01
409	453.85	3.8332+00	3.1565-01	9.7464-04	3.1565-01	9.7464-04	6.8227-04	1.5511-02	1.9837+04	2.4751-04	5.7000-01
410	455.83	3.7647+00	2.9934-01	9.2563-04	2.9934-01	9.2563-04	6.4796-04	1.4731-02	1.8839+04	2.3509-04	6.2800-01
411	458.01	4.5917+00	3.7918-01	1.1744-03	3.7918-01	1.1744-03	8.2212-04	1.8690-02	2.3903+04	2.9830-04	6.8600-01
412	464.72	2.9652+00	2.4451-01	7.6112-04	2.4451-01	7.6112-04	5.3280-04	1.2113-02	1.5491+04	1.9338-04	7.4400-01
413	459.04	4.7792+00	3.9729-01	1.2315-03	3.9729-01	1.2315-03	8.6205-04	1.9598-02	2.5064+04	3.1280-04	8.0100-01
414	457.54	4.1397+00	3.3971-01	1.0518-03	3.3971-01	1.0518-03	7.3630-04	1.6739-02	2.1408+04	2.6715-04	8.5900-01
415	460.85	5.1886+00	4.2929-01	1.3325-03	4.2929-01	1.3325-03	9.3275-04	2.1205-02	2.7119+04	3.3848-04	9.1700-01
416	457.10	4.0229+00	3.0828-01	9.5420-04	3.0828-01	9.5420-04	6.6796-04	1.5185-02	1.9421+04	2.4235-04	5.7000-01
417	461.31	5.4187+00	4.4580-01	1.3842-03	4.4580-01	1.3842-03	9.6895-04	2.2028-02	2.8172+04	3.5162-04	1.0520+00

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16 1 6.99 -5.01 .00 -.00 402 1 1.95 10.09 459.4 1726.9

8.40044+01 9.82083-03 7.00396-01 4.53310+03 9.80863-06 6.80435-08 5.48214-02 7.72000+00 7.03042-06 7.47177-02

1	464.59	5.1320+00	8.6656-01	2.7012-03	8.6656-01	2.7012-03	1.8882-03	4.2917-02	5.5065+04	6.8647-04	4.1100-01
2	482.87	3.8082+01	6.5089+00	2.0571-02	6.5089+00	2.0571-02	1.4380-02	3.2683-01	4.1935+05	5.2320-03	7.1100-01
3	462.21	2.3374+01	3.9404+00	1.2261-02	3.9404+00	1.2261-02	8.5709-03	1.9460-01	2.4995+05	3.1157-03	1.3070+00
4	450.38	2.9890+01	4.9987+00	1.5418-02	4.9987+00	1.5418-02	1.0777-02	2.4496-01	3.1430+05	3.9158-03	1.6410+00
5	438.83	2.2486+01	3.9052+00	1.1943-02	3.9052+00	1.1943-02	8.3483-03	1.8574-01	2.4346+05	3.0318-03	1.7720+00
6	421.31	2.1512+00	3.4737-01	1.0489-03	3.4737-01	1.0489-03	7.3317-04	1.6664-02	2.1381+04	2.6606-04	2.4660+00
7	421.81	1.4821+00	2.3870-01	7.2099-04	2.3870-01	7.2099-04	5.0399-04	1.1455-02	1.4698+04	1.8290-04	3.0090+00
8	424.83	1.2852+00	2.0558-01	6.2232-04	2.0558-01	6.2232-04	4.3502-04	9.8873-03	1.2686+04	1.5789-04	3.3930+00
9	429.46	1.3304+00	2.1351-01	6.4849-04	2.1351-01	6.4849-04	4.5331-04	1.0303-02	1.3220+04	1.6456-04	3.7770+00
10	445.33	2.0218+00	3.2907-01	1.0112-03	3.2907-01	1.0112-03	7.0684-04	1.6665-02	2.0613+04	2.5676-04	5.3230+00
14	468.38	2.1199+01	3.5887+00	1.1218-02	3.5887+00	1.1218-02	7.8419-03	1.7824-01	2.2869+05	2.8514-03	1.0880+00
15	476.28	5.0739+01	8.6346+00	2.7154-02	8.6346+00	2.7154-02	1.8981-02	4.3141-01	5.5354+05	6.9041-03	1.3070+00
16	463.21	5.7213+01	9.6517+00	3.0055-02	9.6517+00	3.0055-02	2.1009-02	4.7751-01	6.1268+05	7.6376-03	1.6410+00
19	466.22	5.4821+00	8.4269-01	2.6300-03	8.4269-01	2.6300-03	1.8385-03	4.1786-02	5.3614+04	6.6843-04	4.1100-01
20	471.61	1.3852+01	2.2401+00	7.0199-03	2.2401+00	7.0199-03	4.9071-03	1.1153-01	1.4310+05	1.7845-03	7.1100-01
21	473.25	2.8033+01	4.6079+00	1.4458-02	4.6079+00	1.4458-02	1.0106-02	2.2970-01	2.9472+05	3.6755-03	1.0880+00
22	478.18	5.8484+01	9.7028+00	3.0557-02	9.7028+00	3.0557-02	2.1360-02	4.8548-01	6.2291+05	7.7701-03	1.3070+00
23	458.88	5.2696+01	8.5009+00	2.6386-02	8.5009+00	2.6386-02	1.8444-02	4.1922-01	5.3789+05	6.7039-03	1.6410+00
24	426.85	1.5392+00	2.4657-01	7.4748-04	2.4657-01	7.4748-04	5.2251-04	1.1876-02	1.5238+04	1.8966-04	3.0090+00
25	431.08	1.4971+00	2.3477-01	7.1390-04	2.3477-01	7.1390-04	4.9903-04	1.1342-02	1.4553+04	1.8117-04	3.3930+00
26	435.40	1.7262+00	2.7318-01	8.3335-04	2.7318-01	8.3335-04	5.8253-04	1.3240-02	1.6988+04	2.1152-04	3.7770+00
27	488.38	4.5199+01	7.3905+00	2.3456-02	7.3905+00	2.3456-02	1.6396-02	3.7266-01	4.7816+05	5.9671-03	7.1100-01
28	482.95	4.7307+01	7.8260+00	2.4736-02	7.8260+00	2.4736-02	1.7291-02	3.9300-01	5.0425+05	6.2912-03	1.0880+00
29	484.76	5.5854+01	9.3905+00	2.9721-02	9.3905+00	2.9721-02	2.0776-02	4.7221-01	6.0588+05	7.5598-03	1.3070+00
30	461.76	5.2908+01	8.7864+00	2.7331-02	8.7864+00	2.7331-02	1.9105-02	4.3423-01	5.5715+05	6.9449-03	1.6410+00
31	441.07	2.4114+01	4.0069+00	1.2274-02	4.0069+00	1.2274-02	8.5798-03	1.9501-01	2.5021+05	3.1161-03	1.7720+00
32	425.37	1.5579+00	2.5230-01	7.6403-04	2.5230-01	7.6403-04	5.3407-04	1.2139-02	1.5575+04	1.9384-04	2.4660+00
33	427.22	1.1818+00	1.9221-01	5.8285-04	1.9221-01	5.8285-04	4.0743-04	9.2602-03	1.1882+04	1.4789-04	3.0090+00
34	431.74	1.0914+00	1.7544-01	5.3375-04	1.7544-01	5.3375-04	3.7311-04	8.4802-03	1.0881+04	1.3546-04	3.3930+00
35	436.30	1.2826+00	1.9813-01	6.0481-04	1.9813-01	6.0481-04	4.2277-04	9.6090-03	1.2329+04	1.5352-04	3.7770+00
36	494.41	6.2889+01	1.0513+01	3.3522-02	1.0513+01	3.3522-02	2.3433-02	5.3259-01	6.8335+05	8.5300-03	1.3070+00
37	428.59	3.9719+00	6.5236-01	1.9802-03	6.5236-01	1.9802-03	1.3842-03	3.1461-02	4.0366+04	5.0246-04	2.4660+00
38	429.02	2.2582+00	3.6230-01	1.1001-03	3.6230-01	1.1001-03	7.6896-04	1.7477-02	2.2425+04	2.7914-04	3.0090+00
39	432.74	1.4899+00	2.3822-01	7.2527-04	2.3822-01	7.2527-04	5.0698-04	1.1523-02	1.4785+04	1.8407-04	3.3930+00
40	437.22	1.0317+00	1.6397-01	5.0087-04	1.6397-01	5.0087-04	3.5012-04	7.9578-03	1.0210+04	1.2714-04	3.7770+00
41	442.88	9.3922-01	1.4667-01	4.4987-04	1.4667-01	4.4987-04	3.1447-04	7.1475-03	9.1708+03	1.1422-04	4.1620+00
43	447.83	1.8790+00	3.1061-01	9.5438-04	3.1061-01	9.5438-04	6.6713-04	1.5163-02	1.9455+04	2.4237-04	5.3230+00
47	470.30	6.1112+00	9.9648-01	3.1196-03	9.9648-01	3.1196-03	2.1807-03	4.9563-02	6.3594+04	7.9298-04	7.1100-01
48	472.61	1.2446+01	2.0697+00	6.4906-03	2.0697+00	6.4906-03	4.5371-03	1.0312-01	1.3231+05	1.6500-03	1.0880+00
49	476.85	3.2874+01	5.5148+00	1.7350-02	5.5148+00	1.7350-02	1.2128-02	2.7565-01	3.5369+05	4.4116-03	1.3070+00
50	479.48	4.7118+01	7.9650+00	2.5109-02	7.9650+00	2.5109-02	1.7551-02	3.9892-01	5.1185+05	6.3850-03	1.6410+00
51	458.29	1.9400+01	3.2619+00	1.0120-02	3.2619+00	1.0120-02	7.0742-03	1.6079-01	2.0630+05	2.5712-03	1.7720+00
52	432.05	2.5621+00	4.2306-01	1.2874-03	4.2306-01	1.2874-03	8.9992-04	2.0454-02	2.6244+04	3.2672-04	2.4660+00
53	428.62	1.7418+00	2.7937-01	8.4802-04	2.7937-01	8.4802-04	5.9279-04	1.3473-02	1.7287+04	2.1518-04	3.0090+00
54	434.24	1.4073+00	2.2388-01	6.8239-04	2.2388-01	6.8239-04	4.7700-04	1.0842-02	1.3911+04	1.7319-04	3.3930+00
55	436.99	1.3548+00	2.1201-01	6.4750-04	2.1201-01	6.4750-04	4.5262-04	1.0287-02	1.3200+04	1.6436-04	3.7770+00
56	465.55	8.9507-01	1.3885-01	4.3314-04	1.3885-01	4.3314-04	3.0277-04	6.8816-03	8.8297+03	1.1008-04	4.1190-01
57	468.25	3.1777+00	5.1429-01	1.6076-03	5.1429-01	1.6076-03	1.1237-03	2.5541-02	3.2771+04	4.0860-04	7.1100-01
58	466.48	4.4966+00	7.4468-01	2.3246-03	7.4468-01	2.3246-03	1.6250-03	3.6933-02	4.7388+04	5.9081-04	1.0880+00
59	466.85	5.5787+00	9.2687-01	2.8941-03	9.2687-01	2.8941-03	2.0231-03	4.5982-02	5.8998+04	7.3557-04	1.3070+00
60	471.12	2.6374+01	4.4074+00	1.3806-02	4.4074+00	1.3806-02	9.6510-03	2.1935-01	2.8145+05	3.5097-03	1.6410+00
61	433.25	1.6062+00	2.5769-01	7.8485-04	2.5769-01	7.8485-04	5.4863-04	1.2470-02	1.5999+04	1.9919-04	3.0090+00
62	435.77	1.8431+00	2.9354-01	8.9569-04	2.9354-01	8.9569-04	6.2611-04	1.4231-02	1.8259+04	2.2735-04	3.3930+00
63	438.00	2.1829+00	3.4184-01	1.0448-03	3.4184-01	1.0448-03	7.3032-04	1.6599-02	2.1298+04	2.6521-04	3.7770+00
64	463.27	2.6951+00	4.5467-01	1.4159-03	4.5467-01	1.4159-03	9.8975-04	2.2496-02	2.8864+04	3.5981-04	1.0880+00
65	462.76	2.9668+00	5.0034-01	1.5575-03	5.0034-01	1.5575-03	1.0887-03	2.4745-02	3.1750+04	3.9578-04	1.3070+00
66	459.63	5.5107+00	9.2740-01	2.8802-03	9.2740-01	2.8802-03	2.0133-03	4.5760-02	5.8713+04	7.3179-04	1.6410+00
69	464.27	8.6909-01	1.4672-01	4.5724-04	1.4672-01	4.5724-04	3.1962-04	7.2646-03	9.3211+03	1.1620-04	4.1100-01
70	461.26	1.0442+00	1.7592-01	5.4700-04	1.7592-01	5.4700-04	3.8237-04	8.6907-03	1.1151+04	1.3899-04	7.1100-01
71	455.02	1.8582+00	3.1083-01	9.6202-04	3.1083-01	9.6202-04	6.7247-04	1.5284-02	1.9611+04	2.4438-04	1.3070+00
72	451.90	2.9616+00	4.9579-01	1.5309-03	4.9579-01	1.5309-03	1.0702-03	2.4323-02	3.1209+04	3.8885-04	1.6410+00
73	453.73	1.4462+00	2.3320-01	7.2107-04	2.3320-01	7.2107-04	5.0404-04	1.1456-02	1.4699+04	1.8316-04	3.7770+00
74	455.64	1.1003+00	1.8034-01	5.5842-04	1.8034-01	5.5842-04	3.9035-04	8.8721-03	1.1384+04	1.4186-04	5.3230+00
77	423.63	1.8353+00	2.9862-01	9.0316-04	2.9862-01	9.0316-04	6.3133-04	1.4349-02	1.8411+04	2.2913-04	3.0090+00
78	427.54	1.6577+00	2.6727-01	8.1065-04	2.6727-01	8.1065-04	5.6666-04	1.2879-02	1.6525+04	2.0569-04	3.3930+00
79	431.59	1.8312+00	2.9078-01	8.8457-04	2.9078-01	8.8457-04	6.1834-04	1.4054-02	1.8032+04	2.2449-04	3.7770+00
80	422.94	2.1055+00	3.4644-01	1.0473-03	3.4644-01	1.0473-03	7.3208-04	1.6639-02	2.1349+04	2.6568-04	2.4660+00
81	422.01	1.3356+00	2.1706-01	6.5572-04	2.1706-01	6.5572-04	4.5836-04	1.0418-02	1.3367+04	1.6634-04	3.0090+00
82	425.41	1.2888+00	2.0811-01	6.3023-04	2.0811-01	6.3023-04	4.4054-04	1.0013-02	1.2847+04	1.5990-04	3.3930+00
83	429.82	1.3823+00	2.2190-01	6.7416-04	2.2190-01	6.7416-04	4.7125-04	1.0711-02	1.3743+04	1.7107-04	3.7770+00
337	467.52	2.1509+01	3.9902+00	1.2466-02	3.9902+00	1.2466-02	8.7138-03	1.9805-01	2.5412+05	3.1683-03	7.1680+00
339	485.58	5.5283+00	1.0600+00	3.3572-03	1.0600+00	3.3572-03	2.3468-03	5.3339-02	6.8438+04	8.5396-04	8.1130+00
340	481.61	1.1704+00	2.1916-01	6.9200-04	2.1916-01	6.9200-04	4.8372-04	1.0994-02	1.4107+04	1.7599-04	8.6180+00
342	474.17	1.9126+01	3.6779+00	1.1548-02	3.6779+00	1.1548-02	8.0721-03	1.8347-01	2.3540+05	2.9359-03	7.1680+00
344	483.60	6.2192+00	1.1972+00	3.7859-03	1.1972+00	3.7859-03	2.6464-03	6.0149-02	7.7176+04	9.6290-04	8.1130+00
347	470.75	1.7481+01	3.2499+00	1.0177-02	3.2499+00	1.0177-02	7.1142-03	1.6170-01	2.0747+05	2.5871-03	7.1680+00
349	485.81	6.9917+00	1.3443+00	4.2584-03	1.3443+00	4.2584-03	2.9767-03	6.7656-02	8.6808+04	1.0832-03	8.1130+00
350	477.45	1.3242+00	2.3343-01	7.3472-04	2.3343-01	7.3472-04	5.1359-04	1.1673-02	1.4978+04	1.8682-04	8.6180+00
352	472.96	1.7586+01	3.1958+00	1.0025-02	3.1958+00	1.0025-02	7.0075-03	1.5927-01	2.0436+05	2.5485-03	7.1680+00
354	492.03	9.4078+00	1.8115+00	5.7655-03	1.8115+00	5.7655-03	4.0302-03	9.1601-02	1.1753+05	1.4669-03	8.1130+00
357	486.08	5.9199+00	1.0821+00	3.4285-03	1.0821+00	3.4285-03	2.3966-03	5.4472-02	6.9891+04	8.7211-04	7.1680+00
359	520.44	5.5262+00	1.0128+00	3.2952-03	1.0128+00	3.2952-03	2.3035-03	5.2354-02	6.7175+04	8.3947-04	8.1130+00
401	471.98	1.2724+01	1.0669+00	3.3444-03	1.0669+00	3.3444-03	2.3378-03	5.3134-02	6.8176+04	8.5018-04	4.5500-01
403	490.09	3.8276+01	3.2096+00	1.0200-02	3.2096+00	1.0200-02	7.1301-03	1.6206-01	2.0793+05	2.5950-03	6.8600-01
404	235.86	-1.6053+02	-5.6678+00	-1.1663-02	-5.6678+00	-1.1663-02	-8.1525-03	-1.8529-01	-2.3775+05	-2.8876-03	8.0100-01
405	511.63	6.8676+01	5.8390+00	1.8867-02	5.8390+00	1.8867-02	1.3189-02	2.9976-01	3.8462+05	4.8046-03	1.0510+00
406	507.53	7.6310+01	6.5099+00	2.0968-02	6.5099+00	2.0968-02	1.4657-02	3.3314-01	4.2744+05	5.3386-03	1.1670+00
407	518.17	9.4624+01	8.2718+00	2.6865-02	8.2718+00	2.6865-02	1.8779-02	4.2683-01	5.4766+05	6.8433-03	1.2830+00
408	474.12	1.8810+01	1.5422+00	4.8419-03	1.5422+00	4.8419-03	3.3846-03	7.6927-02	9.8703+04	1.2310-03	5.1300-01
409	462.04	3.7855+00	3.1345-01	9.7523-04	3.1345-01	9.7523-04	6.8171-04	1.5494-02	1.9880+04	2.4781-04	5.7000-01
410	473.23	1.8789+01	1.5115+00	4.7425-03	1.5115+00	4.7425-03	3.3151-03	7.5347-02	9.6676+04	1.2057-03	6.2800-01
411	464.19	4.7060+00	3.9024-01	1.2161-03	3.9024-01	1.2161-03	8.5008-04	1.9321-02	2.4790+04	3.0904-04	6.8600-01
412	490.83	2.4838+01	2.0838+00	6.6261-03	2.0838+00	6.6261-03	4.6318-03	1.0527-01	1.3507+05	1.6858-03	7.4400-01
413	465.41	6.3938+00	5.3379-01	1.6650-03	5.3379-01	1.6650-03	1.1638-03	2.6453-02	3.3941+04	4.2314-04	8.0100-01
414	488.28	4.3614+01	3.6529+00	1.1593-02	3.6529+00	1.1593-02	8.1036-03	1.8418-01	2.3632+05	2.9491-03	8.5900-01
415	467.11	8.7372+00	7.2594-01	2.2672-03	7.2594-01	2.2672-03	1.5848-03	3.6021-02	4.6218+04	5.7623-04	9.1700-01
416	475.50	1.8554+01	1.4395+00	4.5243-03	1.4395+00	4.5243-03	3.1626-03	7.1881-02	9.2229+04	1.1503-03	5.7000-01
417	500.43	6.1472+01	5.1893+00	1.6623-02	5.1893+00	1.6623-02	1.1620-02	2.6410-01	3.3886+05	4.2310-03	1.0520+00

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16 1 6.95 -5.05 .00 -.00 402 1 2.20 10.09 459.4 1727.6

8.40404+01 9.82022-03 7.00353-01 4.53408+03 9.80382-06 6.80727-08 5.47827-02 7.72000+00 7.03384-06 7.47133-02

1	465.92	5.4234+00	9.1658-01	2.8600-03	9.1658-01	2.8600-03	1.4998-03	4.5440-02	5.8274+04	7.2648-04	4.1100-01
2	492.37	3.7799+01	6.5007+00	2.0695-02	6.5007+00	2.0695-02	1.4470-02	3.2880-01	4.2167+05	5.2628-03	7.1100-01
3	467.88	2.3134+01	3.9149+00	1.2234-02	3.9149+00	1.2234-02	8.5541-03	1.9437-01	2.4927+05	3.1078-03	1.3070+00
4	457.71	3.0108+01	5.0603+00	1.5693-02	5.0603+00	1.5693-02	1.0973-02	2.4933-01	3.1975+05	3.9848-03	1.6410+00
5	444.49	2.2034+01	3.8416+00	1.1797-02	3.8416+00	1.1797-02	8.2490-03	1.8744-01	2.4038+05	2.9940-03	1.7720+00
6	421.84	2.0982+00	3.3894-01	1.0238-03	3.3894-01	1.0238-03	7.1585-04	1.6266-02	2.0860+04	2.5958-04	2.4660+00
7	422.17	1.3839+00	2.2294-01	6.7357-04	2.2294-01	6.7357-04	4.7047-04	1.0762-02	1.3724+04	1.7078-04	3.0090+00
8	425.14	1.3096+00	2.0954-01	6.3443-04	2.0954-01	6.3443-04	4.4360-04	1.0060-02	1.2927+04	1.6088-04	3.3930+00
9	429.78	1.3070+00	2.0981-01	6.3739-04	2.0981-01	6.3739-04	4.4568-04	1.0127-02	1.2987+04	1.6166-04	3.7770+00
10	445.80	1.9948+00	3.2478-01	9.9834-04	3.2478-01	9.9834-04	6.9806-04	1.5861-02	2.0342+04	2.5337-04	5.3230+00
14	473.53	2.1114+01	3.5866+00	1.1256-02	3.5866+00	1.1256-02	7.8702-03	1.7883-01	2.2934+05	2.8600-03	1.0880+00
15	488.94	5.0811+01	8.7191+00	2.7685-02	8.7191+00	2.7685-02	1.9358-02	4.3985-01	5.6409+05	7.0391-03	1.3070+00
16	477.54	5.6789+01	9.6723+00	3.0446-02	9.6723+00	3.0446-02	2.1288-02	4.8372-01	6.2035+05	7.7375-03	1.6410+00
19	467.56	5.3709+00	8.2635-01	2.5816-03	8.2635-01	2.5816-03	1.8051-03	4.1016-02	5.2602+04	6.5581-04	4.1100-01
20	475.12	1.4740+01	2.3892+00	7.5068-03	2.3892+00	7.5068-03	5.2489-03	1.1927-01	1.5295+05	1.9076-03	7.1100-01
21	480.00	2.7240+01	4.4976+00	1.4184-02	4.4976+00	1.4184-02	9.9174-03	2.2535-01	2.8900+05	3.6049-03	1.0880+00
22	492.89	5.8416+01	9.7854+00	3.1164-02	9.7854+00	3.1164-02	2.1791-02	4.9513-01	6.3498+05	7.9252-03	1.3070+00
23	472.25	5.3295+01	8.6751+00	2.7198-02	8.6751+00	2.7198-02	1.9017-02	4.3212-01	5.5417+05	6.9104-03	1.6410+00
24	427.22	1.5408+00	2.4668-01	7.4864-04	2.4668-01	7.4864-04	5.2346-04	1.1894-02	1.5254+04	1.8965-04	3.0090+00
25	431.45	1.4577+00	2.2863-01	6.9544-04	2.2863-01	6.9544-04	4.8626-04	1.1049-02	1.4170+04	1.7639-04	3.3930+00
26	435.85	1.7870+00	2.8289-01	8.6324-04	2.8289-01	8.6324-04	6.0359-04	1.3715-02	1.7589+04	2.1899-04	3.7770+00
27	499.86	4.4319+01	7.3006+00	2.3376-02	7.3006+00	2.3376-02	1.6345-02	3.7139-01	4.7629+05	5.9464-03	7.1100-01
28	495.05	4.8570+01	8.0985+00	2.5835-02	8.0985+00	2.5835-02	1.8064-02	4.1046-01	5.2640+05	6.5705-03	1.0880+00
29	498.70	5.5693+01	9.4487+00	3.0227-02	9.4487+00	3.0227-02	2.1135-02	4.8024-01	6.1588+05	7.6887-03	1.3070+00
30	475.00	5.2166+01	8.7403+00	2.7460-02	8.7403+00	2.7460-02	1.9200-02	4.3627-01	5.5950+05	6.9777-03	1.6410+00
31	447.21	2.4344+01	4.0623+00	1.2500-02	4.0623+00	1.2500-02	8.7403-03	1.9860-01	2.5470+05	3.1727-03	1.7720+00
32	425.74	1.5361+00	2.4883-01	7.5374-04	2.4883-01	7.5374-04	5.2732-04	1.1975-02	1.5358+04	1.9113-04	2.4660+00
33	427.51	1.1714+00	1.9056-01	5.7796-04	1.9056-01	5.7796-04	4.0412-04	9.1826-03	1.1776+04	1.4657-04	3.0090+00
34	432.01	1.0592+00	1.7030-01	5.1820-04	1.7030-01	5.1820-04	3.6234-04	8.2331-03	1.0559+04	1.3144-04	3.3930+00
35	436.62	1.2655+00	1.9553-01	5.9700-04	1.9553-01	5.9700-04	4.1743-04	9.4849-03	1.2164+04	1.5146-04	3.7770+00
36	509.94	6.1428+01	1.0372+01	3.3470-02	1.0372+01	3.3470-02	2.3403-02	5.3176-01	6.8196+05	8.5178-03	1.3070+00
37	429.58	3.9636+00	6.5144-01	1.9788-03	6.5144-01	1.9788-03	1.3836-03	3.1439-02	4.0319+04	5.0187-04	2.4660+00
38	429.57	2.2727+00	3.6477-01	1.1080-03	3.6477-01	1.1080-03	7.7473-04	1.7604-02	2.2576+04	2.8102-04	3.0090+00
39	433.08	1.4779+00	2.3636-01	7.1980-04	2.3636-01	7.1980-04	5.0330-04	1.1436-02	1.4666+04	1.8259-04	3.3930+00
40	437.49	1.0488+00	1.6673-01	5.0939-04	1.6673-01	5.0939-04	3.5618-04	8.0931-03	1.0379+04	1.2924-04	3.7770+00
41	443.12	9.5481-01	1.4913-01	4.5749-04	1.4913-01	4.5749-04	3.1989-04	7.2686-03	9.3216+03	1.1610-04	4.1620+00
43	448.31	1.8836+00	3.1068-01	9.5741-04	3.1068-01	9.5741-04	6.6944-04	1.5211-02	1.9508+04	2.4301-04	5.3230+00
47	471.80	5.8919+00	9.6170-01	3.0141-03	9.6170-01	3.0141-03	2.1075-03	4.7887-02	6.1413+04	7.6580-04	7.1100-01
48	475.80	1.2883+01	2.1468+00	6.7486-03	2.1468+00	6.7486-03	4.7187-03	1.0722-01	1.3750+05	1.7149-03	1.0880+00
49	485.44	3.3932+01	5.7244+00	1.8127-02	5.7244+00	1.8127-02	1.2675-02	2.8801-01	3.6935+05	4.6084-03	1.3070+00
50	491.10	4.6463+01	7.9141+00	2.5170-02	7.9141+00	2.5170-02	1.7599-02	3.9990-01	5.1285+05	6.4003-03	1.6410+00
51	463.29	2.0106+01	3.3920+00	1.0563-02	3.3920+00	1.0563-02	7.3860-03	1.6783-01	2.1523+05	2.6829-03	1.7720+00
52	432.69	2.5605+00	4.2299-01	1.2878-03	4.2299-01	1.2878-03	9.0044-04	2.0460-02	2.6239+04	3.2666-04	2.4660+00
53	429.07	1.8260+00	2.9296-01	8.8957-04	2.9296-01	8.8957-04	6.2200-04	1.4133-02	1.8125+04	2.2561-04	3.0090+00
54	434.58	1.4473+00	2.3030-01	7.0212-04	2.3030-01	7.0212-04	4.9093-04	1.1155-02	1.4306+04	1.7811-04	3.3930+00
55	437.35	1.3444+00	2.1044-01	6.4287-04	2.1044-01	6.4287-04	4.4951-04	1.0214-02	1.3099+04	1.6310-04	3.7770+00
56	465.80	7.5896-01	1.1776-01	3.6741-04	1.1776-01	3.6741-04	2.5690-04	5.8373-03	7.4861+03	9.3326-05	4.1100-01
57	469.05	3.1953+00	5.1743-01	1.6183-03	5.1743-01	1.6183-03	1.1316-03	2.5712-02	3.2974+04	4.1113-04	7.1100-01
58	467.58	4.5138+00	7.4807-01	2.3371-03	7.4807-01	2.3371-03	1.6342-03	3.7132-02	4.7620+04	5.9370-04	1.0880+00
59	468.25	5.6805+00	9.4467-01	2.9528-03	9.4467-01	2.9528-03	2.0647-03	4.6914-02	6.0165+04	7.5012-04	1.3070+00
60	478.10	2.7602+01	4.6341+00	1.4593-02	4.6341+00	1.4593-02	1.0204-02	2.3186-01	2.9734+05	3.7088-03	1.6410+00
61	433.65	1.6322+00	2.6193-01	7.9800-04	2.6193-01	7.9800-04	5.5797-04	1.2678-02	1.6260+04	2.0243-04	3.0090+00
62	436.22	1.8649+00	2.9711-01	9.0688-04	2.9711-01	9.0688-04	6.3410-04	1.4408-02	1.8478+04	2.3007-04	3.3930+00
63	438.56	2.2322+00	3.4970-01	1.0692-03	3.4970-01	1.0692-03	7.4763-04	1.6988-02	2.1786+04	2.7129-04	3.7770+00
64	463.94	2.6494+00	4.4716-01	1.3932-03	4.4716-01	1.3932-03	9.7415-04	2.2135-02	2.8387+04	3.5386-04	1.0880+00
65	463.49	3.0166+00	5.0900-01	1.5853-03	5.0900-01	1.5853-03	1.1085-03	2.5188-02	3.2302+04	4.0265-04	1.3070+00
66	461.02	5.6374+00	9.4962-01	2.9523-03	9.4962-01	2.9523-03	2.0643-03	4.6905-02	6.0153+04	7.4975-04	1.6410+00
69	464.51	9.3351-01	1.5762-01	4.9130-04	1.5762-01	4.9130-04	3.4353-04	7.8057-03	1.0010+04	1.2479-04	4.1100-01
70	461.53	1.0312+00	1.7376-01	5.4040-04	1.7376-01	5.4040-04	3.7786-04	8.5858-03	1.1011+04	1.3724-04	7.1100-01
71	455.46	1.8145+00	3.0362-01	9.4001-04	3.0362-01	9.4001-04	6.5727-04	1.4935-02	1.9153+04	2.3867-04	1.3070+00
72	452.56	2.9377+00	4.9201-01	1.5200-03	4.9201-01	1.5200-03	1.0628-03	2.4150-02	3.0971+04	3.8588-04	1.6410+00
73	454.05	1.2099+00	1.9513-01	6.0349-04	1.9513-01	6.0349-04	4.2197-04	9.5881-03	1.2296+04	1.5322-04	3.7770+00
74	455.79	6.3532-01	1.0415-01	3.2252-04	1.0415-01	3.2252-04	2.2551-04	5.1241-03	6.5715+03	8.1888-05	5.3230+00
77	424.09	1.8535+00	3.0168-01	9.1271-04	3.0168-01	9.1271-04	6.3818-04	1.4501-02	1.8597+04	2.3143-04	3.0090+00
78	427.96	1.7158+00	2.7673-01	8.3959-04	2.7673-01	8.3959-04	5.8706-04	1.3339-02	1.7107+04	2.1293-04	3.3930+00
79	432.05	1.8779+00	2.9830-01	9.0775-04	2.9830-01	9.0775-04	6.3471-04	1.4422-02	1.8496+04	2.3025-04	3.7770+00
80	423.45	2.0847+00	3.4315-01	1.0377-03	3.4315-01	1.0377-03	7.2558-04	1.6487-02	2.1144+04	2.6312-04	2.4660+00
81	422.35	1.2722+00	2.0681-01	6.2490-04	2.0681-01	6.2490-04	4.3694-04	9.9264-03	1.2733+04	1.5844-04	3.0090+00
82	425.72	1.2306+00	1.9876-01	6.0205-04	1.9876-01	6.0205-04	4.2096-04	9.5652-03	1.2267+04	1.5267-04	3.3930+00
83	430.14	1.3543+00	2.1745-01	6.6079-04	2.1745-01	6.6079-04	4.6203-04	1.0498-02	1.3464+04	1.6760-04	3.7770+00
337	472.87	2.1321+01	3.9694+00	1.2451-02	3.9694+00	1.2451-02	8.7056-03	1.9781-01	2.5368+05	3.1635-03	7.1680+00
339	486.98	5.5834+00	1.0716+00	3.3974-03	1.0716+00	3.3974-03	2.3755-03	5.3977-02	6.9223+04	8.6375-04	8.1130+00
340	481.91	1.1455+00	2.1453-01	6.7754-04	2.1453-01	6.7754-04	4.7375-04	1.0765-02	1.3805+04	1.7222-04	8.6180+00
342	478.98	1.9179+01	3.6998+00	1.1659-02	3.6998+00	1.1659-02	8.1521-03	1.8523-01	2.3755+05	2.9631-03	7.1680+00
344	485.15	6.2005+00	1.1948+00	3.7828-03	1.1948+00	3.7828-03	2.6450-03	6.0100-02	7.7076+04	9.6166-04	8.1130+00
347	474.97	1.7001+01	3.1695+00	9.9574-03	3.1695+00	9.9574-03	6.9624-03	1.5820-01	2.0289+05	2.5303-03	7.1680+00
349	487.44	6.5517+00	1.2611+00	3.9996-03	1.2611+00	3.9996-03	2.7966-03	6.3545-02	8.1494+04	1.0169-03	8.1130+00
350	477.74	1.2213+00	2.1534-01	6.7793-04	2.1534-01	6.7793-04	4.7402-04	1.0771-02	1.3813+04	1.7229-04	8.6180+00
352	477.03	1.6877+01	3.0752+00	9.6763-03	3.0752+00	9.6763-03	6.7658-03	1.5373-01	1.9716+05	2.4590-03	7.1680+00
354	493.90	7.7242+00	1.4891+00	4.7463-03	1.4891+00	4.7463-03	3.3187-03	7.5408-02	9.6707+04	1.2070-03	8.1130+00
357	486.30	2.0743+00	3.7923-01	1.2017-03	3.7923-01	1.2017-03	8.4024-04	1.9092-02	2.4485+04	3.0551-04	7.1680+00
359	521.07	2.7304+00	5.0061-01	1.6296-03	5.0061-01	1.6296-03	1.1394-03	2.5890-02	3.3203+04	4.1491-04	8.1130+00
401	475.13	1.2543+01	1.0540+00	3.3116-03	1.0540+00	3.3116-03	2.3155-03	5.2614-02	6.7475+04	8.4151-04	4.5500-01
403	498.96	3.5444+01	2.9892+00	9.5645-03	2.9892+00	9.5645-03	6.6877-03	1.5196-01	1.9488+05	2.4329-03	6.8600-01
404	261.48	-1.2724+02	-4.2292+00	-8.5979-03	-4.2292+00	-8.5979-03	-6.0118-03	-1.3660-01	-1.7519+05	-2.1262-03	8.0100-01
405	528.42	6.5505+01	5.6262+00	1.8427-02	5.6262+00	1.8427-02	1.2884-02	2.9277-01	3.7546+05	4.6933-03	1.0510+00
406	526.55	7.5062+01	6.4804+00	2.1186-02	6.4804+00	2.1186-02	1.4814-02	3.3660-01	4.3168+05	5.3956-03	1.1670+00
407	541.31	9.0483+01	8.0238+00	2.6541-02	8.0238+00	2.6541-02	1.8558-02	4.2167-01	5.4078+05	6.7637-03	1.2830+00
408	478.75	1.7999+01	1.4802+00	4.6635-03	1.4802+00	4.6635-03	3.2608-03	7.4093-02	9.5021+04	1.1852-03	5.1300-01
409	463.04	4.1242+00	3.4173-01	1.0640-03	3.4173-01	1.0640-03	7.4347-04	1.6905-02	2.1679+04	2.7023-04	5.7000-01
410	477.91	1.8897+01	1.5249+00	4.8014-03	1.5249+00	4.8014-03	3.3572-03	7.6283-02	9.7830+04	1.2202-03	6.2800-01
411	465.41	4.9621+00	4.1181-01	1.2845-03	4.1181-01	1.2845-03	8.9814-04	2.0408-02	2.6172+04	3.2627-04	6.8600-01
412	497.17	2.6206+01	2.2076+00	7.0538-03	2.2076+00	7.0538-03	4.9321-03	1.1207-01	1.4372+05	1.7941-03	7.4400-01
413	467.11	7.1169+00	5.9484-01	1.8577-03	5.9484-01	1.8577-03	1.2990-03	2.9516-02	3.7852+04	4.7191-04	8.0100-01
414	499.40	4.4619+01	3.7641+00	1.2048-02	3.7641+00	1.2048-02	8.4241-03	1.9142-01	2.4548+05	3.0647-03	8.5900-01
415	469.39	9.5008+00	7.9060-01	2.4733-03	7.9060-01	2.4733-03	1.7294-03	3.9296-02	5.0395+04	6.2835-04	9.1700-01
416	479.99	1.7830+01	1.3875+00	4.3755-03	1.3875+00	4.3755-03	3.0594-03	6.9517-02	8.9153+04	1.1121-03	5.7000-01
417	516.12	6.2512+01	5.3300+00	1.7283-02	5.3300+00	1.7283-02	1.2085-02	2.7459-01	3.5215+05	4.3995-03	1.0520+00

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16 1 6.95 -5.05 .00 -.00 402 1 2.45 10.09 459.4 1727.3

8.40224+01 9.82053-03 7.00374-01 4.53359+03 9.80622-06 6.80581-08 5.48020-02 7.72000+00 7.03213-06 7.47155-02

1	467.33	5.7943+00	9.8019-01	3.0608-03	9.8019-01	3.0608-03	2.1399-03	4.8630-02	6.2381+04	7.7797-04	4.1100-01
2	501.82	3.7499+01	6.4886+00	2.0801-02	6.4886+00	2.0801-02	1.4542-02	3.3048-01	4.2393+05	5.2949-03	7.1100-01
3	473.78	2.3586+01	4.0072+00	1.2574-02	4.0072+00	1.2574-02	8.7909-03	1.9978-01	2.5627+05	3.1969-03	1.3070+00
4	465.44	3.0904+01	5.2213+00	1.6281-02	5.2213+00	1.6281-02	1.1382-02	2.5867-01	3.3182+05	4.1379-03	1.6410+00
5	449.86	2.1542+01	3.7697+00	1.1619-02	3.7697+00	1.1619-02	8.1233-03	1.8461-01	2.3681+05	2.9511-03	1.7720+00
6	422.38	2.0748+00	3.3529-01	1.0129-03	3.3529-01	1.0129-03	7.0812-04	1.6092-02	2.0643+04	2.5695-04	2.4660+00
7	422.49	1.3403+00	2.1596-01	6.5245-04	2.1596-01	6.5245-04	4.5614-04	1.0366-02	1.3297+04	1.6552-04	3.0090+00
8	425.47	1.2545+00	2.0077-01	6.0786-04	2.0077-01	6.0786-04	4.2497-04	9.6576-03	1.2388+04	1.5423-04	3.3930+00
9	430.11	1.3418+00	2.1544-01	6.5448-04	2.1544-01	6.5448-04	4.5756-04	1.0398-02	1.3339+04	1.6609-04	3.7770+00
10	446.32	2.0530+00	3.3437-01	1.0279-03	3.3437-01	1.0279-03	7.1864-04	1.6331-02	2.0949+04	2.6103-04	5.3230+00
14	478.89	2.1491+01	3.6637+00	1.1541-02	3.6637+00	1.1541-02	8.0683-03	1.8335-01	2.3520+05	2.9347-03	1.0880+00
15	501.78	5.1083+01	8.8388+00	2.8334-02	8.8388+00	2.8334-02	1.9809-02	4.5017-01	5.7746+05	7.2125-03	1.3070+00
16	491.72	5.6091+01	9.6425+00	3.0672-02	9.6425+00	3.0672-02	2.1444-02	4.8732-01	6.2511+05	7.8042-03	1.6410+00
19	468.88	5.3018+00	8.1644-01	2.5524-03	8.1644-01	2.5524-03	1.7845-03	4.0553-02	5.2020+04	6.4880-04	4.1100-01
20	479.05	1.5717+01	2.5543+00	8.0471-03	2.5543+00	8.0471-03	5.6259-03	1.2785-01	1.6400+05	2.0464-03	7.1100-01
21	486.82	2.7350+01	4.5360+00	1.4375-02	4.5360+00	1.4375-02	1.0050-02	2.2839-01	2.9297+05	3.6568-03	1.0880+00
22	507.48	5.8175+01	9.8367+00	3.1673-02	9.8367+00	3.1673-02	2.2143-02	5.0321-01	6.4550+05	8.0643-03	1.3070+00
23	485.65	5.3149+01	8.7281+00	2.7635-02	8.7281+00	2.7635-02	1.9320-02	4.3907-01	5.6322+05	7.0297-03	1.6410+00
24	427.59	1.5366+00	2.4628-01	7.4680-04	2.4628-01	7.4680-04	5.2210-04	1.1865-02	1.5220+04	1.8950-04	3.0090+00
25	431.82	1.5179+00	2.3815-01	7.2437-04	2.3815-01	7.2437-04	5.0642-04	1.1509-02	1.4763+04	1.8384-04	3.3930+00
26	436.30	1.7091+00	2.7064-01	8.2588-04	2.7064-01	8.2588-04	5.7739-04	1.3121-02	1.6832+04	2.0964-04	3.7770+00
27	510.60	4.2214+01	7.0017+00	2.2599-02	7.0017+00	2.2599-02	1.5799-02	3.5905-01	4.6058+05	5.7548-03	7.1100-01
28	507.52	4.9009+01	8.2373+00	2.6524-02	8.2373+00	2.6524-02	1.8543-02	4.2140-01	5.4056+05	6.7533-03	1.0880+00
29	512.65	5.5550+01	9.5085+00	3.0739-02	9.5085+00	3.0739-02	2.1490-02	4.8838-01	6.2647+05	7.8284-03	1.3070+00
30	487.90	5.1167+01	8.6460+00	2.7422-02	8.6460+00	2.7422-02	1.9171-02	4.3568-01	5.5887+05	6.9761-03	1.6410+00
31	453.23	2.4393+01	4.0874+00	1.2630-02	4.0874+00	1.2630-02	8.8298-03	2.0066-01	2.5740+05	3.2082-03	1.7720+00
32	426.11	1.4971+00	2.4258-01	7.3480-04	2.4258-01	7.3480-04	5.1371-04	1.1674-02	1.4975+04	1.8644-04	2.4660+00
33	427.80	1.1870+00	1.9313-01	5.8573-04	1.9313-01	5.8573-04	4.0950-04	9.3060-03	1.1937+04	1.4863-04	3.0090+00
34	432.27	1.0566+00	1.6991-01	5.1698-04	1.6991-01	5.1698-04	3.6143-04	8.2136-03	1.0536+04	1.3121-04	3.3930+00
35	436.92	1.2307+00	1.9019-01	5.8066-04	1.9019-01	5.8066-04	4.0595-04	9.2254-03	1.1834+04	1.4740-04	3.7770+00
36	525.17	5.9632+01	1.0165+01	3.3186-02	1.0165+01	3.3186-02	2.3201-02	5.2726-01	6.7635+05	8.4563-03	1.3070+00
37	430.54	3.8670+00	6.3600-01	1.9327-03	6.3600-01	1.9327-03	1.3512-03	3.0706-02	3.9389+04	4.9046-04	2.4660+00
38	430.16	2.3325+00	3.7451-01	1.1378-03	3.7451-01	1.1378-03	7.9543-04	1.8076-02	2.3188+04	2.8873-04	3.0090+00
39	433.48	1.4260+00	2.2812-01	6.9470-04	2.2812-01	6.9470-04	4.8568-04	1.1037-02	1.4158+04	1.7632-04	3.3930+00
40	437.74	1.0083+00	1.6032-01	4.8975-04	1.6032-01	4.8975-04	3.4239-04	7.7810-03	9.9812+03	1.2432-04	3.7770+00
41	443.36	9.4078-01	1.4696-01	4.5080-04	1.4696-01	4.5080-04	3.1516-04	7.1621-03	9.1874+03	1.1446-04	4.1620+00
43	448.77	1.9112+00	3.1553-01	9.7176-04	3.1553-01	9.7176-04	6.7937-04	1.5439-02	1.9805+04	2.4680-04	5.3230+00
47	473.22	5.6613+00	9.2492-01	2.9011-03	9.2492-01	2.9011-03	2.0282-03	4.6092-02	5.9125+04	7.3756-04	7.1100-01
48	479.05	1.3099+01	2.1876+00	6.8918-03	2.1876+00	6.8918-03	4.8182-03	1.0950-01	1.4046+05	1.7526-03	1.0880+00
49	493.92	3.3835+01	5.7397+00	1.8289-02	5.7397+00	1.8289-02	1.2786-02	2.9056-01	3.7273+05	4.6538-03	1.3070+00
50	502.69	4.6049+01	7.9025+00	2.5351-02	7.9025+00	2.5351-02	1.7723-02	4.0277-01	5.1666+05	6.4533-03	1.6410+00
51	468.35	2.0484+01	3.4676+00	1.0836-02	3.4676+00	1.0836-02	7.5760-03	1.7217-01	2.2085+05	2.7544-03	1.7720+00
52	433.32	2.5621+00	4.2344-01	1.2894-03	4.2344-01	1.2894-03	9.0142-04	2.0485-02	2.6278+04	3.2725-04	2.4660+00
53	429.52	1.8145+00	2.9122-01	8.8432-04	2.9122-01	8.8432-04	6.1824-04	1.4050-02	1.8023+04	2.2441-04	3.0090+00
54	434.96	1.5943+00	2.5377-01	7.7364-04	2.5377-01	7.7364-04	5.4087-04	1.2292-02	1.5767+04	1.9637-04	3.3930+00
55	437.70	1.3631+00	2.1342-01	6.5194-04	2.1342-01	6.5194-04	4.5579-04	1.0358-02	1.3287+04	1.6550-04	3.7770+00
56	465.97	9.4391-01	1.4647-01	4.5691-04	1.4647-01	4.5691-04	3.1944-04	7.2594-03	9.3121+03	1.1613-04	4.1100-01
57	469.85	3.2281+00	5.2301-01	1.6363-03	5.2301-01	1.6363-03	1.1440-03	2.5997-02	3.3348+04	4.1594-04	7.1100-01
58	468.72	4.5143+00	7.4873-01	2.3405-03	7.4873-01	2.3405-03	1.6363-03	3.7185-02	4.7700+04	5.9492-04	1.0880+00
59	469.69	5.7907+00	9.6392-01	3.0153-03	9.6392-01	3.0153-03	2.1081-03	4.7907-02	6.1454+04	7.6649-04	1.3070+00
60	485.05	2.7698+01	4.6716+00	1.4785-02	4.6716+00	1.4785-02	1.0336-02	2.3489-01	3.0131+05	3.7607-03	1.6410+00
61	434.07	1.6951+00	2.7210-01	8.2899-04	2.7210-01	8.2899-04	5.7956-04	1.3171-02	1.6895+04	2.1061-04	3.0090+00
62	436.71	2.0088+00	3.2014-01	9.7725-04	3.2014-01	9.7725-04	6.8321-04	1.5526-02	1.9917+04	2.4806-04	3.3930+00
63	439.11	2.2177+00	3.4756-01	1.0628-03	3.4756-01	1.0628-03	7.4303-04	1.6886-02	2.1660+04	2.6981-04	3.7770+00
64	464.58	2.6145+00	4.4148-01	1.3757-03	4.4148-01	1.3757-03	9.6181-04	2.1858-02	2.8038+04	3.4963-04	1.0880+00
65	464.24	2.9907+00	5.0487-01	1.5729-03	5.0487-01	1.5729-03	1.0996-03	2.4990-02	3.2056+04	3.9973-04	1.3070+00
66	462.44	5.6509+00	9.5281-01	2.9644-03	9.5281-01	2.9644-03	2.0725-03	4.7098-02	6.0416+04	7.5331-04	1.6410+00
69	464.75	9.4234-01	1.5914-01	4.9597-04	1.5914-01	4.9597-04	3.4674-04	7.8798-03	1.0108+04	1.2605-04	4.1100-01
70	461.77	1.0608+00	1.7878-01	5.5595-04	1.7878-01	5.5595-04	3.8867-04	8.8328-03	1.1330+04	1.4127-04	7.1100-01
71	455.91	1.7595+00	2.9450-01	9.1180-04	2.9450-01	9.1180-04	6.3745-04	1.4486-02	1.8583+04	2.3164-04	1.3070+00
72	453.33	3.0753+00	5.1534-01	1.5925-03	5.1534-01	1.5925-03	1.1134-03	2.5302-02	3.2456+04	4.0453-04	1.6410+00
73	454.33	1.1647+00	1.8788-01	5.8101-04	1.8788-01	5.8101-04	4.0620-04	9.2310-03	1.1841+04	1.4759-04	3.7770+00
74	455.93	5.4805-01	8.9849-02	2.7819-04	8.9849-02	2.7819-04	1.9449-04	4.4198-03	5.6696+03	7.0673-05	5.3230+00
77	424.56	1.9070+00	3.1049-01	9.3942-04	3.1049-01	9.3942-04	6.5677-04	1.4925-02	1.9146+04	2.3834-04	3.0090+00
78	428.41	1.7584+00	2.8369-01	8.6075-04	2.8369-01	8.6075-04	6.0177-04	1.3675-02	1.7542+04	2.1842-04	3.3930+00
79	432.52	1.8795+00	2.9865-01	9.0886-04	2.9865-01	9.0886-04	6.3540-04	1.4440-02	1.8523+04	2.3066-04	3.7770+00
80	423.97	2.1164+00	3.4849-01	1.0540-03	3.4849-01	1.0540-03	7.3684-04	1.6745-02	2.1480+04	2.6739-04	2.4660+00
81	422.66	1.3371+00	2.1741-01	6.5690-04	2.1741-01	6.5690-04	4.5925-04	1.0437-02	1.3388+04	1.6665-04	3.0090+00
82	426.03	1.2260+00	1.9804-01	5.9985-04	1.9804-01	5.9985-04	4.1936-04	9.5302-03	1.2225+04	1.5220-04	3.3930+00
83	430.49	1.3709+00	2.2017-01	6.6904-04	2.2017-01	6.6904-04	4.6774-04	1.0630-02	1.3635+04	1.6978-04	3.7770+00
337	478.22	2.1324+01	3.9841+00	1.2544-02	3.9841+00	1.2544-02	8.7696-03	1.9929-01	2.5565+05	3.1848-03	7.1680+00
339	488.38	5.6286+00	1.0812+00	3.4307-03	1.0812+00	3.4307-03	2.3984-03	5.4506-02	6.9918+04	8.7276-04	8.1130+00
340	482.19	1.1532+00	2.1603-01	6.8222-04	2.1603-01	6.8222-04	4.7695-04	1.0839-02	1.3904+04	1.7351-04	8.6180+00
342	483.78	1.8934+01	3.6642+00	1.1585-02	3.6642+00	1.1585-02	8.0994-03	1.8406-01	2.3611+05	2.9467-03	7.1680+00
344	486.71	6.2551+00	1.2066+00	3.8233-03	1.2066+00	3.8233-03	2.6730-03	6.0744-02	7.7921+04	9.7259-04	8.1130+00
347	479.21	1.7008+01	3.1798+00	1.0019-02	3.1798+00	1.0019-02	7.0044-03	1.5918-01	2.0419+05	2.5478-03	7.1680+00
349	489.08	6.5060+00	1.2536+00	3.9797-03	1.2536+00	3.9797-03	2.7823-03	6.3229-02	8.1108+04	1.0125-03	8.1130+00
350	478.03	1.2005+00	2.1172-01	6.6647-04	2.1172-01	6.6647-04	4.6594-04	1.0589-02	1.3583+04	1.6948-04	8.6180+00
352	481.30	1.6820+01	3.0734+00	9.6989-03	3.0734+00	9.6989-03	6.7807-03	1.5409-01	1.9767+05	2.4667-03	7.1680+00
354	495.77	7.4842+00	1.4446+00	4.6095-03	1.4446+00	4.6095-03	3.2226-03	7.3235-02	9.3944+04	1.1730-03	8.1130+00
357	486.74	1.8982+00	3.4713-01	1.1000-03	3.4713-01	1.1000-03	7.6905-04	1.7477-02	2.2419+04	2.7983-04	7.1680+00
359	521.61	2.3803+00	4.3656-01	1.4212-03	4.3656-01	1.4212-03	9.9362-04	2.2580-02	2.8966+04	3.6209-04	8.1130+00
401	478.26	1.2338+01	1.0389+00	3.2709-03	1.0389+00	3.2709-03	2.2867-03	5.1967-02	6.6662+04	8.3176-04	4.5500-01
403	507.73	3.4168+01	2.8979+00	9.3325-03	2.8979+00	9.3325-03	6.5246-03	1.4827-01	1.9020+05	2.3762-03	6.8600-01
404	292.94	-1.2739+02	-3.9068+00	-7.8254-03	-3.9068+00	-7.8254-03	-5.4709-03	-1.2433-01	-1.5948+05	-1.9339-03	8.0100-01
405	544.42	6.2029+01	5.3821+00	1.7841-02	5.3821+00	1.7841-02	1.2473-02	2.8346-01	3.6361+05	4.5501-03	1.0510+00
406	545.23	7.2845+01	6.3615+00	2.1102-02	6.3615+00	2.1102-02	1.4753-02	3.3526-01	4.3006+05	5.3819-03	1.1670+00
407	563.50	8.6281+01	7.7538+00	2.6102-02	7.7538+00	2.6102-02	1.8249-02	4.1471-01	5.3197+05	6.6627-03	1.2830+00
408	483.06	1.7380+01	1.4334+00	4.5294-03	1.4334+00	4.5294-03	3.1666-03	7.1963-02	9.2312+04	1.1520-03	5.1300-01
409	464.09	4.2998+00	3.5653-01	1.1106-03	3.5653-01	1.1106-03	7.7646-04	1.7645-02	2.2635+04	2.8225-04	5.7000-01
410	482.69	1.9115+01	1.5474+00	4.8884-03	1.5474+00	4.8884-03	3.4175-03	7.7665-02	9.9626+04	1.2433-03	6.2800-01
411	466.68	5.2146+00	4.3314-01	1.3519-03	4.3314-01	1.3519-03	9.4512-04	2.1478-02	2.7552+04	3.4360-04	6.8600-01
412	503.79	2.6329+01	2.2274+00	7.1516-03	2.2274+00	7.1516-03	4.9998-03	1.1362-01	1.4575+05	1.8206-03	7.4400-01
413	468.94	7.4338+00	6.2209-01	1.9449-03	6.2209-01	1.9449-03	1.3597-03	3.0900-02	3.9638+04	4.9438-04	8.0100-01
414	510.71	4.4814+01	3.8079+00	1.2292-02	3.8079+00	1.2292-02	8.5935-03	1.9529-01	2.5051+05	3.1301-03	8.5900-01
415	471.85	1.0184+01	8.4888-01	2.6598-03	8.4888-01	2.6598-03	1.8595-03	4.2258-02	5.4208+04	6.7618-04	9.1700-01
416	484.39	1.7659+01	1.3781+00	4.3592-03	1.3781+00	4.3592-03	3.0476-03	6.9258-02	8.8842+04	1.1088-03	5.7000-01
417	531.82	6.1983+01	5.3368+00	1.7515-02	5.3368+00	1.7515-02	1.2245-02	2.7827-01	3.5695+05	4.4643-03	1.0520+00

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8.40224+01 9.82053-03 7.00374-01 4.53359+03 9.80622-06 6.80581-08 5.48020-02 7.72000+00 7.03213-06 7.47155-02

1	468.79	5.9491+00	1.0074+00	3.1492-03	1.0074+00	3.1492-03	2.2016-03	5.0033-02	6.4181+04	8.0047-04	4.1100-01
2	511.12	3.7033+01	6.4460+00	2.0814-02	6.4460+00	2.0814-02	1.4551-02	3.3069-01	4.2420+05	5.3004-03	7.1100-01
3	479.69	2.3778+01	4.0555+00	1.2783-02	4.0555+00	1.2783-02	8.9367-03	2.0309-01	2.6052+05	3.2507-03	1.3070+00
4	473.22	3.0887+01	5.2456+00	1.6453-02	5.2456+00	1.6453-02	1.1503-02	2.6140-01	3.3532+05	4.1830-03	1.6410+00
5	455.17	2.1401+01	3.7586+00	1.1631-02	3.7586+00	1.1631-02	8.1314-03	1.8479-01	2.3704+05	2.9547-03	1.7720+00
6	422.86	2.0655+00	3.3390-01	1.0090-03	3.3390-01	1.0090-03	7.0542-04	1.6031-02	2.0564+04	2.5598-04	2.4660+00
7	422.81	1.3205+00	2.1283-01	6.4313-04	2.1283-01	6.4313-04	4.4963-04	1.0218-02	1.3107+04	1.6316-04	3.0090+00
8	425.76	1.2795+00	2.0480-01	6.2020-04	2.0480-01	6.2020-04	4.3360-04	9.8537-03	1.2640+04	1.5736-04	3.3930+00
9	430.43	1.2930+00	2.0765-01	6.3096-04	2.0765-01	6.3096-04	4.4111-04	1.0025-02	1.2859+04	1.6012-04	3.7770+00
10	446.84	2.0261+00	3.3042-01	1.0162-03	3.3042-01	1.0162-03	7.1043-04	1.6145-02	2.0710+04	2.5806-04	5.3230+00
14	484.25	2.1673+01	3.7076+00	1.1727-02	3.7076+00	1.1727-02	8.1984-03	1.8631-01	2.3900+05	2.9828-03	1.0880+00
15	514.49	5.0899+01	8.8784+00	2.8744-02	8.8784+00	2.8744-02	2.0095-02	4.5667-01	5.8580+05	7.3208-03	1.3070+00
16	505.63	5.5139+01	9.5640+00	3.0751-02	9.5640+00	3.0751-02	2.1498-02	4.8896-01	6.2671+05	7.8289-03	1.6410+00
19	470.20	5.2868+00	8.1484-01	2.5500-03	8.1484-01	2.5500-03	1.7827-03	4.0513-02	5.1969+04	6.4821-04	4.1100-01
20	483.02	1.6215+01	2.6420+00	8.3484-03	2.6420+00	8.3484-03	5.8365-03	1.3264-01	1.7014+05	2.1234-03	7.1100-01
21	493.63	2.7383+01	4.5616+00	1.4532-02	4.5616+00	1.4532-02	1.0159-02	2.3087-01	2.9616+05	3.6977-03	1.0880+00
22	521.99	5.7721+01	9.8496+00	3.2075-02	9.8496+00	3.2075-02	2.2425-02	5.0961-01	6.5371+05	8.1721-03	1.3070+00
23	498.89	5.2587+01	8.7103+00	2.7860-02	8.7103+00	2.7860-02	1.9478-02	4.4264-01	5.6780+05	7.0909-03	1.6410+00
24	427.98	1.5252+00	2.4452-01	7.4166-04	2.4452-01	7.4166-04	5.1851-04	1.1783-02	1.5115+04	1.8819-04	3.0090+00
25	432.19	1.5387+00	2.4147-01	7.3467-04	2.4147-01	7.3467-04	5.1362-04	1.1672-02	1.4973+04	1.8645-04	3.3930+00
26	436.72	1.8177+00	2.8791-01	8.7888-04	2.8791-01	8.7888-04	6.1444-04	1.3963-02	1.7912+04	2.2310-04	3.7770+00
27	520.95	4.0803+01	6.8118+00	2.2165-02	6.8118+00	2.2165-02	1.5496-02	3.5215-01	4.5173+05	5.6468-03	7.1100-01
28	519.66	4.8279+01	8.1770+00	2.6580-02	8.1770+00	2.6580-02	1.8583-02	4.2230-01	5.4171+05	6.7713-03	1.0880+00
29	526.50	5.5043+01	9.5038+00	3.1059-02	9.5038+00	3.1059-02	2.1714-02	4.9346-01	6.3300+05	7.9148-03	1.3070+00
30	500.57	5.0212+01	8.5544+00	2.7397-02	8.5544+00	2.7397-02	1.9154-02	4.3528-01	5.5836+05	6.9736-03	1.6410+00
31	459.35	2.4646+01	4.1469+00	1.2872-02	4.1469+00	1.2872-02	8.9993-03	2.0451-01	2.6234+05	3.2706-03	1.7720+00
32	426.49	1.5361+00	2.4896-01	7.5433-04	2.4896-01	7.5433-04	5.2736-04	1.1985-02	1.5373+04	1.9140-04	2.4660+00
33	428.09	1.1512+00	1.8734-01	5.6828-04	1.8734-01	5.6828-04	3.9729-04	9.0287-03	1.1582+04	1.4420-04	3.0090+00
34	432.52	1.0390+00	1.6710-01	5.0852-04	1.6710-01	5.0852-04	3.5551-04	8.0792-03	1.0364+04	1.2906-04	3.3930+00
35	437.24	1.2239+00	1.8919-01	5.7773-04	1.8919-01	5.7773-04	4.0390-04	9.1788-03	1.1774+04	1.4665-04	3.7770+00
36	539.81	5.7652+01	9.9168+00	3.2753-02	9.9168+00	3.2753-02	2.2898-02	5.2037-01	6.6751+05	8.3513-03	1.3070+00
37	431.52	3.9403+00	6.4849-01	1.9721-03	6.4849-01	1.9721-03	1.3787-03	3.1332-02	4.0191+04	5.0048-04	2.4660+00
38	430.74	2.3319+00	3.7458-01	1.1385-03	3.7458-01	1.1385-03	7.9592-04	1.8088-02	2.3202+04	2.8891-04	3.0090+00
39	433.86	1.3616+00	2.1787-01	6.6367-04	2.1787-01	6.6367-04	4.6399-04	1.0544-02	1.3526+04	1.6845-04	3.3930+00
40	437.99	1.0078+00	1.6026-01	4.8967-04	1.6026-01	4.8967-04	3.4234-04	7.7797-03	9.9796+03	1.2430-04	3.7770+00
41	443.58	9.3195-01	1.4560-01	4.4671-04	1.4560-01	4.4671-04	3.1230-04	7.0972-03	9.1041+03	1.1343-04	4.1620+00
43	449.25	1.9288+00	3.1855-01	9.8142-04	3.1855-01	9.8142-04	6.8613-04	1.5593-02	2.0002+04	2.4925-04	5.3230+00
47	474.62	5.5257+00	9.0361-01	2.8372-03	9.0361-01	2.8372-03	1.9836-03	4.5077-02	5.7824+04	7.2137-04	7.1100-01
48	482.38	1.3329+01	2.2309+00	7.0459-03	2.2309+00	7.0459-03	4.9260-03	1.1194-01	1.4360+05	1.7920-03	1.0880+00
49	502.36	3.3641+01	5.7379+00	1.8402-02	5.7379+00	1.8402-02	1.2865-02	2.9237-01	3.7504+05	4.6843-03	1.3070+00
50	514.13	4.5479+01	7.8616+00	2.5444-02	7.8616+00	2.5444-02	1.7789-02	4.0426-01	5.1857+05	6.4804-03	1.6410+00
51	473.51	2.0834+01	3.5389+00	1.1103-02	3.5389+00	1.1103-02	7.7620-03	1.7639-01	2.2627+05	2.8227-03	1.7720+00
52	433.97	2.6010+00	4.3007-01	1.3102-03	4.3007-01	1.3102-03	9.1598-04	2.0816-02	2.6702+04	3.3254-04	2.4660+00
53	429.98	1.8862+00	3.0283-01	9.1986-04	3.0283-01	9.1986-04	6.4309-04	1.4615-02	1.8747+04	2.3343-04	3.0090+00
54	435.36	1.6125+00	2.5673-01	7.8291-04	2.5673-01	7.8291-04	5.4735-04	1.2439-02	1.5956+04	1.9872-04	3.3930+00
55	438.03	1.3740+00	2.1518-01	6.5748-04	2.1518-01	6.5748-04	4.5965-04	1.0446-02	1.3400+04	1.6690-04	3.7770+00
56	466.25	7.8493-01	1.2182-01	3.8011-04	1.2182-01	3.8011-04	2.6574-04	6.0341-03	7.7467+03	9.6608-05	4.1100-01
57	470.66	3.2249+00	5.2278-01	1.6366-03	5.2278-01	1.6366-03	1.1442-03	2.6002-02	3.3354+04	4.1603-04	7.1100-01
58	469.85	4.5475+00	7.5481-01	2.3615-03	7.5481-01	2.3615-03	1.6510-03	3.7519-02	4.8128+04	6.0029-04	1.0880+00
59	471.15	5.8748+00	9.7888-01	3.0655-03	9.7888-01	3.0655-03	2.1432-03	4.8705-02	6.2477+04	7.7930-04	1.3070+00
60	491.98	2.7614+01	4.6785+00	1.4885-02	4.6785+00	1.4885-02	1.0406-02	2.3649-01	3.0336+05	3.7874-03	1.6410+00
61	434.49	1.6868+00	2.7084-01	8.2542-04	2.7084-01	8.2542-04	5.7707-04	1.3114-02	1.6822+04	2.0951-04	3.0090+00
62	437.23	1.9662+00	3.1346-01	9.5723-04	3.1346-01	9.5723-04	6.6922-04	1.5208-02	1.9509+04	2.4299-04	3.3930+00
63	439.66	2.2540+00	3.5339-01	1.0811-03	3.5339-01	1.0811-03	7.5580-04	1.7176-02	2.2033+04	2.7445-04	3.7770+00
64	465.24	2.6010+00	4.3939-01	1.3699-03	4.3939-01	1.3699-03	9.5774-04	2.1765-02	2.7919+04	3.4816-04	1.0880+00
65	465.00	3.0597+00	5.1680-01	1.6110-03	5.1680-01	1.6110-03	1.1263-03	2.5595-02	3.2832+04	4.0942-04	1.3070+00
66	463.85	5.7335+00	9.6765-01	3.0138-03	9.6765-01	3.0138-03	2.1070-03	4.7882-02	6.1422+04	7.6590-04	1.6410+00
69	464.99	9.2364-01	1.5600-01	4.8629-04	1.5600-01	4.8629-04	3.3998-04	7.7261-03	9.9108+03	1.2359-04	4.1100-01
70	462.03	1.0525+00	1.7741-01	5.5180-04	1.7741-01	5.5180-04	3.8577-04	8.7668-03	1.1246+04	1.4022-04	7.1100-01
71	456.34	1.7413+00	2.9154-01	9.0293-04	2.9154-01	9.0293-04	6.3126-04	1.4346-02	1.8402+04	2.2939-04	1.3070+00
72	454.13	3.1299+00	5.2477-01	1.6226-03	5.2477-01	1.6226-03	1.1344-03	2.5779-02	3.3069+04	4.1218-04	1.6410+00
73	454.61	1.1813+00	1.9060-01	5.8954-04	1.9060-01	5.8954-04	4.1216-04	9.3665-03	1.2015+04	1.4976-04	3.7770+00
74	456.04	5.3039-01	8.6960-02	2.6927-04	8.6960-02	2.6927-04	1.8825-04	4.2781-03	5.4877+03	6.8407-05	5.3230+00
77	425.03	1.9491+00	3.1744-01	9.6079-04	3.1744-01	9.6079-04	6.7171-04	1.5265-02	1.9581+04	2.4377-04	3.0090+00
78	428.85	1.7169+00	2.7707-01	8.4093-04	2.7707-01	8.4093-04	5.8791-04	1.3361-02	1.7138+04	2.1339-04	3.3930+00
79	432.99	1.8634+00	2.9619-01	9.0167-04	2.9619-01	9.0167-04	6.3038-04	1.4326-02	1.8376+04	2.2885-04	3.7770+00
80	424.50	2.1481+00	3.5384-01	1.0706-03	3.5384-01	1.0706-03	7.4845-04	1.7009-02	2.1818+04	2.7161-04	2.4660+00
81	422.97	1.3392+00	2.1780-01	6.5822-04	2.1780-01	6.5822-04	4.6017-04	1.0458-02	1.3415+04	1.6699-04	3.0090+00
82	426.33	1.2275+00	1.9834-01	6.0087-04	1.9834-01	6.0087-04	4.2008-04	9.5465-03	1.2246+04	1.5246-04	3.3930+00
83	430.83	1.3600+00	2.1847-01	6.6404-04	2.1847-01	6.6404-04	4.6424-04	1.0550-02	1.3533+04	1.6852-04	3.7770+00
337	483.52	2.0974+01	3.9324+00	1.2431-02	3.9324+00	1.2431-02	8.6906-03	1.9750-01	2.5334+05	3.1617-03	7.1680+00
339	489.77	5.6291+00	1.0823+00	3.4377-03	1.0823+00	3.4377-03	2.4034-03	5.4618-02	7.0062+04	8.7461-04	8.1130+00
340	482.48	1.1958+00	2.2406-01	7.0771-04	2.2406-01	7.0771-04	4.9477-04	1.1244-02	1.4423+04	1.8000-04	8.6180+00
342	488.50	1.8888+01	3.6665+00	1.1634-02	3.6665+00	1.1634-02	8.1339-03	1.8485-01	2.3711+05	2.9598-03	7.1680+00
344	488.26	6.2338+00	1.2037+00	3.8187-03	1.2037+00	3.8187-03	2.6697-03	6.0671-02	7.7827+04	9.7148-04	8.1130+00
347	483.47	1.6935+01	3.1751+00	1.0036-02	3.1751+00	1.0036-02	7.0166-03	1.5946-01	2.0455+05	2.5527-03	7.1680+00
349	490.70	6.5392+00	1.2614+00	4.0092-03	1.2614+00	4.0092-03	2.8029-03	6.3698-02	8.1709+04	1.0201-03	8.1130+00
350	478.33	1.2520+00	2.2083-01	6.9532-04	2.2083-01	6.9532-04	4.8611-04	1.1047-02	1.4171+04	1.7681-04	8.6180+00
352	485.46	1.6612+01	3.0437+00	9.6357-03	3.0437+00	9.6357-03	6.7365-03	1.5309-01	1.9638+05	2.4510-03	7.1680+00
354	497.60	7.4494+00	1.4396+00	4.6000-03	1.4396+00	4.6000-03	3.2160-03	7.3065-02	9.3751+04	1.1707-03	8.1130+00
357	487.22	1.8706+00	3.4220-01	1.0848-03	3.4220-01	1.0848-03	7.5841-04	1.7235-02	2.2109+04	2.7596-04	7.1680+00
359	522.21	2.3242+00	4.2643-01	1.3849-03	4.2643-01	1.3849-03	9.7102-04	2.2067-02	2.8307+04	3.5387-04	8.1130+00
401	481.31	1.2131+01	1.0235+00	3.2300-03	1.0235+00	3.2300-03	2.2582-03	5.1318-02	6.5829+04	8.2147-04	4.5500-01
403	516.09	3.2489+01	2.7701+00	8.9792-03	2.7701+00	8.9792-03	6.2775-03	1.4266-01	1.8300+05	2.2871-03	6.8600-01
404	327.96	-1.2788+02	-3.5507+00	-6.9990-03	-3.5507+00	-6.9990-03	-4.8931-03	-1.1120-01	-1.4264+05	-1.7276-03	8.0100-01
405	559.42	5.8821+01	5.1500+00	1.7279-02	5.1500+00	1.7279-02	1.2080-02	2.7453-01	3.5216+05	4.4098-03	1.0510+00
406	563.10	6.9882+01	6.1685+00	2.0759-02	6.1685+00	2.0759-02	1.4513-02	3.2961-01	4.2307+05	5.2986-03	1.1670+00
407	584.48	8.1994+01	7.4595+00	2.5548-02	7.4595+00	2.5548-02	1.7861-02	4.0590-01	5.2068+05	6.5275-03	1.2830+00
408	487.39	1.7158+01	1.4190+00	4.4990-03	1.4190+00	4.4990-03	3.1453-03	7.1479-02	9.1691+04	1.1445-03	5.1300-01
409	469.22	4.6187+00	3.8327-01	1.1949-03	3.8327-01	1.1949-03	8.3540-04	1.8985-02	2.4353+04	3.0369-04	5.7000-01
410	487.47	1.9123+01	1.5529+00	4.9236-03	1.5529+00	4.9236-03	3.4422-03	7.8225-02	1.0034+05	1.2525-03	6.2800-01
411	468.01	5.5091+00	4.5861-01	1.4310-03	4.5861-01	1.4310-03	1.0004-03	2.2735-02	2.9163+04	3.6372-04	6.8600-01
412	510.57	2.7211+01	2.3120+00	7.4621-03	2.3120+00	7.4621-03	5.2169-03	1.1856-01	1.5208+05	1.9002-03	7.4400-01
413	470.83	7.9507+00	6.6618-01	2.0858-03	6.6618-01	2.0858-03	1.4582-03	3.3138-02	4.2508+04	5.3022-04	8.0100-01
414	521.90	4.4332+01	3.7936+00	1.2353-02	3.7936+00	1.2353-02	8.6362-03	1.9626-01	2.5176+05	3.1473-03	8.5900-01
415	474.48	1.0890+01	9.0931-01	2.8548-03	9.0931-01	2.8548-03	1.9958-03	4.5356-02	5.8182+04	7.2583-04	9.1700-01
416	488.79	1.7567+01	1.3749+00	4.3636-03	1.3749+00	4.3636-03	3.0507-03	6.9328-02	8.8932+04	1.1101-03	5.7000-01
417	547.24	6.0852+01	5.2890+00	1.7572-02	5.2890+00	1.7572-02	1.2285-02	2.7919-01	3.5813+05	4.4821-03	1.0520+00

16 1 6.95 -5.05 .00 -.00 4C2 1 3.20 10.09 459.4 1727.6

8.40404+01 9.82022-03 7.00353-01 4.53408+03 9.80382-06 6.80727-08 5.47827-02 7.72000+00 7.03384-06 7.47133-02

1	471.88	6.4400+00	1.0927+00	3.4260-03	1.0927+00	3.4260-03	2.3955-03	5.4432-02	6.9807+04	8.7021-04	4.1100-01
2	529.39	3.5933+01	6.3264+00	2.0735-02	6.3264+00	2.0735-02	1.4499-02	3.2944-01	4.2249+05	5.2798-03	7.1100-01
3	491.64	2.3984+01	4.1228+00	1.3122-02	4.1228+00	1.3122-02	9.1750-03	2.0848-01	2.6736+05	3.3357-03	1.3070+00
4	488.60	3.0818+01	5.2871+00	1.6788-02	5.2871+00	1.6788-02	1.1739-02	2.6673-01	3.4206+05	4.2672-03	1.6410+00
5	465.95	2.1246+01	3.7587+00	1.1732-02	3.7587+00	1.1732-02	8.2033-03	1.8640-01	2.3905+05	2.9792-03	1.7720+00
6	423.96	2.1683+00	3.5080-01	1.0615-03	3.5080-01	1.0615-03	7.4224-04	1.6865-02	2.1629+04	2.6909-04	2.4660+00
7	423.50	1.4083+00	2.2709-01	6.8696-04	2.2709-01	6.8696-04	4.8034-04	1.0914-02	1.3997+04	1.7414-04	3.0090+00
8	426.44	1.3392+00	2.1447-01	6.5017-04	2.1447-01	6.5017-04	4.5461-04	1.0330-02	1.3247+04	1.6483-04	3.3930+00
9	431.08	1.2831+00	2.0616-01	6.2708-04	2.0616-01	6.2708-04	4.3847-04	9.9630-03	1.2777+04	1.5901-04	3.7770+00
10	447.84	1.9777+00	3.2244-01	9.9293-04	3.2244-01	9.9293-04	6.9428-04	1.5776-02	2.0231+04	2.5195-04	5.3230+00
14	495.31	2.2462+01	3.8705+00	1.2353-02	3.8705+00	1.2353-02	8.6376-03	1.9627-01	2.5170+05	3.1408-03	1.0880+00
15	539.94	5.1125+01	9.0596+00	2.9944-02	9.0596+00	2.9944-02	2.0937-02	4.7574-01	6.1011+05	7.6280-03	1.3070+00
16	532.65	5.3014+01	9.3524+00	3.0733-02	9.3524+00	3.0733-02	2.1489-02	4.8828-01	6.2619+05	7.8266-03	1.6410+00
19	472.85	5.3143+00	8.2052-01	2.5744-03	8.2052-01	2.5744-03	1.8001-03	4.0902-02	5.2455+04	6.5393-04	4.1100-01
20	491.43	1.7532+01	2.8723+00	9.1404-03	2.8723+00	9.1404-03	6.3911-03	1.4522-01	1.8624+05	2.3236-03	7.1100-01
21	507.47	2.8013+01	4.7082+00	1.5169-02	4.7082+00	1.5169-02	1.0606-02	2.4100-01	3.0907+05	3.8587-03	1.0880+00
22	550.61	5.6870+01	9.8761+00	3.2923-02	9.8761+00	3.2923-02	2.3020-02	5.2307-01	6.7082+05	8.3909-03	1.3070+00
23	524.85	5.1299+01	8.6377+00	2.8210-02	8.6377+00	2.8210-02	1.9725-02	4.4819-01	5.7479+05	7.1816-03	1.6410+00
24	428.72	1.5351+00	2.4623-01	7.4769-04	2.4623-01	7.4769-04	5.2280-04	1.1879-02	1.5234+04	1.8957-04	3.0090+00
25	432.98	1.4987+00	2.3532-01	7.1680-04	2.3532-01	7.1680-04	5.0120-04	1.1388-02	1.4605+04	1.8177-04	3.3930+00
26	437.64	1.8504+00	2.9329-01	8.9641-04	2.9329-01	8.9641-04	6.2679-04	1.4242-02	1.8265+04	2.2736-04	3.7770+00
27	540.67	3.7751+01	6.3795+00	2.1098-02	6.3795+00	2.1098-02	1.4752-02	3.3520-01	4.2988+05	5.3748-03	7.1100-01
28	543.53	4.7876+01	8.2291+00	2.7277-02	8.2291+00	2.7277-02	1.9072-02	4.3337-01	5.5578+05	6.9498-03	1.0880+00
29	553.71	5.3636+01	9.4160+00	3.1468-02	9.4160+00	3.1468-02	2.2003-02	4.9995-01	6.4117+05	8.0212-03	1.3070+00
30	525.19	4.8190+01	8.3385+00	2.7240-02	8.3385+00	2.7240-02	1.9047-02	4.3279-01	5.5503+05	6.9348-03	1.6410+00
31	471.80	2.4677+01	4.1871+00	1.3127-02	4.1871+00	1.3127-02	9.1785-03	2.0856-01	2.6746+05	3.3342-03	1.7720+00
32	427.25	1.5262+00	2.4750-01	7.5073-04	2.4750-01	7.5073-04	5.2492-04	1.1927-02	1.5296+04	1.9033-04	2.4660+00
33	428.64	1.0956+00	1.7836-01	5.4157-04	1.7836-01	5.4157-04	3.7868-04	8.6044-03	1.1035+04	1.3731-04	3.0090+00
34	433.07	1.0831+00	1.7427-01	5.3085-04	1.7427-01	5.3085-04	3.7118-04	8.4340-03	1.0816+04	1.3462-04	3.3930+00
35	437.84	1.2182+00	1.8838-01	5.7587-04	1.8838-01	5.7587-04	4.0266-04	9.1493-03	1.1734+04	1.4606-04	3.7770+00
36	567.82	5.5143+01	9.6459+00	3.2608-02	9.6459+00	3.2608-02	2.2800-02	5.1806-01	6.6439+05	8.3170-03	1.3070+00
37	433.43	3.7875+00	6.2419-01	1.9019-03	6.2419-01	1.9019-03	1.3298-03	3.0217-02	3.8752+04	4.8230-04	2.4660+00
38	431.87	2.2488+00	3.6152-01	1.1003-03	3.6152-01	1.1003-03	7.6934-04	1.7481-02	2.2419+04	2.7901-04	3.0090+00
39	434.44	1.3361+00	2.1388-01	6.5219-04	2.1388-01	6.5219-04	4.5602-04	1.0362-02	1.3289+04	1.6539-04	3.3930+00
40	438.50	1.0400+00	1.6544-01	5.0598-04	1.6544-01	5.0598-04	3.5379-04	8.0389-03	1.0310+04	1.2834-04	3.7770+00
41	444.06	1.0099+00	1.5783-01	4.8467-04	1.5783-01	4.8467-04	3.3889-04	7.7004-03	9.8754+03	1.2296-04	4.1620+00
43	450.21	1.9319+00	3.1927-01	9.8492-04	3.1927-01	9.8492-04	6.8867-04	1.5648-02	2.0068+04	2.4994-04	5.3230+00
47	477.28	5.1091+00	8.3696-01	2.6348-03	8.3696-01	2.6348-03	1.8423-03	4.1861-02	5.3685+04	6.6839-04	7.1100-01
48	489.13	1.3614+01	2.2885+00	7.2697-03	2.2885+00	7.2697-03	5.0831-03	1.1550-01	1.4812+05	1.8478-03	1.0880+00
49	519.07	3.2714+01	5.6391+00	1.8333-02	5.6391+00	1.8333-02	1.2819-02	2.9128-01	3.7355+05	4.6661-03	1.3070+00
50	536.63	4.4631+01	7.8237+00	2.5791-02	7.8237+00	2.5791-02	1.8033-02	4.0976-01	5.2549+05	6.5691-03	1.6410+00
51	484.16	2.1533+01	3.6835+00	1.1657-02	3.6835+00	1.1657-02	8.1505-03	1.8520-01	2.3751+05	2.9623-03	1.7720+00
52	435.30	2.6753+00	4.4277-01	1.3510-03	4.4277-01	1.3510-03	9.4462-04	2.1464-02	2.7526+04	3.4262-04	2.4660+00
53	430.97	2.0379+00	3.2740-01	9.9581-04	3.2740-01	9.9581-04	6.9629-04	1.5821-02	2.0290+04	2.5250-04	3.0090+00
54	436.17	1.6353+00	2.6052-01	7.9539-04	2.6052-01	7.9539-04	5.5615-04	1.2637-02	1.6206+04	2.0173-04	3.3930+00
55	438.75	1.5184+00	2.3791-01	7.2775-04	2.3791-01	7.2775-04	5.0886-04	1.1562-02	1.4828+04	1.8459-04	3.7770+00
56	466.62	6.0000-01	9.3146-02	2.9088-04	9.3146-02	2.9088-04	2.0339-04	4.6215-03	5.9268+03	7.3867-05	4.1100-01
57	472.28	3.1896+00	5.1762-01	1.6234-03	5.1762-01	1.6234-03	1.1351-03	2.5792-02	3.3076+04	4.1234-04	7.1100-01
58	472.13	4.6244+00	7.6874-01	2.4107-03	7.6874-01	2.4107-03	1.6856-03	3.8300-02	4.9118+04	6.1231-04	1.0880+00
59	474.13	6.0218+00	1.0054+00	3.1574-03	1.0054+00	3.1574-03	2.2077-03	5.0165-02	6.4334+04	8.0206-04	1.3070+00
60	505.70	2.6983+01	4.6120+00	1.4839-02	4.6120+00	1.4839-02	1.0375-02	2.3575-01	3.0234+05	3.7745-03	1.6410+00
61	435.38	1.7964+00	2.8862-01	8.8069-04	2.8862-01	8.8069-04	6.1579-04	1.3992-02	1.7944+04	2.2335-04	3.0090+00
62	438.19	1.9553+00	3.1193-01	9.5379-04	3.1193-01	9.5379-04	6.6690-04	1.5154-02	1.9434+04	2.4192-04	3.3930+00
63	440.81	2.3034+00	3.6141-01	1.1072-03	3.6141-01	1.1072-03	7.7418-04	1.7591-02	2.2560+04	2.8086-04	3.7770+00
64	466.51	2.5725+00	4.3494-01	1.3581-03	4.3494-01	1.3581-03	9.4964-04	2.1578-02	2.7673+04	3.4489-04	1.0880+00
65	466.50	2.9236+00	4.9430-01	1.5435-03	4.9430-01	1.5435-03	1.0792-03	2.4523-02	3.1450+04	3.9196-04	1.3070+00
66	466.72	5.7003+00	9.6390-01	3.0104-03	9.6390-01	3.0104-03	2.1049-03	4.7828-02	6.1337+04	7.6446-04	1.6410+00
69	465.43	9.0701-01	1.5324-01	4.7812-04	1.5324-01	4.7812-04	3.3431-04	7.5963-03	9.7419+03	1.2141-04	4.1100-01
70	462.52	9.5480-01	1.6100-01	5.0124-04	1.6100-01	5.0124-04	3.5047-04	7.9636-03	1.0213+04	1.2726-04	7.1100-01
71	457.22	1.7839+00	2.9885-01	9.2672-04	2.9885-01	9.2672-04	6.4798-04	1.4724-02	1.8882+04	2.3524-04	1.3070+00
72	455.68	3.2161+00	5.3979-01	1.6720-03	5.3979-01	1.6720-03	1.1691-03	2.6564-02	3.4067+04	4.2439-04	1.6410+00
73	455.22	1.2358+00	1.9948-01	6.1766-04	1.9948-01	6.1766-04	4.3188-04	9.8132-03	1.2585+04	1.5677-04	3.7770+00
74	456.34	6.1662-01	1.0112-01	3.1336-04	1.0112-01	3.1336-04	2.1911-04	4.9786-03	6.3849+03	7.9542-05	5.3230+00
77	426.05	1.9174+00	3.1251-01	9.4711-04	3.1251-01	9.4711-04	6.6223-04	1.5047-02	1.9298+04	2.4010-04	3.0090+00
78	429.68	1.7579+00	2.8386-01	8.6256-04	2.8386-01	8.6256-04	6.0312-04	1.3704-02	1.7575+04	2.1870-04	3.3930+00
79	433.92	1.8842+00	2.9969-01	9.1347-04	2.9969-01	9.1347-04	6.3871-04	1.4513-02	1.8612+04	2.3165-04	3.7770+00
80	425.58	2.1636+00	3.5668-01	1.0806-03	3.5668-01	1.0806-03	7.5559-04	1.7169-02	2.2018+04	2.7395-04	2.4660+00
81	423.72	1.4805+00	2.4090-01	7.2887-04	2.4090-01	7.2887-04	5.0963-04	1.1580-02	1.4851+04	1.8476-04	3.0090+00
82	426.99	1.2930+00	2.0901-01	6.3387-04	2.0901-01	6.3387-04	4.4321-04	1.0071-02	1.2915+04	1.6070-04	3.3930+00
83	431.51	1.4738+00	2.3686-01	7.2071-04	2.3686-01	7.2071-04	5.0393-04	1.1450-02	1.4685+04	1.8275-04	3.7770+00
337	493.91	2.0695+01	3.9065+00	1.2455-02	3.9065+00	1.2455-02	8.7086-03	1.9788-01	2.5377+05	3.1665-03	7.1680+00
339	492.64	5.7423+00	1.1062+00	3.5233-03	1.1062+00	3.5233-03	2.4636-03	5.5978-02	7.1789+04	8.9571-04	8.1130+00
340	483.08	1.2249+00	2.2960-01	7.2598-04	2.2960-01	7.2598-04	5.0761-04	1.1534-02	1.4792+04	1.8448-04	8.6180+00
342	497.90	1.8644+01	3.6413+00	1.1645-02	3.6413+00	1.1645-02	8.1425-03	1.8502-01	2.3728+05	2.9611-03	7.1680+00
344	491.38	6.2997+00	1.2189+00	3.8786-03	1.2189+00	3.8786-03	2.7120-03	6.1622-02	7.9027+04	9.8597-04	8.1130+00
347	491.90	1.6670+01	3.1425+00	1.0004-02	3.1425+00	1.0004-02	6.9948-03	1.5894-01	2.0383+05	2.5431-03	7.1680+00
349	494.00	6.6119+00	1.2781+00	4.0753-03	1.2781+00	4.0753-03	2.8495-03	6.4747-02	8.3036+04	1.0361-03	8.1130+00
350	478.98	1.2338+00	2.1771-01	6.8627-04	2.1771-01	6.8627-04	4.7985-04	1.0903-02	1.3983+04	1.7436-04	8.6180+00
352	493.68	1.6214+01	2.9867+00	9.5208-03	2.9867+00	9.5208-03	6.6571-03	1.5126-01	1.9399+05	2.4205-03	7.1680+00
354	501.36	7.5060+00	1.4540+00	4.6625-03	1.4540+00	4.6625-03	3.2601-03	7.4077-02	9.5001+04	1.1858-03	8.1130+00
357	488.14	1.8436+00	3.3746-01	1.0712-03	3.3746-01	1.0712-03	7.4899-04	1.7019-02	2.1826+04	2.7227-04	7.1680+00
359	523.36	2.2758+00	4.1787-01	1.3631-03	4.1787-01	1.3631-03	9.5311-04	2.1657-02	2.7774+04	3.4699-04	8.1130+00
401	487.27	1.1652+01	9.8700-01	3.1309-03	9.8700-01	3.1309-03	2.1891-03	4.9743-02	6.3793+04	7.9576-04	4.5500-01
403	531.42	2.8905+01	2.4881+00	8.1682-03	2.4881+00	8.1682-03	5.7114-03	1.2978-01	1.6643+05	2.0800-03	6.8600-01
404	383.48	-1.2108+02	-2.7941+00	-5.3746-03	-2.7941+00	-5.3746-03	-3.7580-03	-8.5391-02	-1.0951+05	-1.3235-03	8.0100-01
405	587.53	5.4154+01	4.8199+00	1.6561-02	4.8199+00	1.6561-02	1.1579-02	2.6311-01	3.3743+05	4.2277-03	1.0510+00
406	596.58	6.4528+01	5.8076+00	2.0105-02	5.8076+00	2.0105-02	1.4058-02	3.1943-01	4.0965+05	5.1348-03	1.1670+00
407	623.54	7.5062+01	6.9807+00	2.4726-02	6.9807+00	2.4726-02	1.7289-02	3.9284-01	5.0379+05	6.3227-03	1.2830+00
408	495.74	1.6259+01	1.3520+00	4.3167-03	1.3520+00	4.3167-03	3.0183-03	6.8582-02	8.7954+04	1.0975-03	5.1300-01
409	467.54	4.7195+00	3.9224-01	1.2258-03	3.9224-01	1.2258-03	8.5707-04	1.9475-02	2.4975+04	3.1129-04	5.7000-01
410	497.07	1.9071+01	1.5584+00	4.9805-03	1.5584+00	4.9805-03	3.4824-03	7.9129-02	1.0148+05	1.2664-03	6.2800-01
411	470.91	6.0618+00	5.0494-01	1.5819-03	5.0494-01	1.5819-03	1.1061-03	2.5134-02	3.2233+04	4.0180-04	6.8600-01
412	524.06	2.6997+01	2.3133+00	7.5504-03	2.3133+00	7.5504-03	5.2794-03	1.1996-01	1.5384+05	1.9221-03	7.4400-01
413	474.98	8.6010+00	7.2267-01	2.2711-03	7.2267-01	2.2711-03	1.5880-03	3.6062-02	4.6274+04	5.7692-04	8.0100-01
414	543.71	4.2632+01	3.6975+00	1.2258-02	3.6975+00	1.2258-02	8.5709-03	1.9475-01	2.4976+05	3.1232-03	8.5900-01
415	480.27	1.2064+01	1.0112+00	3.1904-03	1.0112+00	3.1904-03	2.2308-03	5.0689-02	6.5006+04	8.1065-04	9.1700-01
416	497.48	1.7021+01	1.3397+00	4.2829-03	1.3397+00	4.2829-03	2.9947-03	6.8046-02	8.7266+04	1.0890-03	5.7000-01
417	576.95	5.7763+01	5.1098+00	1.7403-02	5.1098+00	1.7403-02	1.2169-02	2.7650-01	3.5460+05	4.4408-03	1.0520+00

17 1 1.93 -10.07 .00 -.00 402 1 1.85 10.09 459.4 1729.3

8.41305+01 9.81870-03 7.00244-01 4.53651+03 9.79179-06 6.81457-08 5.46862-02 7.72000+00 7.04240-06 7.47025-02

1	457.38	1.9184+01	3.2237+00	9.9756-03	3.2237+00	9.9756-03	6.9799-03	1.5871-01	2.0301+05	2.5345-03	4.1100-01
2	456.29	3.1312+01	5.2576+00	1.6256-02	5.2576+00	1.6256-02	1.1374-02	2.5863-01	3.3082+05	4.1300-03	7.1100-01
3	448.14	3.3714+01	5.6295+00	1.7301-02	5.6295+00	1.7301-02	1.2106-02	2.7525-01	3.5209+05	4.3940-03	1.3070+00
4	445.66	5.1979+01	8.6645+00	2.6581-02	8.6645+00	2.6581-02	1.8598-02	4.2288-01	5.4093+05	6.7499-03	1.6410+00
5	430.45	3.5891+01	6.1967+00	1.8799-02	6.1967+00	1.8799-02	1.3154-02	2.9909-01	3.8258+05	4.7709-03	1.7720+00
6	436.53	2.4826+00	4.0521-01	1.2348-03	4.0521-01	1.2348-03	8.6397-04	1.9645-02	2.5128+04	3.1344-04	2.4660+00
7	461.61	1.5371+00	2.5449-01	7.9000-04	2.5449-01	7.9000-04	5.5276-04	1.2568-02	1.6077+04	2.0075-04	3.0090+00
8	457.11	2.0187+00	3.3023-01	1.0217-03	3.3023-01	1.0217-03	7.1486-04	1.6254-02	2.0792+04	2.5957-04	3.3930+00
9	451.91	2.0686+00	3.3719-01	1.0392-03	3.3719-01	1.0392-03	7.2712-04	1.6533-02	2.1148+04	2.6396-04	3.7770+00
10	449.99	3.3169+00	5.4158-01	1.6667-03	5.4158-01	1.6667-03	1.1662-03	2.6517-02	3.3919+04	4.2333-04	5.3230+00
14	441.92	2.3948+01	3.9817+00	1.2181-02	3.9817+00	1.2181-02	8.5233-03	1.9360-01	2.4790+05	3.0929-03	1.0880+00
15	446.70	4.7529+01	7.9285+00	2.4341-02	7.9285+00	2.4341-02	1.7032-02	3.8726-01	4.9536+05	6.1816-03	1.3070+00
16	440.96	3.8961+01	6.4735+00	1.9790-02	6.4735+00	1.9790-02	1.3847-02	3.1485-01	4.0275+05	5.0246-03	1.6410+00
19	460.90	1.0363+01	1.5873+00	4.9248-03	1.5873+00	4.9248-03	3.4459-03	7.8350-02	1.0022+05	1.2514-03	4.1100-01
20	451.05	7.5688+00	1.2071+00	3.7179-03	1.2071+00	3.7179-03	2.6014-03	5.9150-02	7.5661+04	9.4434-04	7.1100-01
21	434.56	1.9392+01	3.1045+00	9.4465-03	3.1045+00	9.4465-03	6.6097-03	1.5029-01	1.9224+05	2.3977-03	1.0880+00
22	437.83	3.6767+01	5.9352+00	1.8103-02	5.9352+00	1.8103-02	1.2667-02	2.8802-01	3.6842+05	4.5957-03	1.3070+00
23	446.10	3.7318+01	5.9679+00	1.8314-02	5.9679+00	1.8314-02	1.2814-02	2.9137-01	3.7270+05	4.6508-03	1.6410+00
24	438.56	1.8265+00	2.9500-01	9.0028-04	2.9500-01	9.0028-04	6.2992-04	1.4323-02	1.8321+04	2.2855-04	3.0090+00
25	434.57	1.3777+00	2.1656-01	6.5897-04	2.1656-01	6.5897-04	4.6108-04	1.0484-02	1.3410+04	1.6726-04	3.3930+00
26	439.38	1.4374+00	2.2810-01	6.9654-04	2.2810-01	6.9654-04	4.8737-04	1.1082-02	1.4175+04	1.7683-04	3.7770+00
27	450.20	5.4078+00	8.6195-01	2.6531-03	8.6195-01	2.6531-03	1.8564-03	4.2210-02	5.3993+04	6.7387-04	7.1100-01
28	430.97	1.1363+01	1.8145+00	5.5069-03	1.8145+00	5.5069-03	3.8532-03	8.7611-02	1.1207+05	1.3976-03	1.0880+00
29	438.65	2.9721+01	4.8438+00	1.4783-02	4.8438+00	1.4783-02	1.0344-02	2.3519-01	3.0085+05	3.7530-03	1.3070+00
30	450.38	3.8554+01	6.3533+00	1.9558-02	6.3533+00	1.9558-02	1.3685-02	3.1116-01	3.9802+05	4.9676-03	1.6410+00
31	454.35	2.2420+01	3.7595+00	1.1608-02	3.7595+00	1.1608-02	8.1218-03	1.8467-01	2.3622+05	2.9487-03	1.7720+00
32	451.07	3.2379+00	5.3383-01	1.6442-03	5.3383-01	1.6442-03	1.1504-03	2.6158-02	3.3461+04	4.1763-04	2.4660+00
33	430.12	2.7538+00	4.4878-01	1.3612-03	4.4878-01	1.3612-03	9.5241-04	2.1655-02	2.7701+04	3.4543-04	3.0090+00
34	431.31	1.8670+00	3.0002-01	9.1075-04	3.0002-01	9.1075-04	6.3725-04	1.4490-02	1.8534+04	2.3114-04	3.3930+00
35	439.63	1.2925+00	2.0012-01	6.1121-04	2.0012-01	6.1121-04	4.2766-04	9.7239-03	1.2438+04	1.5517-04	3.7770+00
36	440.03	2.8298+01	4.5614+00	1.3936-02	4.5614+00	1.3936-02	9.7507-03	2.2171-01	2.8360+05	3.5380-03	1.3070+00
37	444.98	2.9849+00	4.9588-01	1.5205-03	4.9588-01	1.5205-03	1.0639-03	2.4190-02	3.0943+04	3.8610-04	2.4660+00
38	430.92	2.8286+00	4.5441-01	1.3791-03	4.5441-01	1.3791-03	9.6493-04	2.1940-02	2.8065+04	3.4998-04	3.0090+00
39	434.96	2.5564+00	4.0937-01	1.2460-03	4.0937-01	1.2460-03	8.7185-04	1.9824-02	2.5358+04	3.1628-04	3.3930+00
40	443.68	1.5210+00	2.4284-01	7.4387-04	2.4284-01	7.4387-04	5.2049-04	1.1835-02	1.5138+04	1.8889-04	3.7770+00
41	451.98	6.0000-01	9.4283-02	2.9059-04	9.4283-02	2.9059-04	2.0332-04	4.6231-03	5.9136+03	7.3812-05	4.1620+00
43	461.09	1.1829+00	1.9693-01	6.1108-04	1.9693-01	6.1108-04	4.2757-04	9.7220-03	1.2436+04	1.5528-04	5.3230+00
47	455.33	1.1042+01	1.7824+00	5.5070-03	1.7824+00	5.5070-03	3.8533-03	8.7614-02	1.1207+05	1.3990-03	7.1100-01
48	439.46	1.8503+01	3.0083+00	9.1866-03	3.0083+00	9.1866-03	6.4278-03	1.4615-01	1.8695+05	2.3322-03	1.0880+00
49	434.09	2.4244+01	3.9503+00	1.2016-02	3.9503+00	1.2016-02	8.4077-03	1.9117-01	2.4454+05	3.0499-03	1.3070+00
50	447.93	3.1925+01	5.2833+00	1.6235-02	5.2833+00	1.6235-02	1.1360-02	2.5829-01	3.3039+05	4.1232-03	1.6410+00
51	454.07	2.0598+01	3.4534+00	1.0660-02	3.4534+00	1.0660-02	7.4589-03	1.6960-01	2.1694+05	2.7080-03	1.7720+00
52	444.15	2.0681+00	3.4437-01	1.0553-03	3.4437-01	1.0553-03	7.3837-04	1.6789-02	2.1475+04	2.6796-04	2.4660+00
53	436.08	2.0260+00	3.2665-01	9.9506-04	3.2665-01	9.9506-04	6.9624-04	1.5831-02	2.0250+04	2.5259-04	3.0090+00
54	442.89	1.8603+00	2.9774-01	9.1152-04	2.9774-01	9.1152-04	6.3779-04	1.4502-02	1.8550+04	2.3145-04	3.3930+00
55	448.62	1.8374+00	2.8986-01	8.9115-04	2.8986-01	8.9115-04	6.2354-04	1.4178-02	1.8135+04	2.2633-04	3.7770+00
56	466.05	4.2499+00	6.5951-01	2.0541-03	6.5951-01	2.0541-03	1.4372-03	3.2679-02	4.1802+04	5.2207-04	4.1100-01
57	462.41	1.9902+01	3.2084+00	9.9656-03	3.2084+00	9.9656-03	6.9729-03	1.5855-01	2.0281+05	2.5325-03	7.1100-01
58	443.45	1.8948+01	3.0892+00	9.4613-03	3.0892+00	9.4613-03	6.6201-03	1.5052-01	1.9254+05	2.4024-03	1.0880+00
59	438.73	2.0611+01	3.3594+00	1.0253-02	3.3594+00	1.0253-02	7.1742-03	1.6312-01	2.0866+05	2.6030-03	1.3070+00
60	446.48	1.8535+01	3.0461+00	9.3504-03	3.0461+00	9.3504-03	6.5425-03	1.4876-01	1.9029+05	2.3745-03	1.6410+00
61	448.94	1.0223+00	1.6581-01	5.0988-04	1.6581-01	5.0988-04	3.5677-04	8.1120-03	1.0376+04	1.2950-04	3.0090+00
62	452.66	1.1382+00	1.8339-01	5.6552-04	1.8339-01	5.6552-04	3.9570-04	8.9971-03	1.1509+04	1.4365-04	3.3930+00
63	456.38	1.3979+00	2.2170-01	6.8553-04	2.2170-01	6.8553-04	4.7967-04	1.0906-02	1.3951+04	1.7417-04	3.7770+00
64	456.60	1.4681+01	2.4656+00	7.6254-03	2.4656+00	7.6254-03	5.3355-03	1.2132-01	1.5518+05	1.9373-03	1.0880+00
65	449.41	1.2659+01	2.1156+00	6.5080-03	2.1156+00	6.5080-03	4.5536-03	1.0354-01	1.3244+05	1.6529-03	1.3070+00
66	450.54	1.4346+01	2.3994+00	7.3874-03	2.3994+00	7.3874-03	5.1689-03	1.1753-01	1.5034+05	1.8763-03	1.6410+00
69	476.62	5.1855+00	8.8264-01	2.7710-03	8.8264-01	2.7710-03	1.9388-03	4.4085-02	5.6391+04	7.0460-04	4.1100-01
70	479.71	1.1636+00	1.9847-01	6.2454-04	1.9847-01	6.2454-04	4.3699-04	9.9361-03	1.2710+04	1.5883-04	7.1100-01
71	480.61	3.4426+00	5.8581-01	1.8447-03	5.8581-01	1.8447-03	1.2907-03	2.9347-02	3.7540+04	4.6914-04	1.3070+00
72	480.68	4.1797+00	7.1337-01	2.2465-03	7.1337-01	2.2465-03	1.5718-03	3.5740-02	4.5717+04	5.7132-04	1.6410+00
73	486.80	2.2873+00	3.7705-01	1.1929-03	3.7705-01	1.1929-03	8.3466-04	1.8978-02	2.4276+04	3.0346-04	3.7770+00
74	485.06	1.6431+00	2.7466-01	8.6781-04	2.7466-01	8.6781-04	6.0721-04	1.3806-02	1.7660+04	2.2075-04	5.3230+00
77	455.48	1.5132+00	2.5172-01	7.7785-04	2.5172-01	7.7785-04	5.4426-04	1.2375-02	1.5830+04	1.9761-04	3.0090+00
78	450.65	1.6338+00	2.6768-01	8.2420-04	2.6768-01	8.2420-04	5.7669-04	1.3113-02	1.6773+04	2.0934-04	3.3930+00
79	446.69	2.1023+00	3.3736-01	1.0357-03	3.3736-01	1.0357-03	7.2470-04	1.6478-02	2.1078+04	2.6303-04	3.7770+00
80	450.26	2.1855+00	3.6652-01	1.1282-03	3.6652-01	1.1282-03	7.8942-04	1.7949-02	2.2960+04	2.8656-04	2.4660+00
81	458.97	1.5403+00	2.5682-01	7.9568-04	2.5682-01	7.9568-04	5.5673-04	1.2659-02	1.6193+04	2.0217-04	3.0090+00
82	455.14	1.7169+00	2.8300-01	8.7429-04	2.8300-01	8.7429-04	6.1174-04	1.3909-02	1.7792+04	2.2211-04	3.3930+00
83	451.33	2.1065+00	3.4323-01	1.0574-03	3.4323-01	1.0574-03	7.3983-04	1.6822-02	2.1518+04	2.6857-04	3.7770+00
337	481.84	1.8511+01	3.4668+00	1.0927-02	3.4668+00	1.0927-02	7.6455-03	1.7384-01	2.2237+05	2.7791-03	7.1680+00
339	467.16	9.9922+00	1.8928+00	5.9001-03	1.8928+00	5.9001-03	4.1283-03	9.3867-02	1.2007+05	1.4996-03	8.1130+00
340	455.61	3.1377+00	5.7741-01	1.7844-03	5.7741-01	1.7844-03	1.2486-03	2.8389-02	3.6314+04	4.5333-04	8.6180+00
342	483.25	1.5010+01	2.9037+00	9.1619-03	2.9037+00	9.1619-03	6.4106-03	1.4576-01	1.8645+05	2.3303-03	7.1680+00
344	469.57	7.7132+00	1.4711+00	4.5938-03	1.4711+00	4.5938-03	3.2143-03	7.3085-02	9.3487+04	1.1678-03	8.1130+00
347	479.40	7.7953+00	1.4576+00	4.5856-03	1.4576+00	4.5856-03	3.2085-03	7.2954-02	9.3319+04	1.1662-03	7.1680+00
349	469.84	5.7449+00	1.0930+00	3.4140-03	1.0930+00	3.4140-03	2.3888-03	5.4315-02	6.9477+04	8.6785-04	8.1130+00
350	461.64	1.2556+00	2.1902-01	6.7989-04	2.1902-01	6.7989-04	4.7572-04	1.0817-02	1.3836+04	1.7277-04	8.6180+00
352	493.16	2.9449+00	5.4229-01	1.7240-03	5.4229-01	1.7240-03	1.2063-03	2.7428-02	3.5085+04	4.3869-04	7.1680+00
354	493.12	4.3371+00	8.3573-01	2.6568-03	8.3573-01	2.6568-03	1.8590-03	4.2268-02	5.4068+04	6.7605-04	8.1130+00
357	499.89	5.1003+00	9.4069-01	3.0061-03	9.4069-01	3.0061-03	2.1034-03	4.7825-02	6.1176+04	7.6516-04	7.1680+00
359	505.93	3.2618+00	5.9235-01	1.9018-03	5.9235-01	1.9018-03	1.3307-03	3.0256-02	3.8702+04	4.8419-04	8.1130+00
401	472.45	2.0524+01	1.7215+00	5.3876-03	1.7215+00	5.3876-03	3.7697-03	8.5714-02	1.0964+05	1.3697-03	4.5500-01
403	462.24	8.0613+00	6.6362-01	2.0610-03	6.6362-01	2.0610-03	1.4421-03	3.2789-02	4.1943+04	5.2374-04	6.8600-01
404	400.40	-2.9121+01	-6.2978-01	-1.2008-03	-6.2978-01	-1.2008-03	-8.4020-04	-1.9104-02	-2.4437+04	-2.9571-04	8.0100-01
405	469.43	2.9751+01	2.4610+00	7.6845-03	2.4610+00	7.6845-03	5.3768-03	1.2226-01	1.5638+05	1.9534-03	1.0510+00
406	474.33	5.1246+01	4.2784+00	1.3408-02	4.2784+00	1.3408-02	9.3819-03	2.1332-01	2.7287+05	3.4091-03	1.1670+00
407	478.54	6.1123+01	5.2086+00	1.6376-02	5.2086+00	1.6376-02	1.1458-02	2.6053-01	3.3326+05	4.1643-03	1.2830+00
408	467.57	1.2576+01	1.0265+00	3.2008-03	1.0265+00	3.2008-03	2.2396-03	5.0923-02	6.5138+04	8.1357-04	5.1300-01
409	457.24	4.3143+00	3.5608-01	1.1018-03	3.5608-01	1.1018-03	7.7091-04	1.7529-02	2.2422+04	2.7992-04	5.7000-01
410	465.39	1.2061+01	9.6519-01	3.0046-03	9.6519-01	3.0046-03	2.1023-03	4.7802-02	6.1146+04	7.6365-04	6.2800-01
411	457.73	5.0197+00	4.1445-01	1.2828-03	4.1445-01	1.2828-03	8.9759-04	2.0409-02	2.6106+04	3.2593-04	6.8600-01
412	474.50	1.2923+01	1.0726+00	3.3620-03	1.0726+00	3.3620-03	2.3524-03	5.3488-02	6.8419+04	8.5481-04	7.4400-01
413	457.17	4.9745+00	4.1300-01	1.2778-03	4.1300-01	1.2778-03	8.9409-04	2.0329-02	2.6005+04	3.2465-04	8.0100-01
414	465.96	2.1374+01	1.7639+00	5.4935-03	1.7639+00	5.4935-03	3.8438-03	8.7398-02	1.1180+05	1.3962-03	8.5900-01
415	453.34	4.9262+00	4.0551-01	1.2511-03	4.0551-01	1.2511-03	8.7538-04	1.9904-02	2.5460+04	3.1781-04	9.1700-01
416	469.54	1.4453+01	1.1169+00	3.4878-03	1.1169+00	3.4878-03	2.4404-03	5.5488-02	7.0978+04	8.8659-04	5.7000-01
417	475.46	4.3784+01	3.6364+00	1.1406-02	3.6364+00	1.1406-02	7.9809-03	1.8147-01	2.3212+05	2.9002-03	1.0520+00

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8.41396+01 9.81855-03 7.00233-01 4.53675+03 9.79059-06 6.81530-08 5.46766-02 7.72000+00 7.04326-06 7.47014-02

1	462.82	2.1460+01	3.6193+00	1.1245-02	3.6193+00	1.1245-02	7.8688-03	1.7891-01	2.2882+05	2.8573-03	4.1100-01
2	463.87	2.9921+01	5.0499+00	1.5702-02	5.0499+00	1.5702-02	1.0988-02	2.4982-01	3.1952+05	3.9901-03	7.1100-01
3	456.67	3.4149+01	5.7355+00	1.7739-02	5.7355+00	1.7739-02	1.2413-02	2.8222-01	3.6095+05	4.5062-03	1.3070+00
4	458.88	5.2157+01	8.7731+00	2.7178-02	8.7731+00	2.7178-02	1.9018-02	4.3239-01	5.5303+05	6.9047-03	1.6410+00
5	439.94	3.6810+01	6.3977+00	1.9544-02	6.3977+00	1.9544-02	1.3676-02	3.1094-01	3.9769+05	4.9612-03	1.7720+00
6	437.15	2.5184+00	4.1124-01	1.2537-03	4.1124-01	1.2537-03	8.7729-04	1.9946-02	2.5511+04	3.1822-04	2.4660+00
7	461.98	1.5096+00	2.4999-01	7.7625-04	2.4999-01	7.7625-04	5.4318-04	1.2350-02	1.5795+04	1.9723-04	3.0090+00
8	457.59	1.9314+00	3.1605-01	9.7817-04	3.1605-01	9.7817-04	6.8447-04	1.5562-02	1.9904+04	2.4849-04	3.3930+00
9	452.36	2.0109+00	3.2789-01	1.0109-03	3.2789-01	1.0109-03	7.0735-04	1.6082-02	2.0569+04	2.5674-04	3.7770+00
10	450.81	3.0665+00	5.0098-01	1.5427-03	5.0098-01	1.5427-03	1.0795-03	2.4544-02	3.1391+04	3.9179-04	5.3230+00
14	447.47	2.2193+01	3.7041+00	1.1378-02	3.7041+00	1.1378-02	7.9619-03	1.8102-01	2.3153+05	2.8893-03	1.0880+00
15	458.82	4.7366+01	7.9669+00	2.4680-02	7.9669+00	2.4680-02	1.7270-02	3.9264-01	5.0219+05	6.2699-03	1.3070+00
16	450.64	3.8835+01	6.4957+00	2.0001-02	6.4957+00	2.0001-02	1.3995-02	3.1820-01	4.0698+05	5.0794-03	1.6410+00
19	463.61	1.0777+01	1.6537+00	5.1413-03	1.6537+00	5.1413-03	3.5976-03	8.1795-02	1.0462+05	1.3064-03	4.1100-01
20	452.87	7.6223+00	1.2172+00	3.7539-03	1.2172+00	3.7539-03	2.6268-03	5.9722-02	7.6385+04	9.5343-04	7.1100-01
21	438.65	1.6283+01	2.6143+00	7.9787-03	2.6143+00	7.9787-03	5.5830-03	1.2694-01	1.6235+05	2.0252-03	1.0880+00
22	447.15	3.6765+01	5.9733+00	1.8345-02	5.9733+00	1.8345-02	1.2837-02	2.9165-01	3.7328+05	4.6581-03	1.3070+00
23	455.61	3.8023+01	6.1203+00	1.8914-02	6.1203+00	1.8914-02	1.3235-02	3.0091-01	3.8487+05	4.8045-03	1.6410+00
24	439.00	1.8327+00	2.9610-01	9.0392-04	2.9610-01	9.0392-04	6.3251-04	1.4381-02	1.8393+04	2.2945-04	3.0090+00
25	434.91	1.3870+00	2.1808-01	6.6376-04	2.1808-01	6.6376-04	4.6446-04	1.0560-02	1.3506+04	1.6846-04	3.3930+00
26	439.71	1.3777+00	2.1867-01	6.6790-04	2.1867-01	6.6790-04	4.6736-04	1.0626-02	1.3591+04	1.6954-04	3.7770+00
27	451.22	4.3288+00	6.9046-01	2.1269-03	6.9046-01	2.1269-03	1.4883-03	3.3837-02	4.3278+04	5.4015-04	7.1100-01
28	433.35	1.0214+01	1.6338+00	4.9671-03	1.6338+00	4.9671-03	3.4757-03	7.9024-02	1.0107+05	1.2605-03	1.0880+00
29	446.05	2.9191+01	4.7819+00	1.4674-02	4.7819+00	1.4674-02	1.0268-02	2.3345-01	2.9859+05	3.7259-03	1.3070+00
30	460.23	3.9011+01	6.4719+00	2.0070-02	6.4719+00	2.0070-02	1.4044-02	3.1930-01	4.0838+05	5.0990-03	1.6410+00
31	460.16	2.3222+01	3.9094+00	1.2123-02	3.9094+00	1.2123-02	8.4828-03	1.9286-01	2.4667+05	3.0799-03	1.7720+00
32	451.81	3.0566+00	5.0419-01	1.5538-03	5.0419-01	1.5538-03	1.0872-03	2.4720-02	3.1616+04	3.9462-04	2.4660+00
33	430.79	2.7995+00	4.5645-01	1.3851-03	4.5645-01	1.3851-03	9.6923-04	2.2036-02	2.8184+04	3.5147-04	3.0090+00
34	431.78	1.8909+00	3.0396-01	9.2303-04	3.0396-01	9.2303-04	6.4589-04	1.4685-02	1.8782+04	2.3423-04	3.3930+00
35	439.94	1.2286+00	1.9027-01	5.8125-04	1.9027-01	5.8125-04	4.0673-04	9.2473-03	1.1827+04	1.4755-04	3.7770+00
36	446.91	2.7504+01	4.4546+00	1.3678-02	4.4546+00	1.3678-02	9.5712-03	2.1761-01	2.7832+05	3.4732-03	1.3070+00
37	445.70	2.8888+00	4.8016-01	1.4730-03	4.8016-01	1.4730-03	1.0308-03	2.3435-02	2.9974+04	3.7402-04	2.4660+00
38	431.61	2.8078+00	4.5129-01	1.3703-03	4.5129-01	1.3703-03	9.5885-04	2.1800-02	2.7883+04	3.4772-04	3.0090+00
39	435.64	2.4239+00	3.8834-01	1.1826-03	3.8834-01	1.1826-03	8.2753-04	1.8815-02	2.4064+04	3.0015-04	3.3930+00
40	444.07	1.6057+00	2.5643-01	7.8573-04	2.5643-01	7.8573-04	5.4981-04	1.2500-02	1.5988+04	1.9949-04	3.7770+00
41	452.09	6.2442-01	9.8128-02	3.0246-04	9.8128-02	3.0246-04	2.1165-04	4.8120-03	6.1546+03	7.6819-05	4.1620+00
43	461.39	1.1844+00	1.9723-01	6.1215-04	1.9723-01	6.1215-04	4.2835-04	9.7389-03	1.2456+04	1.5553-04	5.3230+00
47	457.92	1.0496+01	1.6972+00	5.2541-03	1.6972+00	5.2541-03	3.6765-03	8.3589-02	1.0691+05	1.3347-03	7.1100-01
48	444.02	1.8270+01	2.9797+00	9.1299-03	2.9797+00	9.1299-03	6.3887-03	1.4525-01	1.8578+05	2.3180-03	1.0880+00
49	440.03	2.3750+01	3.8859+00	1.1872-02	3.8859+00	1.1872-02	8.3071-03	1.8887-01	2.4156+05	3.0136-03	1.3070+00
50	455.86	3.1775+01	5.2869+00	1.6342-02	5.2869+00	1.6342-02	1.1435-02	2.5999-01	3.3253+05	4.1511-03	1.6410+00
51	459.27	2.0838+01	3.5060+00	1.0864-02	3.5060+00	1.0864-02	7.6024-03	1.7285-01	2.2107+05	2.7602-03	1.7720+00
52	444.65	2.0795+00	3.4639-01	1.0619-03	3.4639-01	1.0619-03	7.4303-04	1.6894-02	2.1607+04	2.6960-04	2.4660+00
53	436.54	1.9465+00	3.1394-01	9.5665-04	3.1394-01	9.5665-04	6.6942-04	1.5220-02	1.9466+04	2.4281-04	3.0090+00
54	443.33	1.8473+00	2.9575-01	9.0572-04	2.9575-01	9.0572-04	6.3378-04	1.4410-02	1.8430+04	2.2995-04	3.3930+00
55	449.06	1.8047+00	2.8478-01	8.7583-04	2.8478-01	8.7583-04	6.1286-04	1.3934-02	1.7821+04	2.2241-04	3.7770+00
56	467.21	4.2405+00	6.5857-01	2.0529-03	6.5857-01	2.0529-03	1.4365-03	3.2661-02	4.1773+04	5.2173-04	4.1100-01
57	467.26	1.9359+01	3.1311+00	9.7609-03	3.1311+00	9.7609-03	6.8301-03	1.5529-01	1.9862+05	2.4806-03	7.1100-01
58	448.16	1.8663+01	3.0526+00	9.3817-03	3.0526+00	9.3817-03	6.5649-03	1.4926-01	1.9090+05	2.3824-03	1.0880+00
59	443.92	2.0366+01	3.3313+00	1.0206-02	3.3313+00	1.0206-02	7.1419-03	1.6238-01	2.0768+05	2.5913-03	1.3070+00
60	451.02	1.8365+01	3.0276+00	9.3249-03	3.0276+00	9.3249-03	6.5250-03	1.4835-01	1.8974+05	2.3682-03	1.6410+00
61	449.19	9.8286-01	1.5943-01	4.9037-04	1.5943-01	4.9037-04	3.4313-04	7.8015-03	9.9781+03	1.2453-04	3.0090+00
62	452.91	1.1070+00	1.7840-01	5.5024-04	1.7840-01	5.5024-04	3.8503-04	8.7540-03	1.1196+04	1.3975-04	3.3930+00
63	456.72	1.3138+00	2.0840-01	6.4458-04	2.0840-01	6.4458-04	4.5104-04	1.0255-02	1.3116+04	1.6374-04	3.7770+00
64	460.31	1.4778+01	2.4881+00	7.7161-03	2.4881+00	7.7161-03	5.3993-03	1.2276-01	1.5701+05	1.9604-03	1.0880+00
65	452.43	1.2335+01	2.0658+00	6.3690-03	2.0658+00	6.3690-03	4.4567-03	1.0133-01	1.2960+05	1.6176-03	1.3070+00
66	453.96	1.4049+01	2.3552+00	7.2696-03	2.3552+00	7.2696-03	5.0869-03	1.1566-01	1.4792+05	1.8465-03	1.6410+00
69	478.00	5.7616+00	9.8160-01	3.0849-03	9.8160-01	3.0849-03	2.1586-03	4.9079-02	6.2771+04	7.8435-04	4.1100-01
70	479.92	1.0447+00	1.7821-01	5.6087-04	1.7821-01	5.6087-04	3.9246-04	8.9231-03	1.1413+04	1.4262-04	7.1100-01
71	481.37	3.2421+00	5.5197-01	1.7391-03	5.5197-01	1.7391-03	1.2169-03	2.7668-02	3.5387+04	4.4224-04	1.3070+00
72	481.60	3.8296+00	6.5400-01	2.0609-03	6.5400-01	2.0609-03	1.4421-03	3.2788-02	4.1936+04	5.2409-04	1.6410+00
73	487.38	2.3294+00	3.8413-01	1.2158-03	3.8413-01	1.2158-03	8.5077-04	1.9343-02	2.4740+04	3.0926-04	3.7770+00
74	485.45	1.5787+00	2.6396-01	8.3425-04	2.6396-01	8.3425-04	5.8377-04	1.3273-02	1.6976+04	2.1218-04	5.3230+00
77	455.85	1.5096+00	2.5118-01	7.7638-04	2.5118-01	7.7638-04	5.4327-04	1.2352-02	1.5798+04	1.9722-04	3.0090+00
78	451.03	1.6265+00	2.6656-01	8.2098-04	2.6656-01	8.2098-04	5.7448-04	1.3061-02	1.6705+04	2.0850-04	3.3930+00
79	447.23	2.1252+00	3.4116-01	1.0478-03	3.4116-01	1.0478-03	7.3320-04	1.6670-02	2.1321+04	2.6606-04	3.7770+00
80	450.82	2.2353+00	3.7503-01	1.1549-03	3.7503-01	1.1549-03	8.0813-04	1.8374-02	2.3500+04	2.9330-04	2.4660+00
81	459.35	1.4966+00	2.4961-01	7.7355-04	2.4961-01	7.7355-04	5.4129-04	1.2307-02	1.5740+04	1.9652-04	3.0090+00
82	455.57	1.7600+00	2.9020-01	8.9679-04	2.9020-01	8.9679-04	6.2753-04	1.4267-02	1.8248+04	2.2780-04	3.3930+00
83	451.81	1.8893+00	3.0795-01	9.4902-04	3.0795-01	9.4902-04	6.6407-04	1.5098-02	1.9311+04	2.4103-04	3.7770+00
337	486.45	1.8401+01	3.4565+00	1.0933-02	3.4565+00	1.0933-02	7.6502-03	1.7393-01	2.2246+05	2.7807-03	7.1680+00
339	469.64	1.0095+01	1.9154+00	5.9818-03	1.9154+00	5.9818-03	4.1857-03	9.5167-02	1.2172+05	1.5204-03	8.1130+00
340	456.39	3.2047+00	5.9006-01	1.8246-03	5.9006-01	1.8246-03	1.2768-03	2.9028-02	3.7127+04	4.6349-04	8.6180+00
342	486.95	1.4882+01	2.8860+00	9.1316-03	2.8860+00	9.1316-03	6.3898-03	1.4528-01	1.8581+05	2.3227-03	7.1680+00
344	471.45	7.5870+00	1.4488+00	4.5308-03	1.4488+00	4.5308-03	3.1704-03	7.2082-02	9.2193+04	1.1517-03	8.1130+00
347	481.32	7.7745+00	1.4555+00	4.5858-03	1.4555+00	4.5858-03	3.2089-03	7.2958-02	9.3313+04	1.1661-03	7.1680+00
349	471.19	5.5605+00	1.0589+00	3.3108-03	1.0589+00	3.3108-03	2.3167-03	5.2672-02	6.7368+04	8.4154-04	8.1130+00
350	461.95	1.2358+00	2.1562-01	6.6949-04	2.1562-01	6.6949-04	4.6848-04	1.0651-02	1.3623+04	1.7011-04	8.6180+00
352	493.74	2.6026+00	4.7943-01	1.5249-03	4.7943-01	1.5249-03	1.0670-03	2.4260-02	3.1028+04	3.8797-04	7.1680+00
354	494.07	3.9527+00	7.6213-01	2.4246-03	7.6213-01	2.4246-03	1.6966-03	3.8574-02	4.9336+04	6.1690-04	8.1130+00
357	501.03	4.6577+00	8.5969-01	2.7497-03	8.5969-01	2.7497-03	1.9241-03	4.3746-02	5.5950+04	6.9982-04	7.1680+00
359	506.58	2.7242+00	4.9492-01	1.5898-03	4.9492-01	1.5898-03	1.1124-03	2.5292-02	3.2349+04	4.0471-04	8.1130+00
401	477.54	1.9795+01	1.6660+00	5.2340-03	1.6660+00	5.2340-03	3.6625-03	8.3270-02	1.0650+05	1.3308-03	4.5500-01
403	464.27	8.1938+00	6.7545-01	2.1009-03	6.7545-01	2.1009-03	1.4701-03	3.3425-02	4.2750+04	5.3387-04	6.8600-01
404	409.72	-9.7938+01	-2.0394+00	-3.8728-03	-2.0394+00	-3.8728-03	-2.7100-03	-6.1614-02	-7.8805+04	-9.5335-04	8.0100-01
405	477.04	3.0444+01	2.5311+00	7.9487-03	2.5311+00	7.9487-03	5.5621-03	1.2646-01	1.6174+05	2.0209-03	1.0510+00
406	487.15	5.0024+01	4.2118+00	1.3329-02	4.2118+00	1.3329-02	9.3268-03	2.1205-01	2.7122+05	3.3903-03	1.1670+00
407	493.57	5.8837+01	5.0634+00	1.6102-02	5.0634+00	1.6102-02	1.1268-02	2.5618-01	3.2765+05	4.0969-03	1.2830+00
408	470.43	1.2031+01	9.8396-01	3.0747-03	9.8396-01	3.0747-03	2.1515-03	4.8917-02	6.2564+04	7.8151-04	5.1300-01
409	458.31	4.6213+00	3.8170-01	1.1820-03	3.8170-01	1.1820-03	8.2709-04	1.8805-02	2.4051+04	3.0028-04	5.7000-01
410	468.48	1.2222+01	9.8010-01	3.0581-03	9.8010-01	3.0581-03	2.1399-03	4.8653-02	6.2227+04	7.7724-04	6.2800-01
411	459.04	5.3610+00	4.4302-01	1.3726-03	4.4302-01	1.3726-03	9.6047-04	2.1837-02	2.7930+04	3.4871-04	6.8600-01
412	477.81	1.3152+01	1.0940+00	3.4375-03	1.0940+00	3.4375-03	2.4054-03	5.4689-02	6.9948+04	8.7402-04	7.4400-01
413	458.43	5.1013+00	4.2389-01	1.3127-03	4.2389-01	1.3127-03	9.1858-04	2.0865-02	2.6712+04	3.3349-04	8.0100-01
414	471.46	2.1595+01	1.7888+00	5.5939-03	1.7888+00	5.5939-03	3.9143-03	8.8995-02	1.1382+05	1.4219-03	8.5900-01
415	454.63	5.2987+00	4.3656-01	1.3482-03	4.3656-01	1.3482-03	9.4336-04	2.1448-02	2.7432+04	3.4244-04	9.1700-01
416	473.19	1.4353+01	1.1118+00	3.4815-03	1.1118+00	3.4815-03	2.4362-03	5.5369-02	7.0843+04	8.8502-04	5.7000-01
417	486.44	4.2586+01	3.5626+00	1.1268-02	3.5626+00	1.1268-02	7.8847-03	1.7927-01	2.2928+05	2.8660-03	1.0520+00

17 1 1.90 -10.10 .00 -.00 402 1 2.35 10.09 459.4 1729.5

8.41396+01 9.81855-03 7.00233-01 4.53675+03 9.79059-06 6.81530-08 5.46766-02 7.72000+00 7.04326-06 7.47014-02

1	468.25	2.2137+01	3.7472+00	1.1690-02	3.7472+00	1.1690-02	8.1801-03	1.8598-01	2.3787+05	2.9710-03	4.1100-01
2	471.16	2.9303+01	4.9698+00	1.5538-02	4.9698+00	1.5538-02	1.0873-02	2.4720-01	3.1617+05	3.9496-03	7.1100-01
3	465.25	3.4112+01	5.7625+00	1.7937-02	5.7625+00	1.7937-02	1.2551-02	2.8536-01	3.6498+05	4.5581-03	1.3070+00
4	471.85	5.1580+01	8.7520+00	2.7377-02	8.7520+00	2.7377-02	1.9157-02	4.3556-01	5.5708+05	6.9591-03	1.6410+00
5	449.11	3.6314+01	6.3516+00	1.9535-02	6.3516+00	1.9535-02	1.3669-02	3.1078-01	3.9749+05	4.9607-03	1.7720+00
6	437.82	2.6099+00	4.2637-01	1.3005-03	4.2637-01	1.3005-03	9.1001-04	2.0690-02	2.6462+04	3.3009-04	2.4660+00
7	462.35	1.4878+00	2.4644-01	7.6544-04	2.4644-01	7.6544-04	5.3561-04	1.2178-02	1.5575+04	1.9449-04	3.0090+00
8	458.09	1.9699+00	3.2245-01	9.9834-04	3.2245-01	9.9834-04	6.9859-04	1.5883-02	2.0314+04	2.5362-04	3.3930+00
9	452.88	2.3107+00	3.7690-01	1.1624-03	3.7690-01	1.1624-03	8.1339-04	1.8493-02	2.3653+04	2.9524-04	3.7770+00
10	451.54	2.9091+00	4.7550-01	1.4651-03	4.7550-01	1.4651-03	1.0252-03	2.3308-02	2.9811+04	3.7208-04	5.3230+00
14	452.91	2.2079+01	3.6988+00	1.1408-02	3.6988+00	1.1408-02	7.9827-03	1.8150-01	2.3213+05	2.8975-03	1.0880+00
15	470.46	4.6204+01	7.8325+00	2.4476-02	7.8325+00	2.4476-02	1.7127-02	3.8939-01	4.9803+05	6.2211-03	1.3070+00
16	460.37	3.8756+01	6.5256+00	2.0238-02	6.5256+00	2.0238-02	1.4162-02	3.2198-01	4.1181+05	5.1419-03	1.6410+00
19	466.34	1.0724+01	1.6485+00	5.1356-03	1.6485+00	5.1356-03	3.5936-03	8.1704-02	1.0450+05	1.3051-03	4.1100-01
20	454.81	8.0353+00	1.2848+00	3.9682-03	1.2848+00	3.9682-03	2.7767-03	6.3132-02	8.0746+04	1.0080-03	7.1100-01
21	442.43	1.5317+01	2.4657+00	7.5462-03	2.4657+00	7.5462-03	5.2804-03	1.2006-01	1.5355+05	1.9158-03	1.0880+00
22	456.25	3.6279+01	5.9312+00	1.8339-02	5.9312+00	1.8339-02	1.2832-02	2.9176-01	3.7316+05	4.6584-03	1.3070+00
23	465.17	3.8208+01	6.1900+00	1.9266-02	6.1900+00	1.9266-02	1.3482-02	3.0652-01	3.9203+05	4.8959-03	1.6410+00
24	439.46	1.8644+00	3.0131-01	9.2015-04	3.0131-01	9.2015-04	6.4387-04	1.4639-02	1.8723+04	2.3357-04	3.0090+00
25	435.28	1.5179+00	2.3873-01	7.2679-04	2.3873-01	7.2679-04	5.0857-04	1.1563-02	1.4789+04	1.8446-04	3.3930+00
26	440.05	1.3652+00	2.1675-01	6.6218-04	2.1675-01	6.6218-04	4.6336-04	1.0535-02	1.3474+04	1.6809-04	3.7770+00
27	452.23	4.2083+00	6.7170-01	2.0706-03	6.7170-01	2.0706-03	1.4489-03	3.2943-02	4.2134+04	5.2590-04	7.1100-01
28	435.94	1.0469+01	1.6776+00	5.1098-03	1.6776+00	5.1098-03	3.5756-03	8.1294-02	1.0397+05	1.2969-03	1.0880+00
29	453.24	2.8750+01	4.7329+00	1.4601-02	4.7329+00	1.4601-02	1.0217-02	2.3229-01	2.9710+05	3.7085-03	1.3070+00
30	469.98	3.8729+01	6.4673+00	2.0202-02	6.4673+00	2.0202-02	1.4136-02	3.2141-01	4.1108+05	5.1348-03	1.6410+00
31	466.09	2.3561+01	3.9824+00	1.2404-02	3.9824+00	1.2404-02	8.6795-03	1.9734-01	2.5239+05	3.1522-03	1.7720+00
32	452.53	3.1756+00	5.2408-01	1.6159-03	5.2408-01	1.6159-03	1.1307-03	2.5708-02	3.2881+04	4.1041-04	2.4660+00
33	431.51	2.8634+00	4.6710-01	1.4182-03	4.6710-01	1.4182-03	9.9236-04	2.2562-02	2.8857+04	3.5987-04	3.0090+00
34	432.23	1.8805+00	3.0239-01	9.1856-04	3.0239-01	9.1856-04	6.4276-04	1.4614-02	1.8691+04	2.3310-04	3.3930+00
35	440.23	1.2078+00	1.8709-01	5.7165-04	1.8709-01	5.7165-04	4.0001-04	9.0946-03	1.1632+04	1.4511-04	3.7770+00
36	453.69	2.7232+01	4.4309+00	1.3674-02	4.4309+00	1.3674-02	9.5682-03	2.1754-01	2.7824+05	3.4731-03	1.3070+00
37	446.43	2.9517+00	4.9085-01	1.5066-03	4.9085-01	1.5066-03	1.0543-03	2.3970-02	3.0657+04	3.8256-04	2.4660+00
38	432.31	2.9304+00	4.7123-01	1.4315-03	4.7123-01	1.4315-03	1.0017-03	2.2775-02	2.9129+04	3.6328-04	3.0090+00
39	436.30	2.4795+00	3.9743-01	1.2109-03	3.9743-01	1.2109-03	8.4730-04	1.9264-02	2.4639+04	3.0733-04	3.3930+00
40	444.49	1.6603+00	2.6521-01	8.1290-04	2.6521-01	8.1290-04	5.6882-04	1.2933-02	1.6541+04	2.0639-04	3.7770+00
41	452.28	8.4676-01	1.3309-01	4.1027-04	1.3309-01	4.1027-04	2.8709-04	6.5272-03	8.3483+03	1.0420-04	4.1620+00
43	461.67	1.1610+00	1.9337-01	6.0031-04	1.9337-01	6.0031-04	4.2007-04	9.5506-03	1.2215+04	1.5253-04	5.3230+00
47	460.50	1.0208+01	1.6536+00	5.1288-03	1.6536+00	5.1288-03	3.5888-03	8.1596-02	1.0436+05	1.3031-03	7.1100-01
48	448.59	1.8091+01	2.9599+00	9.0998-03	2.9599+00	9.0998-03	6.3675-03	1.4477-01	1.8516+05	2.3108-03	1.0880+00
49	445.97	2.3326+01	3.8322+00	1.1759-02	3.8322+00	1.1759-02	8.2283-03	1.8708-01	2.3927+05	2.9857-03	1.3070+00
50	463.80	3.1678+01	5.2992+00	1.6477-02	5.2992+00	1.6477-02	1.1530-02	2.6214-01	3.3528+05	4.1869-03	1.6410+00
51	464.54	2.0982+01	3.5428+00	1.1022-02	3.5428+00	1.1022-02	7.7126-03	1.7535-01	2.2428+05	2.8008-03	1.7720+00
52	445.18	2.1413+00	3.5682-01	1.0942-03	3.5682-01	1.0942-03	7.6570-04	1.7409-02	2.2266+04	2.7783-04	2.4660+00
53	437.00	2.0182+00	3.2561-01	9.9255-04	3.2561-01	9.9255-04	6.9453-04	1.5791-02	2.0196+04	2.5192-04	3.0090+00
54	443.80	1.8800+00	3.0109-01	9.2239-04	3.0109-01	9.2239-04	6.4544-04	1.4675-02	1.8769+04	2.3418-04	3.3930+00
55	449.52	1.8306+00	2.8897-01	8.8902-04	2.8897-01	8.8902-04	6.2209-04	1.4144-02	1.8090+04	2.2577-04	3.7770+00
56	468.11	4.6639+00	7.2476-01	2.2608-03	7.2476-01	2.2608-03	1.5820-03	3.5968-02	4.6003+04	5.7458-04	4.1100-01
57	472.06	1.9025+01	3.0870+00	9.6582-03	3.0870+00	9.6582-03	6.7583-03	1.5366-01	1.9653+05	2.4551-03	7.1100-01
58	452.77	1.8678+01	3.0647+00	9.4511-03	3.0647+00	9.4511-03	6.6134-03	1.5036-01	1.9231+05	2.4004-03	1.0880+00
59	448.95	2.0032+01	3.2880+00	1.0111-02	3.2880+00	1.0111-02	7.0754-03	1.6087-01	2.0575+05	2.5677-03	1.3070+00
60	455.59	1.8420+01	3.0463+00	9.4141-03	3.0463+00	9.4141-03	6.5875-03	1.4977-01	1.9156+05	2.3913-03	1.6410+00
61	449.42	9.5688-01	1.5524-01	4.7757-04	1.5524-01	4.7757-04	3.3418-04	7.5979-03	9.7177+03	1.2128-04	3.0090+00
62	453.21	1.1403+00	1.8380-01	5.6700-04	1.8380-01	5.6700-04	3.9676-04	9.0207-03	1.1537+04	1.4401-04	3.3930+00
63	457.03	1.2530+00	1.9880-01	6.1502-04	1.9880-01	6.1502-04	4.3036-04	9.7847-03	1.2515+04	1.5623-04	3.7770+00
64	464.00	1.4678+01	2.4775+00	7.7044-03	2.4775+00	7.7044-03	5.3911-03	1.2257-01	1.5677+05	1.9577-03	1.0880+00
65	455.49	1.2428+01	2.0857+00	6.4450-03	2.0857+00	6.4450-03	4.5099-03	1.0254-01	1.3114+05	1.6371-03	1.3070+00
66	457.48	1.4293+01	2.4019+00	7.4331-03	2.4019+00	7.4331-03	5.2013-03	1.1826-01	1.5125+05	1.8883-03	1.6410+00
69	479.51	6.1652+00	1.0514+00	3.3080-03	1.0514+00	3.3080-03	2.3148-03	5.2629-02	6.7313+04	8.4115-04	4.1100-01
70	480.18	1.0109+00	1.7248-01	5.4294-04	1.7248-01	5.4294-04	3.7992-04	8.6379-03	1.1048+04	1.3806-04	7.1100-01
71	482.19	3.1922+00	5.4377-01	1.7143-03	5.4377-01	1.7143-03	1.1996-03	2.7274-02	3.4883+04	4.3596-04	1.3070+00
72	482.57	3.8826+00	6.6348-01	2.0923-03	6.6348-01	2.0923-03	1.4641-03	3.3288-02	4.2575+04	5.3210-04	1.6410+00
73	487.97	2.3626+00	3.8976-01	1.2342-03	3.8976-01	1.2342-03	8.6363-04	1.9635-02	2.5114+04	3.1394-04	3.7770+00
74	485.85	1.5335+00	2.5647-01	8.1083-04	2.5647-01	8.1083-04	5.6738-04	1.2900-02	1.6499+04	2.0623-04	5.3230+00
77	456.22	1.5013+00	2.4986-01	7.7253-04	2.4986-01	7.7253-04	5.4057-04	1.2290-02	1.5719+04	1.9624-04	3.0090+00
78	451.45	1.4831+00	2.4313-01	7.4905-04	2.4313-01	7.4905-04	5.2415-04	1.1917-02	1.5242+04	1.9024-04	3.3930+00
79	447.74	2.1330+00	3.4253-01	1.0524-03	3.4253-01	1.0524-03	7.3642-04	1.6743-02	2.1415+04	2.6724-04	3.7770+00
80	451.38	2.0301+00	3.4073-01	1.0497-03	3.4073-01	1.0497-03	7.3453-04	1.6700-02	2.1360+04	2.6659-04	2.4660+00
81	459.72	1.4982+00	2.4994-01	7.7477-04	2.4994-01	7.7477-04	5.4214-04	1.2326-02	1.5765+04	1.9684-04	3.0090+00
82	456.00	1.7605+00	2.9037-01	8.9761-04	2.9037-01	8.9761-04	6.2810-04	1.4280-02	1.8265+04	2.2801-04	3.3930+00
83	452.24	1.9720+00	3.2151-01	9.9111-04	3.2151-01	9.9111-04	6.9353-04	1.5768-02	2.0167+04	2.5172-04	3.7770+00
337	491.02	1.8410+01	3.4687+00	1.1010-02	3.4687+00	1.1010-02	7.7039-03	1.7516-01	2.2402+05	2.8008-03	7.1680+00
339	472.20	1.0135+01	1.9262+00	6.0270-03	1.9262+00	6.0270-03	4.2174-03	9.5887-02	1.2264+05	1.5320-03	8.1130+00
340	457.18	3.1491+00	5.8014-01	1.7950-03	5.8014-01	1.7950-03	1.2560-03	2.8557-02	3.6524+04	4.5598-04	8.6180+00
342	490.66	1.4771+01	2.8715+00	9.1114-03	2.8715+00	9.1114-03	6.3757-03	1.4496-01	1.8540+05	2.3179-03	7.1680+00
344	473.36	7.5496+00	1.4435+00	4.5206-03	1.4435+00	4.5206-03	3.1633-03	7.1921-02	9.1987+04	1.1492-03	8.1130+00
347	483.27	7.8597+00	1.4734+00	4.6489-03	1.4734+00	4.6489-03	3.2531-03	7.3962-02	9.4597+04	1.1823-03	7.1680+00
349	472.61	5.5610+00	1.0600+00	3.3177-03	1.0600+00	3.3177-03	2.3216-03	5.2783-02	6.7510+04	8.4337-04	8.1130+00
350	462.27	1.2047+00	2.1022-01	6.5290-04	2.1022-01	6.5290-04	4.5687-04	1.0387-02	1.3285+04	1.6589-04	8.6180+00
352	494.40	2.6691+00	4.9189-01	1.5653-03	4.9189-01	1.5653-03	1.0953-03	2.4903-02	3.1851+04	3.9827-04	7.1680+00
354	495.05	3.9236+00	7.5700-01	2.4101-03	7.5700-01	2.4101-03	1.6865-03	3.8343-02	4.9041+04	6.1324-04	8.1130+00
357	502.21	4.6187+00	8.5314-01	2.7312-03	8.5314-01	2.7312-03	1.9111-03	4.3452-02	5.5575+04	6.9515-04	7.1680+00
359	507.24	2.6660+00	4.8455-01	1.5572-03	4.8455-01	1.5572-03	1.0897-03	2.4775-02	3.1687+04	3.9645-04	8.1130+00
401	482.35	1.8812+01	1.5883+00	5.0080-03	1.5883+00	5.0080-03	3.5043-03	7.9675-02	1.0190+05	1.2736-03	4.5500-01
403	466.32	8.2255+00	6.7900-01	2.1152-03	6.7900-01	2.1152-03	1.4801-03	3.3652-02	4.3041+04	5.3754-04	6.8600-01
404	460.90	-1.8166+02	-2.9717+00	-5.5205-03	-2.9717+00	-5.5205-03	-3.8630-03	-8.7829-02	-1.1233+05	-1.3567-03	8.0100-01
405	484.73	3.0541+01	2.5520+00	8.0613-03	2.5520+00	8.0613-03	5.6409-03	1.2825-01	1.6403+05	2.0502-03	1.0510+00
406	499.44	4.8106+01	4.0827+00	1.3042-02	4.0827+00	1.3042-02	9.1263-03	2.0749-01	2.6539+05	3.3192-03	1.1670+00
407	507.96	5.6544+01	4.9112+00	1.5792-02	4.9112+00	1.5792-02	1.1051-02	2.5125-01	3.2134+05	4.0205-03	1.2830+00
408	473.48	1.2216+01	1.0011+00	3.1354-03	1.0011+00	3.1354-03	2.1940-03	4.9882-02	6.3799+04	7.9704-04	5.1300-01
409	459.53	4.8566+00	4.0147-01	1.2443-03	4.0147-01	1.2443-03	8.7070-04	1.9796-02	2.5319+04	3.1613-04	5.7000-01
410	471.52	1.2035+01	9.6706-01	3.0244-03	9.6706-01	3.0244-03	2.1163-03	4.8116-02	6.1540+04	7.6875-04	6.2800-01
411	460.40	5.5216+00	4.5670-01	1.4164-03	4.5670-01	1.4164-03	9.9114-04	2.2535-02	2.8822+04	3.5987-04	6.8600-01
412	481.09	1.3079+01	1.0903+00	3.4346-03	1.0903+00	3.4346-03	2.4034-03	5.4643-02	6.9888+04	8.7339-04	7.4400-01
413	459.66	5.1091+00	4.2489-01	1.3170-03	4.2489-01	1.3170-03	9.2160-04	2.0953-02	2.6799+04	3.3461-04	8.0100-01
414	476.83	2.0996+01	1.7454+00	5.4804-03	1.7454+00	5.4804-03	3.8349-03	8.7190-02	1.1152+05	1.3934-03	8.5900-01
415	455.98	5.5631+00	4.5876-01	1.4182-03	4.5876-01	1.4182-03	9.9235-04	2.2562-02	2.8857+04	3.6024-04	9.1700-01
416	476.68	1.3976+01	1.0851+00	3.4069-03	1.0851+00	3.4069-03	2.3839-03	5.4201-02	6.9323+04	8.6617-04	5.7000-01
417	496.80	4.0300+01	3.3940+00	1.0820-02	3.3940+00	1.0820-02	7.5714-03	1.7214-01	2.2017+05	2.7534-03	1.0520+00

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8.41396+01 9.81855-03 7.00233-01 4.53675+03 9.79059-06 6.81530-08 5.46766-02 7.72000+00 7.04326-06 7.47014-02

1	473.87	2.2664+01	3.8507+00	1.2068-02	3.8507+00	1.2068-02	8.4442-03	1.9199-01	2.4555+05	3.0668-03	4.1100-01
2	478.45	2.9288+01	4.9914+00	1.5696-02	4.9914+00	1.5696-02	1.0983-02	2.4972-01	3.1939+05	3.9898-03	7.1100-01
3	473.79	3.3893+01	5.7583+00	1.8045-02	5.7583+00	1.8045-02	1.2627-02	2.8708-01	3.6717+05	4.5858-03	1.3070+00
4	484.70	5.0936+01	8.7163+00	2.7540-02	8.7163+00	2.7540-02	1.9271-02	4.3815-01	5.6039+05	7.0023-03	1.6410+00
5	458.05	3.5757+01	6.2924+00	1.9487-02	6.2924+00	1.9487-02	1.3636-02	3.1003-01	3.9653+05	4.9491-03	1.7720+00
6	438.46	2.5423+00	4.1552-01	1.2684-03	4.1552-01	1.2684-03	8.8753-04	2.0179-02	2.5809+04	3.2185-04	2.4660+00
7	462.72	1.5288+00	2.5330-01	7.8720-04	2.5330-01	7.8720-04	5.5084-04	1.2524-02	1.6018+04	1.9996-04	3.0090+00
8	458.57	1.9512+00	3.1949-01	9.8984-04	3.1949-01	9.8984-04	6.9264-04	1.5748-02	2.0141+04	2.5139-04	3.3930+00
9	453.51	2.4613+00	4.0164-01	1.2397-03	4.0164-01	1.2397-03	8.6746-04	1.9722-02	2.5225+04	3.1477-04	3.7770+00
10	452.22	2.9283+00	4.7887-01	1.4766-03	4.7887-01	1.4766-03	1.0333-03	2.3492-02	3.0046+04	3.7492-04	5.3230+00
14	458.37	2.2092+01	3.7148+00	1.1507-02	3.7148+00	1.1507-02	8.0522-03	1.8307-01	2.3415+05	2.9225-03	1.0880+00
15	481.95	4.5250+01	7.7293+00	2.4371-02	7.7293+00	2.4371-02	1.7053-02	3.8773-01	4.9590+05	6.1957-03	1.3070+00
16	470.03	3.8489+01	6.5229+00	2.0383-02	6.5229+00	2.0383-02	1.4263-02	3.2428-01	4.1475+05	5.1792-03	1.6410+00
19	468.98	1.0635+01	1.6379+00	5.1140-03	1.6379+00	5.1140-03	3.5785-03	8.1360-02	1.0406+05	1.2994-03	4.1100-01
20	456.94	8.3595+00	1.3386+00	4.1420-03	1.3386+00	4.1420-03	2.8984-03	6.5898-02	8.4283+04	1.0519-03	7.1100-01
21	446.25	1.4893+01	2.4038+00	7.3795-03	2.4038+00	7.3795-03	5.1638-03	1.1740-01	1.5016+05	1.8732-03	1.0880+00
22	465.25	3.5908+01	5.9063+00	1.8390-02	5.9063+00	1.8390-02	1.2868-02	2.9258-01	3.7420+05	4.6719-03	1.3070+00
23	474.76	3.8191+01	6.2269+00	1.9527-02	6.2269+00	1.9527-02	1.3664-02	3.1067-01	3.9735+05	4.9628-03	1.6410+00
24	439.93	1.9096+00	3.0872-01	9.4337-04	3.0872-01	9.4337-04	6.6012-04	1.5008-02	1.9196+04	2.3940-04	3.0090+00
25	435.66	1.4758+00	2.3217-01	7.0724-04	2.3217-01	7.0724-04	4.9489-04	1.1252-02	1.4391+04	1.7945-04	3.3930+00
26	440.39	1.3470+00	2.1391-01	6.5388-04	2.1391-01	6.5388-04	4.5755-04	1.0403-02	1.3305+04	1.6594-04	3.7770+00
27	453.26	4.3335+00	6.9217-01	2.1360-03	6.9217-01	2.1360-03	1.4947-03	3.3983-02	4.3464+04	5.4236-04	7.1100-01
28	438.59	1.0584+01	1.6992+00	5.1872-03	1.6992+00	5.1872-03	3.6297-03	8.2525-02	1.0555+05	1.3163-03	1.0880+00
29	460.35	2.8445+01	4.7053+00	1.4597-02	4.7053+00	1.4597-02	1.0214-02	2.3223-01	2.9702+05	3.7075-03	1.3070+00
30	479.62	3.8290+01	6.4350+00	2.0254-02	6.4350+00	2.0254-02	1.4173-02	3.2223-01	4.1213+05	5.1486-03	1.6410+00
31	471.95	2.3501+01	3.9878+00	1.2479-02	3.9878+00	1.2479-02	8.7323-03	1.9854-01	2.5393+05	3.1712-03	1.7720+00
32	453.36	3.4675+00	5.7258-01	1.7671-03	5.7258-01	1.7671-03	1.2365-03	2.8113-02	3.5957+04	4.4869-04	2.4660+00
33	432.24	2.8914+00	4.7192-01	1.4340-03	4.7192-01	1.4340-03	1.0034-03	2.2814-02	2.9179+04	3.6379-04	3.0090+00
34	432.70	1.9387+00	3.1184-01	9.4789-04	3.1184-01	9.4789-04	6.6328-04	1.5080-02	1.9288+04	2.4048-04	3.3930+00
35	440.54	1.2842+00	1.9896-01	6.0825-04	1.9896-01	6.0825-04	4.2562-04	9.6768-03	1.2377+04	1.5436-04	3.7770+00
36	460.49	2.7100+01	4.4299+00	1.3744-02	4.4299+00	1.3744-02	9.6173-03	2.1866-01	2.7966+05	3.4908-03	1.3070+00
37	447.16	3.0234+00	5.0302-01	1.5453-03	5.0302-01	1.5453-03	1.0813-03	2.4585-02	3.1444+04	3.9227-04	2.4660+00
38	433.07	2.9143+00	4.6889-01	1.4256-03	4.6889-01	1.4256-03	9.9758-04	2.2681-02	2.9009+04	3.6168-04	3.0090+00
39	436.86	2.2681+00	3.6369-01	1.1088-03	3.6369-01	1.1088-03	7.7591-04	1.7641-02	2.2563+04	2.8136-04	3.3930+00
40	444.89	1.6042+00	2.5632-01	7.8611-04	2.5632-01	7.8611-04	5.5008-04	1.2507-02	1.5996+04	1.9954-04	3.7770+00
41	452.53	9.8494-01	1.5483-01	4.7753-04	1.5483-01	4.7753-04	3.3415-04	7.5973-03	9.7169+03	1.2125-04	4.1620+00
43	461.97	1.2109+00	2.0172-01	6.2654-04	2.0172-01	6.2654-04	4.3842-04	9.9679-03	1.2749+04	1.5915-04	5.3230+00
47	463.03	1.0055+01	1.6315+00	5.0715-03	1.6315+00	5.0715-03	3.5487-03	8.0684-02	1.0319+05	1.2883-03	7.1100-01
48	453.04	1.7970+01	2.9491+00	9.0993-03	2.9491+00	9.0993-03	6.3672-03	1.4476-01	1.8515+05	2.3106-03	1.0880+00
49	451.72	2.3069+01	3.8050+00	1.1729-02	3.8050+00	1.1729-02	8.2072-03	1.8660-01	2.3866+05	2.9779-03	1.3070+00
50	471.74	3.1402+01	5.2811+00	1.6524-02	5.2811+00	1.6524-02	1.1562-02	2.6288-01	3.3622+05	4.1989-03	1.6410+00
51	469.77	2.0872+01	3.5366+00	1.1049-02	3.5366+00	1.1049-02	7.7316-03	1.7578-01	2.2483+05	2.8075-03	1.7720+00
52	445.70	2.1158+00	3.5271-01	1.0824-03	3.5271-01	1.0824-03	7.5738-04	1.7220-02	2.2024+04	2.7474-04	2.4660+00
53	437.52	1.9984+00	3.2254-01	9.8385-04	3.2254-01	9.8385-04	6.8844-04	1.5652-02	2.0019+04	2.4965-04	3.0090+00
54	444.28	1.8691+00	2.9944-01	9.1793-04	2.9944-01	9.1793-04	6.4232-04	1.4604-02	1.8678+04	2.3299-04	3.3930+00
55	449.99	1.8109+00	2.8595-01	8.8027-04	2.8595-01	8.8027-04	6.1597-04	1.4005-02	1.7912+04	2.2348-04	3.7770+00
56	469.34	4.8213+00	7.4984-01	2.3419-03	7.4984-01	2.3419-03	1.6387-03	3.7258-02	4.7653+04	5.9504-04	4.1100-01
57	476.78	1.8635+01	3.0331+00	9.5262-03	3.0331+00	9.5262-03	6.6660-03	1.5156-01	1.9384+05	2.4213-03	7.1100-01
58	457.41	1.8812+01	3.0964+00	9.5849-03	3.0964+00	9.5849-03	6.7070-03	1.5249-01	1.9504+05	2.4342-03	1.0880+00
59	453.90	1.9849+01	3.2691+00	1.0093-02	3.2691+00	1.0093-02	7.0626-03	1.6057-01	2.0537+05	2.5628-03	1.3070+00
60	460.22	1.8530+01	3.0740+00	9.5355-03	3.0740+00	9.5355-03	6.6724-03	1.5170-01	1.9403+05	2.4219-03	1.6410+00
61	449.66	9.8909-01	1.6050-01	4.9396-04	1.6050-01	4.9396-04	3.4565-04	7.8586-03	1.0051+04	1.2540-04	3.0090+00
62	453.51	1.1683+00	1.8836-01	5.8137-04	1.8836-01	5.8137-04	4.0681-04	9.2493-03	1.1830+04	1.4762-04	3.3930+00
63	457.34	1.3138+00	2.0849-01	6.4533-04	2.0849-01	6.4533-04	4.5157-04	1.0267-02	1.3131+04	1.6389-04	3.7770+00
64	467.65	1.4561+01	2.4638+00	7.6850-03	2.4638+00	7.6850-03	5.3776-03	1.2226-01	1.5638+05	1.9525-03	1.0880+00
65	458.66	1.2752+01	2.1447+00	6.6450-03	2.1447+00	6.6450-03	4.6498-03	1.0572-01	1.3521+05	1.6876-03	1.3070+00
66	461.13	1.4514+01	2.4450+00	7.5895-03	2.4450+00	7.5895-03	5.3107-03	1.2074-01	1.5443+05	1.9277-03	1.6410+00
69	481.12	6.5382+00	1.1162+00	3.5172-03	1.1162+00	3.5172-03	2.4612-03	5.5967-02	7.1569+04	8.9414-04	4.1100-01
70	480.45	1.0940+00	1.8669-01	5.8798-04	1.8669-01	5.8798-04	4.1144-04	9.3544-03	1.1964+04	1.4947-04	7.1100-01
71	482.97	3.1829+00	5.4246-01	1.7117-03	5.4246-01	1.7117-03	1.1978-03	2.7233-02	3.4830+04	4.3518-04	1.3070+00
72	483.52	3.8177+00	6.5279-01	2.0607-03	6.5279-01	2.0607-03	1.4420-03	3.2785-02	4.1932+04	5.2392-04	1.6410+00
73	488.57	2.3600+00	3.8948-01	1.2343-03	3.8948-01	1.2343-03	8.6367-04	1.9636-02	2.5115+04	3.1387-04	3.7770+00
74	486.21	1.5236+00	2.5488-01	8.0627-04	2.5488-01	8.0627-04	5.6419-04	1.2827-02	1.6406+04	2.0501-04	5.3230+00
77	456.59	1.4779+00	2.4603-01	7.6112-04	2.4603-01	7.6112-04	5.3259-04	1.2109-02	1.5487+04	1.9329-04	3.0090+00
78	451.80	1.2935+00	2.1210-01	6.5381-04	2.1210-01	6.5381-04	4.5750-04	1.0402-02	1.3304+04	1.6600-04	3.3930+00
79	448.27	2.1501+00	3.4541-01	1.0620-03	3.4541-01	1.0620-03	7.4312-04	1.6896-02	2.1609+04	2.6960-04	3.7770+00
80	451.87	1.9652+00	3.2995-01	1.0171-03	3.2995-01	1.0171-03	7.1174-04	1.6182-02	2.0697+04	2.5825-04	2.4660+00
81	460.10	1.5195+00	2.5355-01	7.8643-04	2.5355-01	7.8643-04	5.5030-04	1.2512-02	1.6002+04	1.9974-04	3.0090+00
82	456.43	1.7849+00	2.9448-01	9.1089-04	2.9448-01	9.1089-04	6.3739-04	1.4492-02	1.8535+04	2.3132-04	3.3930+00
83	452.74	2.1314+00	3.4763-01	1.0723-03	3.4763-01	1.0723-03	7.5037-04	1.7060-02	2.1820+04	2.7228-04	3.7770+00
337	495.64	1.8327+01	3.4633+00	1.1035-02	3.4633+00	1.1035-02	7.7215-03	1.7555-01	2.2453+05	2.8069-03	7.1680+00
339	474.72	1.0193+01	1.9406+00	6.0855-03	1.9406+00	6.0855-03	4.2583-03	9.6817-02	1.2383+05	1.5466-03	8.1130+00
340	457.97	3.2904+00	6.0650-01	1.8782-03	6.0650-01	1.8782-03	1.3142-03	2.9881-02	3.8217+04	4.7699-04	8.6180+00
342	494.36	1.4809+01	2.8857+00	9.1852-03	2.8857+00	9.1852-03	6.4273-03	1.4613-01	1.8690+05	2.3363-03	7.1680+00
344	475.24	7.5574+00	1.4468+00	4.5388-03	1.4468+00	4.5388-03	3.1760-03	7.2209-02	9.2355+04	1.1535-03	8.1130+00
347	485.25	7.9231+00	1.4872+00	4.7010-03	1.4872+00	4.7010-03	3.2895-03	7.4790-02	9.5656+04	1.1953-03	7.1680+00
349	473.99	5.4831+00	1.0461+00	3.2786-03	1.0461+00	3.2786-03	2.2942-03	5.2161-02	6.6714+04	8.3323-04	8.1130+00
350	462.55	1.2125+00	2.1162-01	6.5759-04	2.1162-01	6.5759-04	4.6014-04	1.0462-02	1.3381+04	1.6704-04	8.6180+00
352	495.08	2.7158+00	5.0073-01	1.5947-03	5.0073-01	1.5947-03	1.1159-03	2.5371-02	3.2450+04	4.0565-04	7.1680+00
354	496.01	3.8442+00	7.4212-01	2.3652-03	7.4212-01	2.3652-03	1.6550-03	3.7629-02	4.8127+04	6.0166-04	8.1130+00
357	503.33	4.5688+00	8.4454-01	2.7068-03	8.4454-01	2.7068-03	1.8941-03	4.3064-02	5.5079+04	6.8877-04	7.1680+00
359	507.90	2.6686+00	4.8523-01	1.5607-03	4.8523-01	1.5607-03	1.0921-03	2.4830-02	3.1758+04	3.9722-04	8.1130+00
401	486.92	1.7919+01	1.5175+00	4.8027-03	1.5175+00	4.8027-03	3.3607-03	7.6409-02	9.7727+04	1.2212-03	4.5500-01
403	468.37	8.3990+00	6.9428-01	2.1668-03	6.9428-01	2.1668-03	1.5162-03	3.4472-02	4.4090+04	5.5053-04	6.8600-01
404	514.01	-1.5759+02	-1.8324+00	-3.3298-03	-1.8324+00	-3.3298-03	-2.3300-03	-5.2975-02	-6.7755+04	-8.1675-04	9.0100-01
405	492.36	3.0193+01	2.5356+00	8.0585-03	2.5356+00	8.0585-03	5.6389-03	1.2821-01	1.6398+05	2.0496-03	1.0510+00
406	511.21	4.6131+01	3.9446+00	1.2720-02	3.9446+00	1.2720-02	8.9008-03	2.0237-01	2.5883+05	3.2378-03	1.1670+00
407	521.85	5.4302+01	4.7579+00	1.5471-02	4.7579+00	1.5471-02	1.0826-02	2.4613-01	3.1480+05	3.9398-03	1.2830+00
408	476.55	1.2428+01	1.0206+00	3.2048-03	1.0206+00	3.2048-03	2.2425-03	5.0986-02	6.5211+04	8.1454-04	5.1300-01
409	460.78	5.2546+00	4.3473-01	1.3491-03	4.3473-01	1.3491-03	9.4461-04	2.1463-02	2.7451+04	3.4266-04	5.7000-01
410	474.50	1.1884+01	9.5686-01	3.0001-03	9.5686-01	3.0001-03	2.0993-03	4.7729-02	6.1046+04	7.6245-04	6.2800-01
411	461.80	5.7766+00	4.7825-01	1.4853-03	4.7825-01	1.4853-03	1.0393-03	2.3630-02	3.0222+04	3.7726-04	6.8600-01
412	484.36	1.2728+01	1.0633+00	3.3588-03	1.0633+00	3.3588-03	2.3503-03	5.3437-02	6.8345+04	8.5398-04	7.4400-01
413	461.01	5.5273+00	4.6008-01	1.4280-03	4.6008-01	1.4280-03	9.9924-04	2.2719-02	2.9057+04	3.6271-04	8.0100-01
414	482.00	2.0367+01	1.6989+00	5.3569-03	1.6989+00	5.3569-03	3.7485-03	8.5225-02	1.0900+05	1.3618-03	8.5900-01
415	457.40	5.8649+00	4.8412-01	1.4986-03	4.8412-01	1.4986-03	1.0486-03	2.3841-02	3.0493+04	3.8057-04	9.1700-01
416	480.16	1.3819+01	1.0754+00	3.3863-03	1.0754+00	3.3863-03	2.3696-03	5.3874-02	6.8905+04	8.6081-04	5.7000-01
417	506.60	3.8407+01	3.2550+00	1.0459-02	3.2550+00	1.0459-02	7.3187-03	1.6640-01	2.1282+05	2.6618-03	1.0520+00

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8.41215+01 9.81885-03 7.00255-01 4.53626+03 9.79299-06 6.81384-08 5.46959-02 7.72000+00 7.04155-06 7.47036-02

1	485.44	2.3174+01	3.9674+00	1.2547-02	3.9674+00	1.2547-02	8.7782-03	1.9961-01	2.5536+05	3.1900-03	4.1100-01
2	493.12	2.9363+01	5.0523+00	1.6071-02	5.0523+00	1.6071-02	1.1244-02	2.5568-01	3.2710+05	4.0875-03	7.1100-01
3	490.49	3.3200+01	5.7028+00	1.8104-02	5.7028+00	1.8104-02	1.2667-02	2.8803-01	3.6848+05	4.6041-03	1.3070+00
4	509.81	4.9412+01	8.5935+00	2.7690-02	8.5935+00	2.7690-02	1.9373-02	4.4053-01	5.6357+05	7.0477-03	1.6410+00
5	475.80	3.5031+01	6.2383+00	1.9584-02	6.2383+00	1.9584-02	1.3702-02	3.1158-01	3.9860+05	4.9774-03	1.7720+00
6	439.74	2.5600+00	4.1878-01	1.2799-03	4.1878-01	1.2799-03	8.9546-04	2.0362-02	2.6049+04	3.2478-04	2.4660+00
7	463.50	1.6213+00	2.6877-01	8.3599-04	2.6877-01	8.3599-04	5.8490-04	1.3300-02	1.7015+04	2.1236-04	3.0090+00
8	459.56	2.0358+00	3.3358-01	1.0346-03	3.3358-01	1.0346-03	7.2383-04	1.6459-02	2.1056+04	2.6275-04	3.3930+00
9	454.75	2.5039+00	4.0894-01	1.2637-03	4.0894-01	1.2637-03	8.8417-04	2.0105-02	2.5721+04	3.2089-04	3.7770+00
10	453.79	3.2374+00	5.2998-01	1.6366-03	5.2998-01	1.6366-03	1.1451-03	2.6037-02	3.3310+04	4.1556-04	5.3230+00
14	469.61	2.2399+01	3.7949+00	1.1858-02	3.7949+00	1.1858-02	8.2967-03	1.8866-01	2.4135+05	3.0130-03	1.0880+00
15	504.02	4.3256+01	7.4952+00	2.4043-02	7.4952+00	2.4043-02	1.6822-02	3.8251-01	4.8935+05	6.1180-03	1.3070+00
16	489.10	3.7647+01	6.4609+00	2.0489-02	6.4609+00	2.0489-02	1.4335-02	3.2596-01	4.1701+05	5.2102-03	1.6410+00
19	474.31	1.0651+01	1.6462+00	5.1622-03	1.6462+00	5.1622-03	3.6117-03	8.2127-02	1.0507+05	1.3119-03	1.4100-01
20	461.09	8.1855+00	1.3144+00	4.0810-03	1.3144+00	4.0810-03	2.8553-03	6.4926-02	8.3061+04	1.0365-03	7.1100-01
21	453.48	1.4310+01	2.3210+00	7.1658-03	2.3210+00	7.1658-03	5.0135-03	1.1400-01	1.4585+05	1.8195-03	1.0880+00
22	483.02	3.4933+01	5.8141+00	1.8353-02	5.8141+00	1.8353-02	1.2840-02	2.9198-01	3.7353+05	4.6658-03	1.3070+00
23	493.74	3.7603+01	6.2077+00	1.9756-02	6.2077+00	1.9756-02	1.3822-02	3.1431-01	4.0210+05	5.0249-03	1.6410+00
24	440.91	1.9387+00	3.1363-01	9.5935-04	3.1363-01	9.5935-04	6.7121-04	1.5263-02	1.9526+04	2.4346-04	3.0090+00
25	436.37	1.3881+00	2.1847-01	6.6603-04	2.1847-01	6.6603-04	4.6599-04	1.0596-02	1.3556+04	1.6899-04	3.3930+00
26	441.07	1.3642+00	2.1673-01	6.6303-04	2.1673-01	6.6303-04	4.6389-04	1.0548-02	1.3495+04	1.6826-04	3.7770+00
27	455.55	4.6291+00	7.4054-01	2.2898-03	7.4054-01	2.2898-03	1.6021-03	3.6430-02	4.6605+04	5.8146-04	7.1100-01
28	443.90	1.0647+01	1.7157+00	5.2595-03	1.7157+00	5.2595-03	3.6798-03	8.3676-02	1.0705+05	1.3349-03	1.0880+00
29	474.54	2.8064+01	4.6866+00	1.4699-02	4.6866+00	1.4699-02	1.0284-02	2.3385-01	2.9917+05	3.7356-03	1.3070+00
30	498.49	3.7315+01	6.3488+00	2.0279-02	6.3488+00	2.0279-02	1.4188-02	3.2262-01	4.1274+05	5.1589-03	1.6410+00
31	483.70	2.3339+01	3.9912+00	1.2605-02	3.9912+00	1.2605-02	8.8191-03	2.0054-01	2.5655+05	3.2046-03	1.7720+00
32	455.23	3.6732+00	6.0732-01	1.8775-03	6.0732-01	1.8775-03	1.3136-03	2.9869-02	3.8212+04	4.7674-04	2.4660+00
33	433.70	3.0073+00	4.9133-01	1.4950-03	4.9133-01	1.4950-03	1.0460-03	2.3785-02	3.0428+04	3.7928-04	3.0090+00
34	433.68	1.9029+00	3.0629-01	9.3193-04	3.0629-01	9.3193-04	6.5203-04	1.4827-02	1.8968+04	2.3643-04	3.3930+00
35	441.19	1.3216+00	2.0485-01	6.2672-04	2.0485-01	6.2672-04	4.3849-04	9.9708-03	1.2756+04	1.5905-04	3.7770+00
36	473.94	2.6464+01	4.3652+00	1.3685-02	4.3652+00	1.3685-02	9.5745-03	2.1772-01	2.7853+05	3.4777-03	1.3070+00
37	448.70	3.0566+00	5.0909-01	1.5662-03	5.0909-01	1.5662-03	1.0958-03	2.4917-02	3.1877+04	3.9759-04	2.4660+00
38	434.50	2.8405+00	4.5748-01	1.3928-03	4.5748-01	1.3928-03	9.7448-04	2.2159-02	2.8348+04	3.5337-04	3.0090+00
39	438.06	2.3797+00	3.8191-01	1.1658-03	3.8191-01	1.1658-03	8.1563-04	1.8547-02	2.3727+04	2.9581-04	3.3930+00
40	445.68	1.5688+00	2.5081-01	7.6989-04	2.5081-01	7.6989-04	5.3866-04	1.2249-02	1.5670+04	1.9542-04	3.7770+00
41	453.03	1.0249+00	1.6117-01	4.9743-04	1.6117-01	4.9743-04	3.4803-04	7.9138-03	1.0124+04	1.2630-04	4.1620+00
43	462.56	1.2275+00	2.0457-01	6.3587-04	2.0457-01	6.3587-04	4.4489-04	1.0116-02	1.2942+04	1.6152-04	5.3230+00
47	467.97	9.9049+00	1.6126+00	5.0327-03	1.6126+00	5.0327-03	3.5211-03	8.0067-02	1.0243+05	1.2786-03	7.1100-01
48	462.08	1.8109+01	2.9902+00	9.2909-03	2.9902+00	9.2909-03	6.5004-03	1.4781-01	1.8910+05	2.3599-03	1.0880+00
49	463.17	2.2866+01	3.8010+00	1.1820-02	3.8010+00	1.1820-02	8.2698-03	1.8805-01	2.4057+05	3.0024-03	1.3070+00
50	487.21	3.0623+01	5.2028+00	1.6476-02	5.2028+00	1.6476-02	1.1527-02	2.6212-01	3.3533+05	4.1893-03	1.6410+00
51	480.16	2.0626+01	3.5192+00	1.1084-02	3.5192+00	1.1084-02	7.7552-03	1.7635-01	2.2560+05	2.8176-03	1.7720+00
52	446.77	2.1647+00	3.6111-01	1.1094-03	3.6111-01	1.1094-03	7.7617-04	1.7649-02	2.2579+04	2.8160-04	2.4660+00
53	438.53	2.0327+00	3.2830-01	1.0025-03	3.2830-01	1.0025-03	7.0138-04	1.5949-02	2.0403+04	2.5438-04	3.0090+00
54	445.18	1.8644+00	2.9867-01	9.1708-04	2.9867-01	9.1708-04	6.4164-04	1.4590-02	1.8665+04	2.3277-04	3.3930+00
55	450.84	1.7730+00	2.8012-01	8.6315-04	2.8012-01	8.6315-04	6.0390-04	1.3732-02	1.7568+04	2.1914-04	3.7770+00
56	472.08	5.2182+00	8.1304-01	2.5453-03	8.1304-01	2.5453-03	1.7808-03	4.0494-02	5.1804+04	6.4678-04	4.1100-01
57	485.91	1.7899+01	2.9310+00	9.2722-03	2.9310+00	9.2722-03	6.4873-03	1.4751-01	1.8872+05	2.3575-03	7.1100-01
58	467.05	1.9190+01	3.1793+00	9.9153-03	3.1793+00	9.9153-03	6.9373-03	1.5775-01	2.0181+05	2.5190-03	1.0880+00
59	463.82	1.9785+01	3.2805+00	1.0206-02	3.2805+00	1.0206-02	7.1408-03	1.6238-01	2.0773+05	2.5926-03	1.3070+00
60	469.51	1.8528+01	3.0930+00	9.6643-03	3.0930+00	9.6643-03	6.7616-03	1.5375-01	1.9670+05	2.4555-03	1.6410+00
61	450.17	1.1091+00	1.8063-01	5.5446-04	1.8063-01	5.5446-04	3.8793-04	8.8211-03	1.1285+04	1.4076-04	3.0090+00
62	454.07	1.1865+00	1.9136-01	5.9106-04	1.9136-01	5.9106-04	4.1354-04	9.4034-03	1.2030+04	1.5008-04	3.3930+00
63	458.02	1.3221+00	2.0990-01	6.5024-04	2.0990-01	6.5024-04	4.5494-04	1.0345-02	1.3234+04	1.6513-04	3.7770+00
64	474.86	1.4339+01	2.4378+00	7.6478-03	2.4378+00	7.6478-03	5.3508-03	1.2167-01	1.5566+05	1.9436-03	1.0880+00
65	465.05	1.2822+01	2.1658+00	6.7444-03	2.1658+00	6.7444-03	4.7187-03	1.0730-01	1.3727+05	1.7133-03	1.3070+00
66	468.41	1.4593+01	2.4704+00	7.7124-03	2.4704+00	7.7124-03	5.3960-03	1.2270-01	1.5697+05	1.9595-03	1.6410+00
69	484.47	6.9517+00	1.1894+00	3.7586-03	1.1894+00	3.7586-03	2.6297-03	5.9798-02	7.6500+04	9.5561-04	4.1100-01
70	480.96	1.1112+00	1.8968-01	5.9781-04	1.8968-01	5.9781-04	4.1826-04	9.5108-03	1.2167+04	1.5197-04	7.1100-01
71	484.55	3.2483+00	5.5418-01	1.7514-03	5.5418-01	1.7514-03	1.2253-03	2.7863-02	3.5646+04	4.4528-04	1.3070+00
72	485.42	3.7844+00	6.4791-01	2.0489-03	6.4791-01	2.0489-03	1.4335-03	3.2597-02	4.1702+04	5.2095-04	1.6410+00
73	489.73	2.3709+00	3.9158-01	1.2424-03	3.9158-01	1.2424-03	8.6923-04	1.9766-02	2.5286+04	3.1594-04	3.7770+00
74	486.97	1.5112+00	2.5292-01	8.0078-04	2.5292-01	8.0078-04	5.6026-04	1.2740-02	1.6298+04	2.0361-04	5.3230+00
77	457.32	1.4784+00	2.4624-01	7.6240-04	2.4624-01	7.6240-04	5.3341-04	1.2129-02	1.5517+04	1.9361-04	3.0090+00
78	452.38	1.4504+00	2.3792-01	7.3394-04	2.3792-01	7.3394-04	5.1350-04	1.1677-02	1.4938+04	1.8635-04	3.3930+00
79	449.36	2.1304+00	3.4249-01	1.0542-03	3.4249-01	1.0542-03	7.3756-04	1.6771-02	2.1456+04	2.6762-04	3.7770+00
80	452.82	2.1761+00	3.6560-01	1.1282-03	3.6560-01	1.1282-03	7.8932-04	1.7949-02	2.2962+04	2.8645-04	2.4660+00
81	460.84	1.5377+00	2.5672-01	7.9693-04	2.5672-01	7.9693-04	5.5757-04	1.2679-02	1.6220+04	2.0241-04	3.0090+00
82	457.35	1.8177+00	3.0067-01	9.2908-04	3.0067-01	9.2908-04	6.5003-04	1.4781-02	1.8910+04	2.3594-04	3.3930+00
83	453.92	2.3808+00	3.8861-01	1.2002-03	3.8861-01	1.2002-03	8.3970-04	1.9094-02	2.4427+04	3.0474-04	3.7770+00
337	504.76	1.8230+01	3.4653+00	1.1122-02	3.4653+00	1.1122-02	7.7816-03	1.7695-01	2.2637+05	2.8302-03	7.1680+00
339	479.81	1.0055+01	1.9208+00	6.0482-03	1.9208+00	6.0482-03	4.2317-03	9.6224-02	1.2310+05	1.5374-03	8.1130+00
340	459.62	3.2561+00	6.0065-01	1.8635-03	6.0085-01	1.8635-03	1.3038-03	2.9647-02	3.7928+04	4.7329-04	8.6180+00
342	501.67	1.4709+01	2.8798+00	9.2209-03	2.8798+00	9.2209-03	6.4514-03	1.4670-01	1.8767+05	2.3461-03	7.1680+00
344	478.96	7.4400+00	1.4278+00	4.4932-03	1.4278+00	4.4932-03	3.1437-03	7.1485-02	9.1451+04	1.1421-03	8.1130+00
347	489.20	7.9455+00	1.4952+00	4.7421-03	1.4952+00	4.7421-03	3.3178-03	7.5444-02	9.6516+04	1.2059-03	7.1680+00
349	476.69	5.4494+00	1.0415+00	3.2719-03	1.0415+00	3.2719-03	2.2892-03	5.2054-02	6.6593+04	8.3159-04	8.1130+00
350	463.17	1.2727+00	2.2224-01	6.9109-04	2.2224-01	6.9109-04	4.8352-04	1.0995-02	1.4066+04	1.7555-04	8.6180+00
352	496.41	2.6306+00	4.8544-01	1.5481-03	4.8544-01	1.5481-03	1.0831-03	2.4629-02	3.1508+04	3.9379-04	7.1680+00
354	497.93	3.8701+00	7.4807-01	2.3884-03	7.4807-01	2.3884-03	1.6710-03	3.7998-02	4.8611+04	6.0759-04	8.1130+00
357	505.65	4.6307+00	8.5723-01	2.7533-03	8.5723-01	2.7533-03	1.9263-03	4.3803-02	5.6037+04	7.0064-04	7.1680+00
359	509.23	2.7257+00	4.9604-01	1.5976-03	4.9604-01	1.5976-03	1.1178-03	2.5417-02	3.2517+04	4.0662-04	8.1130+00
401	495.44	1.6310+01	1.3868+00	4.4257-03	1.3888+00	4.4257-03	3.0964-03	7.0410-02	9.0076+04	1.1257-03	4.5500-01
403	472.67	8.6442+00	7.1659-01	2.2443-03	7.1659-01	2.2443-03	1.5702-03	3.5706-02	4.5679+04	5.7032-04	6.8600-01
404	567.28	-1.4296+02	-9.6981-01	-1.7247-03	-9.6981-01	-1.7247-03	-1.2067-03	-2.7439-02	-3.5103+04	-4.2231-04	8.0100-01
405	507.21	7.9216+01	2.4770+00	7.9653-03	2.4770+00	7.9653-03	5.5729-03	1.2672-01	1.6212+05	2.0271-03	1.0510+00
406	533.31	4.2260+01	3.6637+00	1.2025-02	3.6637+00	1.2025-02	8.4132-03	1.9131-01	2.4474+05	3.0638-03	1.1670+00
407	547.84	5.0112+01	4.4614+00	1.4814-02	4.4614+00	1.4814-02	1.0364-02	2.3568-01	3.0150+05	3.7767-03	1.2830+00
408	482.83	1.2515+01	1.0320+00	3.2570-03	1.0320+00	3.2570-03	2.2787-03	5.1817-02	6.6290+04	8.2801-04	5.1300-01
409	463.52	5.8005+00	4.8079-01	1.4955-03	4.8079-01	1.4955-03	1.0463-03	2.3793-02	3.0438+04	3.7988-04	5.7000-01
410	480.36	1.1630+01	9.3999-01	2.9612-03	9.3999-01	2.9612-03	2.0718-03	4.7110-02	6.0269+04	7.5273-04	6.2800-01
411	464.80	6.1039+00	5.0637-01	1.5766-03	5.0637-01	1.5766-03	1.1031-03	2.5082-02	3.2088+04	4.0050-04	6.8600-01
412	490.52	1.2170+01	1.0208+00	3.2408-03	1.0208+00	3.2408-03	2.2674-03	5.1559-02	6.5960+04	8.2416-04	7.4400-01
413	463.76	5.8416+00	4.8715-01	1.5156-03	4.8715-01	1.5156-03	1.0604-03	2.4112-02	3.0846+04	3.8498-04	8.0100-01
414	491.87	1.9327+01	1.6226+00	5.1564-03	1.6226+00	5.1564-03	3.6077-03	8.2036-02	1.0495+05	1.3114-03	8.5900-01
415	460.45	6.4857+00	5.3647-01	1.6649-03	5.3647-01	1.6649-03	1.1648-03	2.6487-02	3.3886+04	4.2286-04	9.1700-01
416	486.96	1.3357+01	1.0442+00	3.3059-03	1.0442+00	3.3059-03	2.3130-03	5.2595-02	6.7285+04	8.4059-04	5.7000-01
417	524.90	3.5009+01	3.0014+00	9.7859-03	3.0014+00	9.7859-03	6.8467-03	1.5569-01	1.9917+05	2.4924-03	1.0520+00

18 1 -3.02 -15.02 .00 -.00 402 1 1.90 10.09 457.2 1732.9

8.43251+01 9.76924-03 6.96666-01 4.54158+03 9.71999-06 6.83033-08 5.42206-02 7.72000+00 7.06089-06 7.46793-02

1	451.84	1.7196+01	2.8786+00	8.8386-03	2.8786+00	8.8386-03	6.2231-03	1.4128-01	1.7940+05	2.2471-03	4.1100-01
2	458.06	4.7316+01	7.9544+00	2.4536-02	7.9544+00	2.4536-02	1.7275-02	3.9220-01	4.9801+05	6.2395-03	7.1100-01
3	457.41	4.1188+01	6.9212+00	2.1339-02	6.9212+00	2.1339-02	1.5024-02	3.4109-01	4.3312+05	5.4263-03	1.3070+00
4	448.33	3.4863+01	5.8221+00	1.7830-02	5.8221+00	1.7830-02	1.2554-02	2.8501-01	3.6191+05	4.5324-03	1.6410+00
5	459.36	2.1076+01	3.7122+00	1.1462-02	3.7122+00	1.1462-02	8.0700-03	1.8321-01	2.3264+05	2.9149-03	1.7720+00
6	489.05	2.5844+00	4.3703-01	1.3798-03	4.3703-01	1.3798-03	9.7148-04	2.2055-02	2.8006+04	3.5136-04	2.4660+00
7	486.28	3.2312+00	5.4379-01	1.7132-03	5.4379-01	1.7132-03	1.2063-03	2.7385-02	3.4774+04	4.3621-04	3.0090+00
8	484.03	4.2769+00	7.1230-01	2.2403-03	7.1230-01	2.2403-03	1.5774-03	3.5811-02	4.5472+04	5.7036-04	3.3930+00
9	481.22	4.6551+00	7.7386-01	2.4288-03	7.7386-01	2.4288-03	1.7100-03	3.8823-02	4.9297+04	6.1826-04	3.7770+00
10	477.83	4.6899+00	7.8024-01	2.4425-03	7.8024-01	2.4425-03	1.7197-03	3.9043-02	4.9577+04	6.2167-04	5.3230+00
14	449.50	4.2228+01	7.0577+00	2.1633-02	7.0577+00	2.1633-02	1.5231-02	3.4579-01	4.3909+05	5.4992-03	1.6880+00
15	447.34	3.1566+01	5.2680+00	1.6122-02	5.2680+00	1.6122-02	1.1351-02	2.5770-01	3.2723+05	4.0979-03	1.3070+00
16	458.27	4.0426+01	6.7971+00	2.0970-02	6.7971+00	2.0970-02	1.4764-02	3.3519-01	4.2563+05	5.3327-03	1.6410+00
19	463.36	3.4710+01	5.3253+00	1.6491-02	5.3253+00	1.6491-02	1.1611-02	2.6361-01	3.3473+05	4.1947-03	4.1100-01
20	437.83	2.1463+01	3.3919+00	1.0308-02	3.3919+00	1.0308-02	7.2577-03	1.6477-01	2.0923+05	2.6191-03	7.1100-01
21	433.46	3.1432+01	5.0281+00	1.5232-02	5.0281+00	1.5232-02	1.0725-02	2.4348-01	3.0917+05	3.8695-03	1.0880+00
22	437.96	2.5475+01	4.1128+00	1.2500-02	4.1128+00	1.2500-02	8.8010-03	1.9961-01	2.5372+05	3.1760-03	1.3070+00
23	443.47	5.3506-02	8.5412-03	2.6064-05	8.5412-03	2.6064-05	1.8351-05	4.1663-04	5.2904+02	6.6241-06	1.6410+00
24	464.10	1.9382+00	3.1856-01	9.8703-04	3.1856-01	9.8703-04	6.9495-04	1.5777-02	2.0034+04	2.5107-04	3.0090+00
25	467.13	1.7252+00	2.7730-01	8.6115-04	2.7730-01	8.6115-04	6.0642-04	1.3765-02	1.7479+04	2.1908-04	3.3930+00
26	471.19	2.3179+00	3.7568-01	1.1708-03	3.7588-01	1.1708-03	8.2437-04	1.8716-02	2.3765+04	2.9792-04	3.7770+00
27	459.52	6.5579+01	1.0519+01	3.2483-02	1.0519+01	3.2483-02	2.2871-02	5.1923-01	6.5931+05	8.2610-03	7.1100-01
28	438.40	3.9331+01	6.3136+00	1.9195-02	6.3136+00	1.9195-02	1.3515-02	3.0663-01	3.8961+05	4.8773-03	1.0880+00
29	442.23	2.4331+01	3.9752+00	1.2120-02	3.9752+00	1.2120-02	8.5333-03	1.9373-01	2.4600+05	3.0800-03	1.3070+00
30	467.79	2.2502+01	3.7521+00	1.1658-02	3.7521+00	1.1658-02	8.2081-03	1.8635-01	2.3663+05	2.9659-03	1.6410+00
31	483.87	1.4289+01	2.4439+00	7.6857-03	2.4439+00	7.6857-03	5.4113-03	1.2285-01	1.5600+05	1.9567-03	1.7720+00
32	472.95	3.2821+00	5.4915-01	1.7128-03	5.4915-01	1.7128-03	1.2060-03	2.7379-02	3.4766+04	4.3586-04	2.4660+00
33	462.69	1.6229+00	2.7048-01	8.3719-04	2.7048-01	8.3719-04	5.8945-04	1.3382-02	1.6993+04	2.1294-04	3.0090+00
34	465.57	1.2156+00	1.9999-01	6.2034-04	1.9999-01	6.2034-04	4.3677-04	9.9159-03	1.2591+04	1.5780-04	3.3930+00
35	469.84	1.4457+00	2.2850-01	7.1104-04	2.2850-01	7.1104-04	5.0063-04	1.1366-02	1.4432+04	1.8091-04	3.7770+00
36	445.57	1.8964+01	3.0685+00	9.3783-03	3.0685+00	9.3783-03	6.6031-03	1.4991-01	1.9035+05	2.3836-03	1.3070+00
37	463.80	3.0514+00	5.1347-01	1.5906-03	5.1347-01	1.5906-03	1.1199-03	2.5426-02	3.2285+04	4.0460-04	2.4660+00
38	461.91	1.8940+00	3.1084-01	9.6155-04	3.1084-01	9.6155-04	6.7701-04	1.5370-02	1.9517+04	2.4457-04	3.0090+00
39	465.45	1.2608+00	2.0616-01	6.3943-04	2.0616-01	6.3943-04	4.5021-04	1.0221-02	1.2979+04	1.6266-04	3.3930+00
40	469.96	8.1610-01	1.3264-01	4.1278-04	1.3264-01	4.1278-04	2.9063-04	6.5981-03	8.3783+03	1.0502-04	3.7770+00
41	475.23	1.0582+00	1.6890-01	5.2772-04	1.6890-01	5.2772-04	3.7156-04	8.4354-03	1.0711+04	1.3430-04	4.1620+00
43	480.77	1.4068+00	2.3730-01	7.4451-04	2.3730-01	7.4451-04	5.2420-04	1.1901-02	1.5112+04	1.8952-04	5.3230+00
47	448.06	1.5043+01	2.4162+00	7.3981-03	2.4162+00	7.3981-03	5.2088-03	1.1826-01	1.5016+05	1.8865-03	7.1100-01
48	460.48	3.3521+01	5.5290+00	1.7085-02	5.5290+00	1.7085-02	1.2030-02	2.7311-01	3.4679+05	4.3453-03	1.0880+00
49	463.18	2.1336+01	3.5466+00	1.0982-02	3.5466+00	1.0982-02	7.7319-03	1.7554-01	2.2290+05	2.7932-03	1.3070+00
50	475.35	1.5002+01	2.5290+00	7.9021-03	2.5290+00	7.9021-03	5.5637-03	1.2631-01	1.6039+05	2.0110-03	1.6410+00
51	476.84	1.0522+01	1.7913+00	5.6034-03	1.7913+00	5.6034-03	3.9452-03	8.9568-02	1.1373+05	1.4261-03	1.7720+00
52	461.83	3.0634+00	5.1631-01	1.5971-03	5.1631-01	1.5971-03	1.1245-03	2.5528-02	3.2416+04	4.0620-04	2.4660+00
53	464.48	1.7455+00	2.8695-01	8.8936-04	2.8695-01	8.8936-04	6.2618-04	1.4216-02	1.8052+04	2.2623-04	3.0090+00
54	470.12	9.9117-01	1.6160-01	5.0296-04	1.6160-01	5.0296-04	3.5413-04	8.0397-03	1.0209+04	1.2797-04	3.3930+00
55	474.54	6.8831-01	1.1050-01	3.4506-04	1.1050-01	3.4506-04	2.4295-04	5.5157-03	7.0039+03	8.7813-05	3.7770+00
56	448.96	4.9605+00	7.6091-01	2.3314-03	7.6091-01	2.3314-03	1.6415-03	3.7266-02	4.7321+04	5.9264-04	4.1100-01
57	450.14	9.3319+00	1.4919+00	4.5752-03	1.4919+00	4.5752-03	3.2213-03	7.3133-02	9.2864+04	1.1631-03	7.1100-01
58	459.40	1.7121+01	2.8218+00	8.7129-03	2.8218+00	8.7129-03	6.1345-03	1.3927-01	1.7685+05	2.2158-03	1.0880+00
59	468.70	1.7698+01	2.9441+00	9.1535-03	2.9441+00	9.1535-03	6.4448-03	1.4632-01	1.8579+05	2.3288-03	1.3070+00
60	471.55	1.3581+01	2.2702+00	7.0734-03	2.2702+00	7.0734-03	4.9802-03	1.1307-01	1.4357+05	1.7998-03	1.6410+00
61	470.91	2.3548+00	3.8763-01	1.2072-03	3.8763-01	1.2072-03	8.4996-04	1.9297-02	2.4503+04	3.0716-04	3.0090+00
62	474.03	1.1325+00	1.8512-01	5.7786-04	1.8512-01	5.7786-04	4.0686-04	9.2368-03	1.1729+04	1.4705-04	3.3930+00
63	477.23	7.7922-01	1.2532-01	3.9213-04	1.2532-01	3.9213-04	2.7609-04	6.2680-03	7.9591+03	9.9801-05	3.7770+00
64	463.46	1.1613+01	1.9594+00	6.0683-03	1.9594+00	6.0683-03	4.2726-03	9.7000-02	1.2317+05	1.5435-03	1.0880+00
65	467.92	9.5756+00	1.6205+00	5.0354-03	1.6205+00	5.0354-03	3.5453-03	8.0489-02	1.0220+05	1.2811-03	1.3070+00
66	473.39	1.2327+01	2.0937+00	6.5325-03	2.0937+00	6.5325-03	4.5994-03	1.0442-01	1.3259+05	1.6623-03	1.6410+00
69	454.77	2.2623+00	3.7948-01	1.1677-03	3.7948-01	1.1677-03	8.2214-04	1.8665-02	2.3701+04	2.9690-04	4.1100-01
70	469.08	6.5714-01	1.1130-01	3.4613-04	1.1130-01	3.4613-04	2.4371-04	5.5328-03	7.0256+03	8.8064-05	7.1100-01
71	486.74	1.7517+00	2.9928-01	9.4322-04	2.9928-01	9.4322-04	6.6410-04	1.5077-02	1.9145+04	2.4016-04	1.3070+00
72	489.49	3.3709+00	5.7865-01	1.8275-03	5.7865-01	1.8275-03	1.2867-03	2.9212-02	3.7094+04	4.6538-04	1.6410+00
73	497.41	2.1325+00	3.5395-01	1.1246-03	3.5395-01	1.1246-03	7.9184-04	1.7977-02	2.2827+04	2.8649-04	1.7770+00
74	497.68	2.2452+00	3.7840-01	1.2026-03	3.7840-01	1.2026-03	8.4669-04	1.9222-02	2.4409+04	3.0634-04	5.3230+00
77	482.10	2.3953+00	4.0561-01	1.2738-03	4.0561-01	1.2738-03	8.9689-04	2.0362-02	2.5856+04	3.2428-04	3.0090+00
78	475.54	3.3590+00	5.5965-01	1.7490-03	5.5965-01	1.7490-03	1.2314-03	2.7957-02	3.5499+04	4.4510-04	3.3930+00
79	472.82	4.0104+00	6.5503-01	2.0429-03	6.5503-01	2.0429-03	1.4383-03	3.2654-02	4.1465+04	5.1984-04	3.7770+00
80	489.74	2.5501+00	4.3911-01	1.3871-03	4.3911-01	1.3871-03	9.7661-04	2.2172-02	2.8154+04	3.5322-04	2.4660+00
81	485.14	2.9875+00	5.0690-01	1.5956-03	5.0690-01	1.5956-03	1.1234-03	2.5506-02	3.2387+04	4.0625-04	3.0090+00
82	481.98	3.8717+00	6.4975-01	2.0404-03	6.4975-01	2.0404-03	1.4366-03	3.2616-02	4.1415+04	5.1943-04	3.3930+00
83	478.87	4.5901+00	7.6188-01	2.3869-03	7.6188-01	2.3869-03	1.6806-03	3.8155-02	4.8449+04	6.0755-04	3.7770+00
337	546.68	1.8091+01	3.5296+00	1.1655-02	3.5296+00	1.1655-02	8.2060-03	1.8630-01	2.3656+05	2.9755-03	7.1680+00
339	520.22	1.7596+01	3.4497+00	1.1156-02	3.4497+00	1.1156-02	7.8546-03	1.7832-01	2.2643+05	2.8447-03	8.1130+00
340	489.99	6.5574+00	1.2347+00	3.9008-03	1.2347+00	3.9008-03	2.7465-03	6.2394-02	7.9177+04	9.9337-04	8.6180+00
342	534.08	1.5646+01	3.1262+00	1.0220-02	3.1262+00	1.0220-02	7.1958-03	1.6337-01	2.0744+05	2.6078-03	7.1680+00
344	509.23	1.2848+01	2.5144+00	8.0623-03	2.5144+00	8.0623-03	5.6765-03	1.2887-01	1.6364+05	2.0549-03	8.1130+00
347	516.77	9.1600+00	1.7545+00	5.6585-03	1.7545+00	5.6585-03	3.9840-03	9.0449-02	1.1485+05	1.4427-03	7.1680+00
349	499.56	5.0426+00	9.7826-01	3.1134-03	9.7826-01	3.1134-03	2.1921-03	4.9767-02	6.3194+04	7.9319-04	8.1130+00
350	482.24	9.2104-01	1.6288-01	5.1159-04	1.6288-01	5.1159-04	3.6020-04	8.1776-03	1.0384+04	1.3024-04	8.6180+00
352	509.91	1.4255+00	2.6532-01	8.5117-04	2.6532-01	8.5117-04	5.9929-04	1.3606-02	1.7276+04	2.1695-04	7.1680+00
354	511.26	1.7922+00	3.4938-01	1.1220-03	3.4938-01	1.1220-03	7.8998-04	1.7935-02	2.2774+04	2.8600-04	8.1130+00
357	520.83	4.6992+00	8.7830-01	2.8417-03	8.7830-01	2.8417-03	2.0008-03	4.5423-02	5.7678+04	7.2463-04	7.1680+00
359	518.63	5.2608+00	9.6307-01	3.1106-03	9.6307-01	3.1106-03	2.1901-03	4.9721-02	6.3136+04	7.9313-04	8.1130+00
401	499.88	7.5085+01	6.4121+00	2.0412-02	6.4121+00	2.0412-02	1.4372-02	3.2628-01	4.1431+05	5.2003-03	4.5500-01
403	478.47	3.7629+01	3.1314+00	9.8077-03	3.1314+00	9.8077-03	6.9054-03	1.5677-01	1.9907+05	2.4963-03	6.8600-01
404	394.13	-2.6635+01	-2.1023+00	-6.1918-03	-2.1023+00	-6.1918-03	-4.3595-03	-9.8974-02	-1.2568+05	-1.5703-03	8.0100-01
405	506.93	7.9464+01	6.7361+00	2.1560-02	6.7361+00	2.1560-02	1.5180-02	3.4463-01	4.3761+05	5.4945-03	1.0510+00
406	494.27	7.4555+01	6.3063+00	1.9989-02	6.3063+00	1.9989-02	1.4074-02	3.1952-01	4.0573+05	5.0914-03	1.1670+00
407	492.58	7.0885+01	6.0963+00	1.9299-02	6.0963+00	1.9299-02	1.3588-02	3.0849-01	3.9172+05	4.9151-03	1.2830+00
408	471.61	3.4017+01	2.7842+00	8.6754-03	2.7842+00	8.6754-03	6.1082-03	1.3867-01	1.7609+05	2.2075-03	5.1300-01
409	449.56	4.3694+00	3.5874-01	1.0997-03	3.5874-01	1.0997-03	7.7424-04	1.7578-02	2.2320+04	2.7954-04	5.7000-01
410	470.19	2.5420+01	2.0409+00	6.3523-03	2.0409+00	6.3523-03	4.4725-03	1.0154-01	1.2893+05	1.6163-03	6.2800-01
411	453.39	4.7860+00	3.9398-01	1.2111-03	3.9398-01	1.2111-03	8.5269-04	1.9359-02	2.4582+04	3.0792-04	6.8600-01
412	478.43	3.1101+01	2.5881+00	8.1058-03	2.5881+00	8.1058-03	5.7072-03	1.2957-01	1.6453+05	2.0632-03	7.4400-01
413	453.73	6.3345+00	5.2468-01	1.6133-03	5.2468-01	1.6133-03	1.1359-03	2.5787-02	3.2745+04	4.1018-04	8.0100-01
414	487.30	5.3936+01	4.5146+00	1.4234-02	4.5146+00	1.4234-02	1.0022-02	2.2753-01	2.8892+05	3.6244-03	8.5900-01
415	457.05	8.8779+00	7.3265-01	2.2582-03	7.3265-01	2.2582-03	1.5903-03	3.6097-02	4.5836+04	5.7425-04	9.1700-01
416	476.65	3.2008+01	2.4852+00	7.7731-03	2.4852+00	7.7731-03	5.4729-03	1.2425-01	1.5777+05	1.9783-03	5.7000-01
417	497.61	6.7452+01	5.6838+00	1.8062-02	5.6838+00	1.8062-02	1.2717-02	2.8872-01	3.6661+05	4.6012-03	1.0520+00

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8.43432+01 9.76894-03 6.96644-01 4.54207+03 9.71761-06 6.83180-08 5.42015-02 7.72000+00 7.06260-06 7.46771-02

1	456.43	1.8424+01	3.0939+00	9.5361-03	3.0939+00	9.5361-03	6.7151-03	1.5243-01	1.9351+05	2.4231-03	4.1100-01
2	470.23	4.8092+01	8.1514+00	7.5384-02	8.1514+00	2.5384-02	1.7875-02	4.0576-01	5.1511+05	6.4540-03	7.1100-01
3	467.14	3.9014+01	6.5990+00	2.0502-02	6.5990+00	2.0502-02	1.4437-02	3.2772-01	4.1604+05	5.2121-03	1.3070+00
4	456.97	3.4839+01	5.8526+00	1.8046-02	5.8526+00	1.8046-02	1.2708-02	2.8847-01	3.6621+05	4.5858-03	1.6410+00
5	464.69	2.1060+01	3.7263+00	1.1556-02	3.7263+00	1.1556-02	8.1374-03	1.8472-01	2.3450+05	2.9374-03	1.7720+00
6	489.70	2.5875+00	4.3774-01	1.3833-03	4.3774-01	1.3833-03	9.7411-04	2.2112-02	2.8071+04	3.5201-04	2.4660+00
7	487.05	3.1361+00	5.2806-01	1.6654-03	5.2806-01	1.6654-03	1.1727-03	2.6621-02	3.3795+04	4.2374-04	3.0090+00
8	485.05	4.2088+00	7.0144-01	2.2089-03	7.0144-01	2.2089-03	1.5554-03	3.5308-02	4.4823+04	5.6197-04	3.3930+00
9	482.36	4.6483+00	7.7332-01	2.4302-03	7.7332-01	2.4302-03	1.7113-03	3.8847-02	4.9316+04	6.1822-04	3.7770+00
10	478.98	4.6353+00	7.7175-01	2.4191-03	7.7175-01	2.4191-03	1.7035-03	3.8669-02	4.9090+04	6.1530-04	5.3230+00
14	460.11	4.1721+01	7.0236+00	2.1768-02	7.0236+00	2.1708-02	1.5286-02	3.4699-01	4.4050+05	5.5168-03	1.0880+00
15	454.76	2.9929+01	5.0201+00	1.5454-02	5.0201+00	1.5454-02	1.0882-02	2.4703-01	3.1360+05	3.9267-03	1.3070+00
16	468.02	3.9011+01	6.6024+00	2.0526-02	6.6024+00	2.0526-02	1.4454-02	3.2811-01	4.1653+05	5.2184-03	1.6410+00
19	472.03	3.3798+01	5.7156+00	1.6264-02	5.7156+00	1.6264-02	1.1453-02	2.5997-01	3.3003+05	4.1355-03	4.1100-01
20	443.77	2.3777+01	3.7732+00	1.1522-02	3.7732+00	1.1522-02	8.1134-03	1.8417-01	2.3380+05	2.9262-03	7.1100-01
21	441.45	3.1455+01	5.0600+00	1.5425-02	5.0600+00	1.5425-02	1.0862-02	2.4656-01	3.1301+05	3.9171-03	1.0880+00
22	444.02	2.4278+01	3.9361+00	1.2022-02	3.9361+00	1.2022-02	8.4653-03	1.9216-01	2.4395+05	3.0531-03	1.3070+00
23	443.49	3.1166-02	4.9751-03	1.5189-05	4.9751-03	1.5189-05	1.0696-05	2.4279-04	3.0822+02	3.8574-06	1.6410+00
24	464.58	1.8873+00	3.1029-01	9.6219-04	3.1029-01	9.6219-04	6.7755-04	1.5380-02	1.9525+04	2.4458-04	3.0090+00
25	467.51	1.5927+00	2.5607-01	7.9581-04	2.5607-01	7.9581-04	5.6039-04	1.2721-02	1.6149+04	2.0231-04	3.3930+00
26	471.70	2.2026+00	3.5731-01	1.1139-03	3.5731-01	1.1139-03	7.8439-04	1.7805-02	2.2604+04	2.8323-04	3.7770+00
27	476.79	6.5635+01	1.0651+01	3.3331-02	1.0651+01	3.3331-02	2.3471-02	5.3278-01	6.7636+05	8.4768-03	7.1100-01
28	448.52	3.9546+01	6.3926+00	1.9589-02	6.3926+00	1.9589-02	1.3794-02	3.1312-01	3.9750+05	4.9759-03	1.0880+00
29	448.25	2.3956+01	3.9303+00	1.2041-02	3.9303+00	1.2041-02	8.4791-03	1.9247-01	2.4434+05	3.0586-03	1.3070+00
30	473.25	2.2249+01	3.7235+00	1.1621-02	3.7235+00	1.1621-02	8.1836-03	1.8577-01	2.3583+05	2.9552-03	1.6410+00
31	487.25	1.3790+01	2.3638+00	7.4560-03	2.3638+00	7.4560-03	5.2503-03	1.1918-01	1.5130+05	1.8971-03	1.7720+00
32	473.78	3.3688+00	5.6398-01	1.7610-03	5.6398-01	1.7610-03	1.2400-03	2.8148-02	3.5734+04	4.4780-04	2.4660+00
33	463.08	1.6561+00	2.7609-01	8.5519-04	2.7609-01	8.5519-04	6.0220-04	1.3670-02	1.7354+04	2.1737-04	3.0090+00
34	465.85	1.1642+00	1.9956-01	5.9459-04	1.9956-01	5.9459-04	4.1870-04	9.5044-03	1.2066+04	1.5115-04	3.3930+00
35	470.16	1.3330+00	2.1073-01	6.5619-04	2.1073-01	6.5619-04	4.6207-04	1.0489-02	1.3316+04	1.6684-04	3.7770+00
36	450.22	1.8693+01	3.0344+00	9.3098-03	3.0344+00	9.3098-03	6.9558-03	1.4681-01	1.8892+05	2.3650-03	1.3070+00
37	464.57	3.1086+00	5.2336-01	1.6229-03	5.2336-01	1.6229-03	1.1428-03	2.5941-02	3.2932+04	4.1252-04	2.4660+00
38	462.37	1.8530+00	3.0420-01	9.4175-04	3.0420-01	9.4175-04	6.6316-04	1.5054-02	1.9110+04	2.3936-04	3.0090+00
39	465.66	1.1304+00	1.8487-01	5.7373-04	1.8487-01	5.7373-04	4.0401-04	9.1708-03	1.1642+04	1.4584-04	3.3930+00
40	470.17	7.9948-01	1.2995-01	4.0467-04	1.2995-01	4.0467-04	2.8496-04	6.4685-03	8.2117+03	1.0289-04	3.7770+00
41	475.48	1.0036+00	1.6022-01	5.0092-04	1.6022-01	5.0092-04	3.5273-04	8.0070-03	1.0165+04	1.2739-04	4.1620+00
43	481.12	1.4187+00	2.3937-01	7.5155-04	2.3937-01	7.5155-04	5.2923-04	1.2013-02	1.5251+04	1.9117-04	5.3230+00
47	451.86	1.4970+01	2.4108+00	7.4054-03	2.4108+00	7.4054-03	5.2147-03	1.1837-01	1.5027+05	1.8814-03	7.1100-01
48	469.09	3.4714+01	5.7591+00	1.7919-02	5.7591+00	1.7919-02	1.2618-02	2.8643-01	3.6362+05	4.5557-03	1.0880+00
49	468.58	2.1393+01	3.5690+00	1.1100-02	3.5690+00	1.1100-02	7.8167-03	1.7744-01	2.2525+05	2.8221-03	1.3070+00
50	479.08	1.5026+01	2.5393+00	7.9605-03	2.5393+00	7.9605-03	5.6056-03	1.2725-01	1.6154+05	2.0247-03	1.6410+00
51	479.42	1.0340+01	1.7633+00	5.5292-03	1.7633+00	5.5292-03	3.8936-03	8.8383-02	1.1220+05	1.4064-03	1.7720+00
52	462.62	3.1361+00	5.2884-01	1.6375-03	5.2884-01	1.6375-03	1.1531-03	2.6175-02	3.3229+04	4.1621-04	2.4660+00
53	464.93	1.7429+00	2.8661-01	8.8900-04	2.8661-01	8.8900-04	6.2601-04	1.4210-02	1.8040+04	2.2598-04	3.0090+00
54	470.35	9.9844-01	1.6281-01	5.0705-04	1.6281-01	5.0705-04	3.5705-04	8.1050-03	1.0289+04	1.2892-04	3.3930+00
55	474.72	7.3039-01	1.1727-01	3.6641-04	1.1727-01	3.6641-04	2.5802-04	5.8570-03	7.4354+03	9.3180-05	3.7770+00
56	450.15	4.8265+00	7.4096-01	2.2732-03	7.4096-01	2.2732-03	1.6008-03	3.6337-02	4.6129+04	5.7748-04	4.1100-01
57	452.41	9.3340+00	1.4946+00	4.5930-03	1.4946+00	4.5930-03	3.2343-03	7.3418-02	9.3203+04	1.1669-03	7.1100-01
58	463.82	1.7661+01	2.9196+00	9.0483-03	2.9156+00	9.0483-03	6.3716-03	1.4463-01	1.8361+05	2.2999-03	1.0880+00
59	473.15	1.7785+01	2.9674+00	9.2610-03	2.9674+00	9.2610-03	6.5214-03	1.4803-01	1.8793+05	2.3549-03	1.3070+00
60	474.90	1.3378+01	2.2413+00	7.0041-03	2.2413+00	7.0041-03	4.9321-03	1.1196-01	1.4213+05	1.7812-03	1.6410+00
61	471.49	2.3517+00	3.8727-01	1.2071-03	3.8727-01	1.2071-03	8.5002-04	1.9295-02	2.4495+04	3.0693-04	3.0090+00
62	474.29	1.1190+00	1.8294-01	5.7144-04	1.8294-01	5.7144-04	4.0239-04	9.1342-03	1.1596+04	1.4532-04	3.3930+00
63	477.41	7.1792-01	1.1547-01	3.6154-04	1.1547-01	3.6154-04	2.5459-04	5.7790-03	7.3364+03	9.1950-05	3.7770+00
64	466.33	1.1479+01	1.9405+00	6.0254-03	1.9405+00	6.0254-03	4.2429-03	9.6314-02	1.2227+05	1.5317-03	1.0880+00
65	470.29	9.6668+00	1.6375+00	5.0996-03	1.6375+00	5.0996-03	3.5910-03	8.1515-02	1.0348+05	1.2966-03	1.3070+00
66	476.48	1.2389+01	2.1086+00	6.5973-03	2.1086+00	6.5973-03	4.6457-03	1.0546-01	1.3388+05	1.6778-03	1.6410+00
69	455.35	2.4078+00	4.0404-01	1.2443-03	4.0404-01	1.2443-03	8.7624-04	1.9890-02	2.5251+04	3.1618-04	4.1100-01
70	469.22	5.7922-01	9.8108-02	3.0528-04	9.8108-02	3.0528-04	2.1497-04	4.8799-03	6.1950+03	7.7616-05	7.1100-01
71	487.12	1.6068+00	2.7458-01	8.6604-04	2.7458-01	8.6604-04	6.0984-04	1.3843-02	1.7574+04	2.2035-04	1.3070+00
72	490.26	3.2447+00	5.5726-01	1.7618-03	5.5726-01	1.7618-03	1.2406-03	2.8162-02	3.5751+04	4.4833-04	1.6410+00
73	497.98	2.1590+00	3.5848-01	1.1401-03	3.5848-01	1.1401-03	8.0280-04	1.8223-02	2.3134+04	2.9021-04	3.7770+00
74	498.24	2.1709+00	3.6601-01	1.1642-03	3.6601-01	1.1642-03	8.1981-04	1.8609-02	2.3625+04	2.9636-04	5.3230+00
77	482.63	2.3153+00	3.9220-01	1.2328-03	3.9220-01	1.2328-03	8.6811-04	1.9706-02	2.5016+04	3.1361-04	3.0090+00
78	476.36	3.2094+00	5.3501-01	1.6737-03	5.3501-01	1.6737-03	1.1786-03	2.6754-02	3.3964+04	4.2567-04	3.3930+00
79	473.81	3.9465+00	6.4502-01	2.0140-03	6.4502-01	2.0140-03	1.4182-03	3.2194-02	4.0870+04	5.1216-04	3.7770+00
80	490.39	2.5439+00	4.3822-01	1.3856-03	4.3822-01	1.3856-03	9.7569-04	2.2148-02	2.8117+04	3.5259-04	2.4660+00
81	485.86	2.9787+00	5.0564-01	1.5933-03	5.0564-01	1.5933-03	1.1219-03	2.5468-02	3.2331+04	4.0537-04	3.0090+00
82	482.91	3.7912+00	6.3663-01	2.0015-03	6.3663-01	2.0015-03	1.4094-03	3.1994-02	4.0616+04	5.0917-04	3.3930+00
83	480.62	4.5958+00	7.6341-01	2.3949-03	7.6341-01	2.3949-03	1.6864-03	3.8281-02	4.8598+04	6.0916-04	3.7770+00
337	551.20	1.8085+01	3.5380+00	1.1730-02	3.5380+00	1.1730-02	8.2603-03	1.8751-01	2.3804+05	2.9931-03	7.1680+00
339	524.59	1.7569+01	3.4538+00	1.1213-02	3.4538+00	1.1213-02	7.8957-03	1.7923-01	2.2753+05	2.8576-03	8.1130+00
340	491.64	6.6052+00	1.2450+00	3.9402-03	1.2450+00	3.9402-03	2.7746-03	6.2983-02	7.9956+04	1.0027-03	8.6180+00
342	538.00	1.5607+01	3.1258+00	1.0255-02	3.1258+00	1.0255-02	7.2217-03	1.6393-01	2.0811+05	2.6152-03	7.1680+00
344	512.40	1.2673+01	2.4852+00	7.9916-03	2.4852+00	7.9916-03	5.6275-03	1.2774-01	1.6217+05	2.0356-03	8.1130+00
347	519.03	9.1049+00	1.7464+00	5.6450-03	1.7464+00	5.6450-03	3.9751-03	9.0234-02	1.1455+05	1.4383-03	7.1680+00
349	500.72	4.7647+00	9.2504-01	2.9480-03	9.2504-01	2.9480-03	2.0759-03	4.7123-02	5.9822+04	7.5053-04	8.1130+00
350	482.46	9.5377-01	1.6869-01	5.3018-04	1.6869-01	5.3018-04	3.7334-04	8.4747-03	1.0759+04	1.3487-04	8.6180+00
352	510.21	1.2208+00	2.2727-01	7.2960-04	2.2727-01	7.2960-04	5.1377-04	1.1662-02	1.4805+04	1.8583-04	7.1680+00
354	511.63	1.6660+00	3.2485-01	1.0440-03	3.2485-01	1.0440-03	7.3517-04	1.6688-02	2.1185+04	2.6592-04	8.1130+00
357	521.91	4.4088+00	8.2459-01	2.6714-03	8.2459-01	2.6714-03	1.8811-03	4.2701-02	5.4208+04	6.8073-04	7.1680+00
359	519.96	5.3283+00	9.7625-01	3.1579-03	9.7625-01	3.1579-03	2.2237-03	5.0478-02	6.4081+04	8.0465-04	8.1130+00
401	517.95	6.9743+01	6.0284+00	1.9471-02	6.0284+00	1.9471-02	1.3711-02	3.1124-01	3.9512+05	4.9609-03	4.5500-01
403	487.24	3.4606+01	2.8965+00	9.1362-03	2.8965+00	9.1362-03	6.4335-03	1.4604-01	1.8540+05	2.3246-03	6.8600-01
404	390.59	-1.5649+01	-1.2319+00	-3.6209-03	-1.2319+00	-3.6209-03	-2.5497-03	-5.7878-02	-7.3476+04	-9.1755-04	8.0100-01
405	525.64	7.2951+01	6.2572+00	2.0330-02	6.2572+00	2.0330-02	1.4316-02	3.2497-01	4.1255+05	5.1815-03	1.0510+00
406	512.47	7.0406+01	6.0252+00	1.9377-02	6.0252+00	1.9377-02	1.3645-02	3.0973-01	3.9320+05	4.9356-03	1.1670+00
407	509.68	6.6538+01	5.7855+00	1.8566-02	5.7855+00	1.8566-02	1.3074-02	2.9677-01	3.7674+05	4.7285-03	1.2830+00
408	480.02	3.3977+01	2.7965+00	8.7730-03	2.7965+00	8.7730-03	6.1777-03	1.4023-01	1.7802+05	2.2315-03	5.1300-01
409	450.67	4.4452+00	3.6525-01	1.1210-03	3.6525-01	1.1210-03	7.8938-04	1.7919-02	2.2748+04	2.8478-04	5.7000-01
410	476.43	2.5316+01	2.0409+00	6.3852-03	2.0409+00	6.3852-03	4.4963-03	1.0207-01	1.2957+05	1.6239-03	6.2830-01
411	454.70	5.4644+00	4.5023-01	1.3859-03	4.5023-01	1.3859-03	9.7594-04	2.2154-02	2.8124+04	3.5215-04	6.8600-01
412	486.48	3.2396+01	2.7102+00	8.5437-03	2.7102+00	8.5437-03	6.0162-03	1.3657-01	1.7337+05	2.1738-03	7.4400-01
413	455.47	7.4857+00	6.2077-01	1.9120-03	6.2077-01	1.9120-03	1.3464-03	3.0563-02	3.8799+04	4.8582-04	8.0100-01
414	500.77	5.3171+01	4.4895+00	1.4308-02	4.4895+00	1.4308-02	1.0076-02	2.2871-01	2.9035+05	3.6427-03	8.5900-01
415	459.39	9.7361+00	8.0475-01	2.4859-03	8.0475-01	2.4859-03	1.7505-03	3.9736-02	5.0444+04	6.3175-04	9.1700-01
416	484.59	3.1512+01	2.4595+00	7.7424-03	2.4595+00	7.7424-03	5.4520-03	1.2376-01	1.5711+05	1.9697-03	5.7000-01
417	514.40	6.6410+01	5.6561+00	1.8217-02	5.6561+00	1.8217-02	1.2828-02	2.9119-01	3.6967+05	4.6406-03	1.0520+00

18 1 -3.04 -15.04 .00 -.00 402 1 2.40 10.09 457.7 1733.8

8.43702+01 9.76848-03 6.96612-01 4.54280+03 9.71404-06 6.83399-08 5.41729-02 7.72000+00 7.06517-06 7.46739-02

1	461.12	1.8962+01	3.1944+00	9.8787-03	3.1944+00	9.8787-03	6.9578-03	1.5791-01	2.0039+05	2.5101-03	4.1100-01	
2	482.27	4.7755+01	8.1590+00	2.5635-02	8.1590+00	2.5635-02	1.8055-02	4.0977-01	5.2001+05	6.5195-03	7.1100-01	
3	476.78	3.8460+01	6.5472+00	2.0486-02	6.5472+00	2.0486-02	1.4429-02	3.2746-01	4.1556+05	5.2088-03	1.3070+00	
4	465.74	3.4980+01	5.9112+00	1.8343-02	5.9112+00	1.8343-02	1.2920-02	2.9321-01	3.7210+05	4.6618-03	1.6410+00	
5	469.92	2.0872+01	3.7024+00	1.1525-02	3.7024+00	1.1525-02	8.1174-03	1.8422-01	2.3379+05	2.9295-03	1.7720+00	
6	490.33	2.6161+00	4.4276-01	1.3996-03	4.4276-01	1.3996-03	9.8580-04	2.2373-02	2.8392+04	3.5608-04	2.4660+00	
7	487.83	3.1294+00	5.2719-01	1.6634-03	5.2719-01	1.6634-03	1.1716-03	2.6589-02	3.3742+04	4.2313-04	3.0090+00	
8	486.10	4.2016+00	7.0071-01	2.2080-03	7.0071-01	2.2080-03	1.5551-03	3.5294-02	4.4789+04	5.6163-04	3.3930+00	
9	483.53	4.6286+00	7.7062-01	2.4235-03	7.7062-01	2.4235-03	1.7070-03	3.8740-02	4.9162+04	6.1639-04	3.7770+00	
10	480.12	4.5855+00	7.6402-01	2.3966-03	7.6402-01	2.3966-03	1.6880-03	3.8309-02	4.8616+04	6.0945-04	5.3230+00	
14	470.40	4.0700+01	6.8991+00	2.1484-02	6.8991+00	2.1484-02	1.5132-02	3.4341-01	4.3580+05	5.4610-03	1.0880+00	
15	462.11	2.9625+01	4.9941+00	1.5456-02	4.9941+00	1.5456-02	1.0886-02	2.4705-01	3.1352+05	3.9273-03	1.3070+00	
16	477.70	3.8472+01	6.5533+00	2.0519-02	6.5533+00	2.0519-02	1.4452-02	3.2799-01	4.1623+05	5.2174-03	1.6410+00	
19	480.32	3.2526+01	5.0469+00	1.5834-02	5.0469+00	1.5834-02	1.1152-02	2.5310-01	3.2119+05	4.0265-03	4.1100-01	
20	449.87	2.4911+01	3.9697+00	1.2175-02	3.9697+00	1.2175-02	8.5749-03	1.9461-01	2.4696+05	3.0920-03	7.1100-01	
21	449.27	3.0914+01	4.9998+00	1.5327-02	4.9998+00	1.5327-02	1.0795-02	2.4500-01	3.1091+05	3.8925-03	1.0880+00	
22	450.04	2.4088+01	3.9215+00	1.2028-02	3.9215+00	1.2028-02	8.4718-03	1.9227-01	2.4399+05	3.0548-03	1.3070+00	
23	443.45	-4.1035-02	-6.5502-03	-1.9994-05	-6.5502-03	-1.9994-05	-1.4082-05	-3.1960-04	-4.0558+02	-5.0765-06	1.6410+00	
24	465.05	1.8862+00	3.1021-01	9.6215-04	3.1021-01	9.6215-04	6.7767-04	1.5380-02	1.9517+04	2.4451-04	3.0090+00	
25	467.91	1.6104+00	2.5898-01	8.0497-04	2.5898-01	8.0497-04	5.6696-04	1.2867-02	1.6329+04	2.0459-04	3.3930+00	
26	472.27	2.2494+00	3.6503-01	1.1383-03	3.6503-01	1.1383-03	8.0172-04	1.8195-02	2.3090+04	2.8936-04	3.7770+00	
27	492.72	6.2417+01	1.0235+01	3.2413-02	1.0235+01	3.2413-02	2.2829-02	5.1811-01	6.5750+05	8.2470-03	7.1100-01	
28	458.24	3.8714+01	6.2997+00	1.9440-02	6.2997+00	1.9440-02	1.3692-02	3.1075-01	3.9435+05	4.9390-03	1.0880+00	
29	454.18	2.3717+01	3.9069+00	1.2020-02	3.9069+00	1.2020-02	8.4661-03	1.9214-01	2.4383+05	3.0533-03	1.3070+00	
30	478.91	2.2454+01	3.7718+00	1.1821-02	3.7718+00	1.1821-02	8.3256-03	1.8895-01	2.3978+05	3.0058-03	1.6410+00	
31	490.72	1.3874+01	2.3835+00	7.5369-03	2.3835+00	7.5369-03	5.3084-03	1.2047-01	1.5289+05	1.9175-03	1.7720+00	
32	474.62	3.4421+00	5.7657-01	1.8011-03	5.7657-01	1.8011-03	1.2686-03	2.8790-02	3.6536+04	4.5791-04	2.4660+00	
33	463.51	1.6852+00	2.8102-01	8.7061-04	2.8102-01	8.7061-04	6.1319-04	1.3916-02	1.7660+04	2.2124-04	3.0090+00	
34	466.15	1.1823+00	1.9459-01	6.0404-04	1.9459-01	6.0404-04	4.2544-04	9.6554-03	1.2253+04	1.5351-04	3.3930+00	
35	470.50	1.3049+00	2.0634-01	6.4259-04	2.0634-01	6.4259-04	4.5259-04	1.0272-02	1.3035+04	1.6334-04	3.7770+00	
36	454.85	1.8742+01	3.0520+00	9.3947-03	3.0520+00	9.3947-03	6.6169-03	1.5017-01	1.9057+05	2.3865-03	1.3070+00	
37	465.36	3.1060+00	5.2320-01	1.6231-03	5.2320-01	1.6231-03	1.1432-03	2.5945-02	3.2925+04	4.1249-04	2.4660+00	
38	462.84	1.8800+00	3.0873-01	9.5598-04	3.0873-01	9.5598-04	6.7332-04	1.5281-02	1.9392+04	2.4292-04	3.0090+00	
39	465.94	1.2670+00	2.0725-01	6.4322-04	2.0725-01	6.4322-04	4.5304-04	1.0282-02	1.3048+04	1.6347-04	3.3930+00	
40	470.36	7.9013-01	1.2845-01	3.9999-04	1.2845-01	3.9999-04	2.8172-04	6.3937-03	8.1138+03	1.0167-04	3.7770+00	
41	475.71	9.5844-01	1.5303-01	4.7845-04	1.5303-01	4.7845-04	3.3698-04	7.6478-03	9.7053+03	1.2164-04	4.1620+00	
43	481.47	1.3990+00	2.3609-01	7.4135-04	2.3609-01	7.4135-04	5.2215-04	1.1850-02	1.5038+04	1.8853-04	5.3230+00	
47	455.52	1.4530+01	2.3458+00	7.2242-03	2.3458+00	7.2242-03	5.0882-03	1.1548-01	1.4654+05	1.8352-03	7.1100-01	
48	477.87	3.5181+01	5.8706+00	1.8384-02	5.8706+00	1.8384-02	1.2948-02	2.9386-01	3.7292+05	4.6745-03	1.0880+00	
49	473.89	2.1238+01	3.5558+00	1.1102-02	3.5558+00	1.1102-02	7.8193-03	1.7746-01	2.2520+05	2.8224-03	1.3070+00	
50	482.84	1.5008+01	2.5426+00	7.9923-03	2.5426+00	7.9923-03	5.6291-03	1.2775-01	1.6212+05	2.0326-03	1.6410+00	
51	481.99	1.0284+01	1.7567+00	5.5184-03	1.7567+00	5.5184-03	3.8867-03	8.8210-02	1.1194+05	1.4034-03	1.7720+00	
52	463.41	3.1512+00	5.3167-01	1.6470-03	5.3167-01	1.6470-03	1.1600-03	2.6327-02	3.3409+04	4.1853-04	2.4660+00	
53	465.38	1.7912+00	2.9465-01	9.1409-04	2.9465-01	9.1409-04	6.4381-04	1.4611-02	1.8542+04	2.3230-04	3.0090+00	
54	470.60	1.0197+00	1.6631-01	5.1797-04	1.6631-01	5.1797-04	3.6482-04	8.2796-03	1.0507+04	1.3166-04	3.3930+00	
55	474.86	6.5507-01	1.0519-01	3.2864-04	1.0519-01	3.2864-04	2.3147-04	5.2533-03	6.6666+03	8.3554-05	3.7770+00	
56	451.29	4.8192+00	7.4042-01	2.2732-03	7.4042-01	2.2732-03	1.6010-03	3.6336-02	4.6111+04	5.7735-04	4.1100-01	
57	454.74	9.4987+00	1.5234+00	4.6888-03	1.5234+00	4.6888-03	3.3025-03	7.4949-02	9.5113+04	1.1911-03	7.1100-01	
58	468.28	1.7837+01	2.9575+00	9.1952-03	2.9575+00	9.1952-03	6.4764-03	1.4698-01	1.8652+05	2.3371-03	1.0880+00	
59	477.62	1.7832+01	2.9840+00	9.3428-03	2.9840+00	9.3428-03	6.5804-03	1.4934-01	1.8952+05	2.3756-03	1.3070+00	
60	478.22	1.3233+01	2.2219+00	6.9599-03	2.2219+00	6.9599-03	4.9020-03	1.1125-01	1.4118+05	1.7697-03	1.6410+00	
61	472.09	2.3683+00	3.9016-01	1.2165-03	3.9016-01	1.2165-03	8.5681-04	1.9445-02	2.4677+04	3.0924-04	3.0090+00	
62	474.55	1.1268+00	1.8425-01	5.7554-04	1.8425-01	5.7554-04	4.0537-04	9.1999-03	1.1675+04	1.4632-04	3.3930+00	
63	477.58	7.3922-01	1.1891-01	3.7230-04	1.1891-01	3.7230-04	2.6222-04	5.9510-03	7.5520+03	9.4663-05	3.7770+00	
64	469.18	1.1430+01	1.9359+00	6.0229-03	1.9359+00	6.0229-03	4.2421-03	9.6274-02	1.2218+05	1.5309-03	1.0880+00	
65	472.74	9.7018+00	1.6472+00	5.1382-03	1.6472+00	5.1382-03	3.6190-03	8.2133-02	1.0423+05	1.3062-03	1.3070+00	
66	479.60	1.2390+01	2.1131+00	6.6260-03	2.1131+00	6.6260-03	4.6668-03	1.0591-01	1.3441+05	1.6849-03	1.6410+00	
69	455.97	2.4483+00	4.1101-01	1.2662-03	4.1101-01	1.2662-03	8.9182-04	2.0240-02	2.5685+04	3.2166-04	4.1100-01	
70	469.35	6.3221-01	1.0709-01	3.3323-04	1.0709-01	3.3323-04	2.3470-04	5.3266-03	6.7595+03	8.4700-05	7.1100-01	
71	487.53	1.6291+00	2.7847-01	8.7844-04	2.7847-01	8.7844-04	6.1871-04	1.4042-02	1.7819+04	2.2346-04	1.3070+00	
72	491.11	3.4021+00	5.8461-01	1.8492-03	5.8461-01	1.8492-03	1.3024-03	2.9559-02	3.7511+04	4.7046-04	1.6410+00	
73	498.51	2.1148+00	3.5127-01	1.1174-03	3.5127-01	1.1174-03	7.8701-04	1.7861-02	2.2666+04	2.8438-04	3.7770+00	
74	498.76	2.1387+00	3.6070-01	1.1476-03	3.6070-01	1.1476-03	8.0829-04	1.8344-02	2.3279+04	2.9207-04	5.3230+00	
77	483.22	2.3101+00	3.9147-01	1.2309-03	3.9147-01	1.2309-03	8.6692-04	1.9675-02	2.4968+04	3.1304-04	3.0090+00	
78	477.17	3.2353+00	5.3963-01	1.6890-03	5.3963-01	1.6890-03	1.1896-03	2.6998-02	3.4261+04	4.2944-04	3.3930+00	
79	474.79	3.9112+00	6.3966-01	1.9985-03	6.3966-01	1.9985-03	1.4076-03	3.1945-02	4.0539+04	5.0809-04	3.7770+00	
80	491.01	2.4945+00	4.2989-01	1.3597-03	4.2989-01	1.3597-03	9.5765-04	2.1734-02	2.7581+04	3.4592-04	2.4660+00	
81	486.61	2.9745+00	5.0518-01	1.5925-03	5.0518-01	1.5925-03	1.1216-03	2.5455-02	3.2303+04	4.0507-04	3.0090+00	
82	483.86	3.8135+00	6.4078-01	2.0157-03	6.4078-01	2.0157-03	1.4197-03	3.2221-02	4.0889+04	5.1267-04	3.3930+00	
83	481.17	4.5964+00	7.6408-01	2.3987-03	7.6408-01	2.3987-03	1.6895-03	3.8342-02	4.8658+04	6.1001-04	3.7770+00	
337	555.70	1.7947+01	3.5206+00	1.1713-02	3.5206+00	1.1713-02	8.2498-03	1.8723-01	2.3760+05	2.9885-03	7.1680+00	
339	529.01	1.7631+01	3.4755+00	1.1320-02	3.4755+00	1.1320-02	7.9732-03	1.8095-01	2.2963+05	2.8848-03	8.1130+00	
340	493.31	6.7247+00	1.2689+00	4.0203-03	1.2689+00	4.0203-03	2.8316-03	6.4264-02	8.1553+04	1.0229-03	8.6180+00	
342	541.90	1.5649+01	3.1417+00	1.0338-02	3.1417+00	1.0338-02	7.2812-03	1.6525-01	2.0970+05	2.6360-03	7.1680+00	
344	515.57	1.2631+01	2.4820+00	7.9998-03	2.4820+00	7.9998-03	5.6344-03	1.2787-01	1.6228+05	2.0374-03	8.1130+00	
347	521.30	9.1371+00	1.7551+00	5.6822-03	1.7551+00	5.6822-03	4.0021-03	9.0828-02	1.1526+05	1.4475-03	7.1680+00	
349	501.96	4.7808+00	9.2890-01	2.9627-03	9.2890-01	2.9627-03	2.0867-03	4.7358-02	6.0098+04	7.5411-04	8.1130+00	
350	482.70	9.9637-01	1.7625-01	5.5396-04	1.7625-01	5.5396-04	3.9017-04	8.8549-03	1.1237+04	1.4089-04	8.6180+00	
352	510.50	1.2171+00	2.2663-01	7.2761-04	2.2663-01	7.2761-04	5.1247-04	1.1631-02	1.4760+04	1.8527-04	7.1680+00	
354	512.04	1.6597+00	3.2372-01	1.0405-03	3.2372-01	1.0405-03	7.3288-04	1.6633-02	2.1107+04	2.6497-04	8.1130+00	
357	523.02	4.3387+00	8.1203-01	2.6326-03	8.1203-01	2.6326-03	1.8542-03	4.2081-02	5.3402+04	6.7070-04	7.1680+00	
359	521.30	5.3465+00	9.8041-01	3.1741-03	9.8041-01	3.1741-03	2.2356-03	5.0738-02	6.4388+04	8.0862-04	8.1130+00	
401	534.74	6.5075+01	5.6803+00	1.8586-02	5.6803+00	1.8586-02	1.3090-02	2.9709-01	3.7701+05	4.7376-03	4.5500-01	
403	495.63	3.2885+01	2.7675+00	8.7840-03	2.7675+00	8.7840-03	6.1868-03	1.4041-01	1.7818+05	2.2352-03	6.8600-01	
404	387.11	-1.2599+00	-9.8929-02	-2.9002-04	-9.8929-02	-2.9002-04	-2.0426-04	-4.6358-03	-5.8830+03	-7.3463-05	8.0100-01	
405	543.18	6.8307+01	5.9223+00	1.9507-02	5.9223+00	1.9507-02	1.3739-02	3.1182-01	3.9571+05	4.9743-03	1.0510+00	
406	529.49	6.6574+01	5.7581+00	1.8762-02	5.7581+00	1.8762-02	1.3215-02	2.9991-01	3.8060+05	4.7815-03	1.1670+00	
407	525.78	6.3025+01	5.5357+00	1.7985-02	5.5357+00	1.7985-02	1.2667-02	2.8749-01	3.6483+05	4.5827-03	1.2830+00	
408	488.58	3.4273+01	2.8367+00	8.9555-03	2.8367+00	8.9555-03	6.3076-03	1.4315-01	1.8166+05	2.2782-03	5.1300-01	
409	451.80	4.7891+00	3.9361-01	1.2095-03	3.9361-01	1.2095-03	8.5186-04	1.9333-02	2.4534+04	3.0719-04	5.7000-01	
410	482.82	2.5642+01	2.0759+00	6.5251-03	2.0759+00	6.5251-03	4.5957-03	1.0430-01	1.3236+05	1.6595-03	6.2800-01	
411	456.12	5.9164+00	4.8794-01	1.5034-03	4.8794-01	1.5034-03	1.0589-03	2.4031-02	3.0496+04	3.8191-04	6.8600-01	
412	494.70	3.3020+01	2.7772+00	8.8085-03	2.7772+00	8.8085-03	6.2040-03	1.4080-01	1.7868+05	2.2414-03	7.4400-01	
413	457.46	8.0629+00	6.6954-01	2.0649-03	6.6954-01	2.0649-03	1.4544-03	3.3007-02	4.1887+04	5.2460-04	8.0100-01	
414	513.94	5.2024+01	4.4297+00	1.4260-02	4.4297+00	1.4260-02	1.0043-02	2.2793-01	2.8925+05	3.6315-03	8.5900-01	
415	461.93	1.0513+01	8.7043-01	2.6934-03	8.7043-01	2.6934-03	1.8971-03	4.3054-02	5.4637+04	6.8440-04	9.1700-01	
416	492.38	3.0977+01	2.4301+00	7.6939-03	2.4301+00	7.6939-03	5.4190-03	1.2298-01	1.5607+05	1.9576-03	5.7000-01	
417	530.87	6.4817+01	5.5775+00	1.8194-02	5.5775+00	1.8194-02	1.2814-02	2.9082-01	3.6906+05	4.6368-03	1.0520+00	

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8.43432+01 9.76894-03 6.96644-01 4.54207+03 9.71761-06 6.83180-06 5.42015-02 7.72000+00 7.06260-06 7.46771-02

1	465.91	1.9557+01	3.3052+00	1.0256-02	3.3052+00	1.0256-02	7.2223-03	1.6395-01	2.0813+05	2.6080-03	4.1100-01
2	494.14	4.7190+01	8.1251+00	2.5756-02	8.1251+00	2.5756-02	1.8137-02	4.1170-01	5.2265+05	6.5573-03	7.1100-01
3	486.35	3.8144+01	6.5345+00	2.0591-02	6.5345+00	2.0591-02	1.4500-02	3.2915-01	4.1785+05	5.2407-03	1.3070+00
4	474.53	3.4817+01	5.9181+00	1.8483-02	5.9181+00	1.8483-02	1.3016-02	2.9545-01	3.7507+05	4.7017-03	1.6410+00
5	475.11	2.0678+01	3.6808+00	1.1501-02	3.6808+00	1.1501-02	8.0986-03	1.8384-01	2.3338+05	2.9256-03	1.7720+00
6	490.99	2.6530+00	4.4919-01	1.4205-03	4.4919-01	1.4205-03	1.0003-03	2.2706-02	2.8825+04	3.6160-04	2.4660+00
7	488.60	3.1356+00	5.2851-01	1.6683-03	5.2851-01	1.6683-03	1.1748-03	2.6667-02	3.3853+04	4.2463-04	3.0090+00
8	487.15	4.2145+00	7.0336-01	2.2178-03	7.0336-01	2.2178-03	1.5617-03	3.5450-02	4.5004+04	5.6445-04	3.3930+00
9	484.68	4.6156+00	7.6904-01	2.4203-03	7.6904-01	2.4203-03	1.7043-03	3.8688-02	4.9114+04	6.1594-04	3.7770+00
10	481.27	4.6639+00	7.7768-01	2.4412-03	7.7768-01	2.4412-03	1.7191-03	3.9022-02	4.9538+04	6.2117-04	5.3230+00
14	480.50	3.9780+01	6.7886+00	2.1297-02	6.7886+00	2.1297-02	1.4997-02	3.4043-01	4.3218+05	5.4190-03	1.0880+00
15	469.56	2.9702+01	5.0320+00	1.5658-02	5.0320+00	1.5658-02	1.1026-02	2.5028-01	3.1773+05	3.9821-03	1.3070+00
16	487.26	3.7929+01	6.5015+00	2.0501-02	6.5015+00	2.0501-02	1.4437-02	3.2771-01	4.1602+05	5.2180-03	1.6410+00
19	488.26	3.1318+01	4.8848+00	1.5415-02	4.8848+00	1.5415-02	1.0855-02	2.4641-01	3.1281+05	3.9236-03	4.1100-01
20	456.20	2.6010+01	4.1628+00	1.2825-02	4.1628+00	1.2825-02	9.0308-03	2.0500-01	2.6024+05	3.2597-03	7.1100-01
21	456.87	3.0457+01	4.9515+00	1.5262-02	4.9515+00	1.5262-02	1.0747-02	2.4396-01	3.0971+05	3.8794-03	1.0880+00
22	456.03	2.4160+01	3.9493+00	1.2165-02	3.9493+00	1.2165-02	8.5665-03	1.9446-01	2.4686+05	3.0921-03	1.3070+00
23	443.47	9.7665-02	1.5590-02	4.7582-05	1.5590-02	4.7582-05	3.3506-05	7.6058-04	9.6555+02	1.2088-05	1.6410+00
24	465.51	1.8338+00	3.0168-01	9.3587-04	3.0168-01	9.3587-04	6.5902-04	1.4960-02	1.8991+04	2.3797-04	3.0090+00
25	468.31	1.5730+00	2.5304-01	7.8661-04	2.5304-01	7.8661-04	5.5391-04	1.2574-02	1.5962+04	2.0004-04	3.3930+00
26	472.85	2.2696+00	3.6846-01	1.1493-03	3.6846-01	1.1493-03	8.0932-04	1.8371-02	2.3322+04	2.9234-04	3.7770+00
27	507.98	5.9686+01	9.8832+00	3.1664-02	9.8832+00	3.1664-02	2.2297-02	5.0614-01	6.4254+05	8.0663-03	7.1100-01
28	467.85	3.8157+01	6.2494+00	1.9421-02	6.2494+00	1.9421-02	1.3676-02	3.1044-01	3.9410+05	4.9388-03	1.0880+00
29	460.07	2.3534+01	3.8922+00	1.2025-02	3.8922+00	1.2025-02	8.4680-03	1.9222-01	2.4402+05	3.0571-03	1.3070+00
30	484.50	2.2337+01	3.7660+00	1.1851-02	3.7660+00	1.1851-02	8.3451-03	1.8943-01	2.4048+05	3.0159-03	1.6410+00
31	494.19	1.3923+01	2.3972+00	7.5994-03	2.3972+00	7.5994-03	5.3513-03	1.2147-01	1.5421+05	1.9347-03	1.7720+00
32	475.50	3.4031+00	5.7037-01	1.7827-03	5.7037-01	1.7827-03	1.2553-03	2.8496-02	3.6175+04	4.5349-04	2.4660+00
33	463.93	1.6727+00	2.7962-01	8.6456-04	2.7962-01	8.6456-04	6.0880-04	1.3820-02	1.7544+04	2.1982-04	3.0090+00
34	466.44	1.1688+00	1.9241-01	5.9730-04	1.9241-01	5.9730-04	4.2061-04	9.5477-03	1.2121+04	1.5189-04	3.3930+00
35	470.81	1.3075+00	2.0679-01	6.4406-04	2.0679-01	6.4406-04	4.5353-04	1.0295-02	1.3070+04	1.6381-04	3.7770+00
36	459.55	1.8820+01	3.0745+00	9.4955-03	3.0745+00	9.4955-03	6.6865-03	1.5178-01	1.9269+05	2.4139-03	1.3070+00
37	466.12	3.1325+00	5.2793-01	1.6385-03	5.2793-01	1.6385-03	1.1538-03	2.6191-02	3.3249+04	4.1664-04	2.4660+00
38	463.32	1.9455+00	3.1958-01	9.8979-04	3.1958-01	9.8979-04	6.9698-04	1.5821-02	2.0085+04	2.5166-04	3.0090+00
39	466.28	1.4540+00	2.3789-01	7.3841-04	2.3789-01	7.3841-04	5.1997-04	1.1803-02	1.4984+04	1.8777-04	3.3930+00
40	470.55	8.1351-01	1.3227-01	4.1187-04	1.3227-01	4.1187-04	2.9003-04	6.5836-03	8.3579+03	1.0475-04	3.7770+00
41	475.96	9.7662-01	1.5596-01	4.8762-04	1.5596-01	4.8762-04	3.4337-04	7.7944-03	9.8950+03	1.2405-04	4.1620+00
43	481.81	1.3642+00	2.3027-01	7.2314-04	2.3027-01	7.2314-04	5.0922-04	1.1559-02	1.4674+04	1.8401-04	5.3230+00
47	459.13	1.4324+01	2.3182+00	7.1575-03	2.3182+00	7.1575-03	5.0402-03	1.1441-01	1.4524+05	1.8195-03	7.1100-01
48	486.74	3.5477+01	5.9547+00	1.8770-02	5.9547+00	1.8770-02	1.3217-02	3.0003-01	3.8089+05	4.7772-03	1.0880+00
49	479.18	2.1079+01	3.5416+00	1.1100-02	3.5416+00	1.1100-02	7.8163-03	1.7743-01	2.2524+05	2.8241-03	1.3070+00
50	486.61	1.5102+01	2.5648+00	8.0838-03	2.5648+00	8.0838-03	5.6924-03	1.2922-01	1.6404+05	2.0574-03	1.6410+00
51	484.56	1.0245+01	1.7529+00	5.5164-03	1.7529+00	5.5164-03	3.8845-03	8.8177-02	1.1194+05	1.4038-03	1.7720+00
52	464.21	3.1958+00	5.3950-01	1.6720-03	5.3950-01	1.6720-03	1.1774-03	2.6726-02	3.3929+04	4.2513-04	2.4660+00
53	465.80	1.7200+00	2.8302-01	8.7817-04	2.8302-01	8.7817-04	6.1838-04	1.4037-02	1.7820+04	2.2330-04	3.0090+00
54	470.86	1.1107+00	1.8117-01	5.6427-04	1.8117-01	5.6427-04	3.9735-04	9.0197-03	1.1450+04	1.4352-04	3.3930+00
55	475.02	7.3871-01	1.1863-01	3.7064-04	1.1863-01	3.7064-04	2.6099-04	5.9245-03	7.5211+03	9.4283-05	3.7770+00
56	452.54	4.9117+00	7.5527-01	2.3205-03	7.5527-01	2.3205-03	1.6341-03	3.7093-02	4.7089+04	5.8973-04	4.1100-01
57	457.18	9.6930+00	1.5571+00	4.8007-03	1.5571+00	4.8007-03	3.3805-03	7.6737-02	9.7417+04	1.2203-03	7.1100-01
58	472.76	1.7915+01	2.9793+00	9.2926-03	2.9793+00	9.2926-03	6.5437-03	1.4854-01	1.8857+05	2.3636-03	1.0880+00
59	482.06	1.7755+01	2.9799+00	9.3597-03	2.9799+00	9.3597-03	6.5909-03	1.4961-01	1.8993+05	2.3817-03	1.3070+00
60	481.53	1.3156+01	2.2138+00	6.9508-03	2.2138+00	6.9508-03	4.8946-03	1.1111-01	1.4105+05	1.7687-03	1.6410+00
61	472.68	2.3709+00	3.9074-01	1.2187-03	3.9074-01	1.2187-03	8.5816-04	1.9480-02	2.4730+04	3.0998-04	3.0090+00
62	474.85	1.1662+00	1.9074-01	5.9587-04	1.9074-01	5.9587-04	4.1960-04	9.5248-03	1.2092+04	1.5158-04	3.3930+00
63	477.78	7.6208-01	1.2261-01	3.8386-04	1.2261-01	3.8386-04	2.7030-04	6.1358-03	7.7894+03	9.7658-05	3.7770+00
64	472.04	1.1402+01	1.9348+00	6.0316-03	1.9348+00	6.0316-03	4.2473-03	9.6413-02	1.2240+05	1.5341-03	1.0880+00
65	475.17	9.6639+00	1.6434+00	5.1350-03	1.6434+00	5.1350-03	3.6160-03	8.2081-02	1.0420+05	1.3063-03	1.3070+00
66	482.69	1.2339+01	2.1087+00	6.6267-03	2.1087+00	6.6267-03	4.6664-03	1.0593-01	1.3447+05	1.6863-03	1.6410+00
69	456.58	2.4899+00	4.1816-01	1.2886-03	4.1816-01	1.2886-03	9.0742-04	2.0598-02	2.6149+04	3.2764-04	4.1100-01
70	469.51	6.1195-01	1.0367-01	3.2257-04	1.0367-01	3.2257-04	2.2715-04	5.1563-03	6.5458+03	8.2038-05	7.1100-01
71	487.93	1.5943+00	2.7260-01	8.6004-04	2.7260-01	8.6004-04	6.0562-04	1.3747-02	1.7452+04	2.1890-04	1.3070+00
72	491.97	3.3678+00	5.7905-01	1.8325-03	5.7905-01	1.8325-03	1.2904-03	2.9292-02	3.7186+04	4.6650-04	1.6410+00
73	499.02	2.1029+00	3.4940-01	1.1117-03	3.4940-01	1.1117-03	7.8285-04	1.7771-02	2.2560+04	2.8310-04	3.7770+00
74	499.29	2.1933+00	3.7002-01	1.1776-03	3.7002-01	1.1776-03	8.2922-04	1.8823-02	2.3896+04	2.9987-04	5.3230+00
77	483.81	2.4343+00	4.1267-01	1.2979-03	4.1267-01	1.2979-03	9.1395-04	2.0746-02	2.6337+04	3.3029-04	3.0090+00
78	477.96	3.2005+00	5.3410-01	1.6724-03	5.3410-01	1.6724-03	1.1777-03	2.6733-02	3.3937+04	4.2549-04	3.3930+00
79	475.78	3.9501+00	6.6446-01	2.0209-03	6.6446-01	2.0209-03	1.4231-03	3.2304-02	4.1009+04	5.1410-04	3.7770+00
80	491.62	2.5507+00	4.3973-01	1.3913-03	4.3973-01	1.3913-03	9.7969-04	2.2239-02	2.8232+04	3.5416-04	2.4660+00
81	487.35	2.9491+00	5.0110-01	1.5803-03	5.0110-01	1.5803-03	1.1128-03	2.5260-02	3.2067+04	4.0220-04	3.0090+00
82	484.82	3.8577+00	6.4861-01	2.0415-03	6.4861-01	2.0415-03	1.4376-03	3.2633-02	4.1427+04	5.1955-04	3.3930+00
83	482.32	4.5590+00	7.5843-01	2.3827-03	7.5843-01	2.3827-03	1.6778-03	3.8086-02	4.8350+04	6.0630-04	3.7770+00
337	560.21	1.7940+01	3.5266+00	1.1781-02	3.5286+00	1.1781-02	8.2957-03	1.8831-01	2.3906+05	3.0081-03	7.1680+00
339	533.42	1.7636+01	3.4859+00	1.1392-02	3.4859+00	1.1392-02	8.0219-03	1.8210-01	2.3117+05	2.9054-03	8.1130+00
340	495.00	6.6914+00	1.2640+00	4.0094-03	1.2640+00	4.0094-03	2.8233-03	6.4088-02	8.1360+04	1.0208-03	8.6180+00
342	545.82	1.5674+01	3.1543+00	1.0410-02	3.1543+00	1.0410-02	7.3306-03	1.6640-01	2.1125+05	2.6565-03	7.1680+00
344	518.71	1.2523+01	2.4655+00	7.9649-03	2.4655+00	7.9649-03	5.6087-03	1.2732-01	1.6163+05	2.0306-03	8.1130+00
347	523.58	9.1392+00	1.7580+00	5.7009-03	1.7580+00	5.7009-03	4.0144-03	9.1127-02	1.1568+05	1.4533-03	7.1680+00
349	503.14	4.7096+00	9.1576-01	2.9230-03	9.1576-01	2.9230-03	2.0583-03	4.6723-02	5.9314+04	7.4446-04	8.1130+00
350	482.98	1.0192+00	1.8033-01	5.6680-04	1.8033-01	5.6680-04	3.9913-04	9.0601-03	1.1502+04	1.4423-04	8.6180+00
352	510.80	1.2218+00	2.2755-01	7.3060-04	2.2755-01	7.3060-04	5.1447-04	1.1678-02	1.4826+04	1.8614-04	7.1680+00
354	512.47	1.6577+00	3.2340-01	1.0397-03	3.2340-01	1.0397-03	7.3213-04	1.6619-02	2.1098+04	2.6491-04	8.1130+00
357	524.07	4.2442+00	7.9486-01	2.5786-03	7.9486-01	2.5786-03	1.8158-03	4.1218-02	5.2326+04	6.5736-04	7.1680+00
359	522.64	5.2982+00	9.7236-01	3.1509-03	9.7236-01	3.1509-03	2.2188-03	5.0366-02	6.3939+04	8.0321-04	8.1130+00
401	550.42	6.0753+01	5.3539+00	1.7734-02	5.3529+00	1.7734-02	1.2488-02	2.8348-01	3.5987+05	4.5264-03	4.5500-01
403	503.62	3.1271+01	2.6452+00	8.4463-03	2.6452+00	8.4463-03	5.9477-03	1.3501-01	1.7140+05	2.1513-03	6.8600-01
404	388.98	7.2818+00	5.7257-01	1.6805-03	5.7257-01	1.6805-03	1.1834-03	2.6862-02	3.4101+04	4.2594-04	8.0100-01
405	559.69	6.4338+01	5.6338+00	1.8801-02	5.6338+00	1.8801-02	1.3239-02	3.0053-01	3.8152+05	4.8007-03	1.0510+00
406	545.69	6.3168+01	5.5179+00	1.8209-02	5.5179+00	1.8209-02	1.2822-02	2.9106-01	3.6950+05	4.6465-03	1.1670+00
407	541.15	5.9932+01	5.3141+00	1.7473-02	5.3141+00	1.7473-02	1.2304-02	2.7930-01	3.5457+05	4.4578-03	1.2830+00
408	497.18	3.4328+01	2.8572+00	9.0782-03	2.8572+00	9.0782-03	6.3927-03	1.4511-01	1.8422+05	2.3116-03	5.1300-01
409	452.98	5.0847+00	4.1845-01	1.2861-03	4.1845-01	1.2861-03	9.0564-04	2.0558-02	2.6098+04	3.2685-04	5.7000-01
410	489.27	2.5785+01	2.0963+00	6.6206-03	2.0963+00	6.6206-03	4.6621-03	1.0583-01	1.3435+05	1.6852-03	6.2800-01
411	457.65	6.3673+00	5.2568-01	1.6212-03	5.2568-01	1.6212-03	1.1416-03	2.5915-02	3.2899+04	4.1211-04	6.8600-01
412	503.02	3.3141+01	2.8023+00	8.9438-03	2.8023+00	8.9438-03	6.2980-03	1.4296-01	1.8149+05	2.2779-03	7.4400-01
413	459.52	8.5834+00	7.1376-01	2.2044-03	7.1376-01	2.2044-03	1.5523-03	3.5236-02	4.4732+04	5.6037-04	8.0100-01
414	526.77	5.0619+01	4.3448+00	1.4125-02	4.3448+00	1.4125-02	9.9463-03	2.2578-01	2.8662+05	3.6012-03	8.5900-01
415	464.64	1.1219+01	9.3063-01	2.8851-03	9.3063-01	2.8851-03	2.0316-03	4.6117-02	5.8546+04	7.3359-04	9.1700-01
416	500.06	3.0558+01	2.4091+00	7.6714-03	2.4091+00	7.6714-03	5.4021-03	1.2263-01	1.5567+05	1.9536-03	5.7000-01
417	546.88	6.2985+01	5.4731+00	1.8078-02	5.4731+00	1.8078-02	1.2730-02	2.8897-01	3.6685+05	4.6134-03	1.0520+00

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8.43612+01 9.76863-03 6.96622-01 4.54256+03 9.71523-06 6.83326-08 5.41824-02 7.72000+00 7.06431-06 7.46750-02

1	476.00	2.0958+01	3.5659+00	1.1149-02	3.5659+00	1.1149-02	7.8522-03	1.7822-01	2.2619+05	2.8356-03	4.1100-01
2	517.43	4.6029+01	8.0436+00	2.5959-02	8.0436+00	2.5959-02	1.8283-02	4.1495-01	5.2665+05	6.6140-03	7.1100-01
3	505.26	3.7528+01	6.5078+00	2.0806-02	6.5078+00	2.0806-02	1.4653-02	3.3258-01	4.2210+05	5.2982-03	1.3070+00
4	491.77	3.4337+01	5.9030+00	1.8678-02	5.9030+00	1.8678-02	1.3155-02	2.9856-01	3.7893+05	4.7535-03	1.6410+00
5	485.38	2.0426+01	3.6605+00	1.1527-02	3.6605+00	1.1527-02	8.1179-03	1.8425-01	2.3384+05	2.9327-03	1.7720+00
6	492.31	2.6592+00	4.5063-01	1.4265-03	4.5063-01	1.4265-03	1.0046-03	2.2802-02	2.8940+04	3.6304-04	2.4660+00
7	490.18	3.1522+00	5.3185-01	1.6808-03	5.3185-01	1.6808-03	1.1838-03	2.6868-02	3.4100+04	4.2774-04	3.0090+00
8	489.25	4.1371+00	6.9138-01	2.1835-03	6.9138-01	2.1835-03	1.5378-03	3.4902-02	4.4297+04	5.5563-04	3.3930+00
9	487.00	4.7423+00	7.9136-01	2.4950-03	7.9136-01	2.4950-03	1.7571-03	3.9881-02	5.0616+04	6.3483-04	3.7770+00
10	483.61	4.6883+00	7.8296-01	2.4621-03	7.8296-01	2.4621-03	1.7340-03	3.9356-02	4.9950+04	6.2638-04	5.3230+00
14	499.85	3.7955+01	6.5592+00	2.0883-02	6.5592+00	2.0883-02	1.4707-02	3.3381-01	4.2367+05	5.3166-03	1.0880+00
15	484.35	2.9515+01	5.0495+00	1.5888-02	5.0495+00	1.5888-02	1.1189-02	2.5396-01	3.2233+05	4.0421-03	1.3070+00
16	505.96	3.7006+01	6.4202+00	2.0537-02	6.4202+00	2.0537-02	1.4464-02	3.2828-01	4.1664+05	5.2298-03	1.6410+00
19	503.43	2.9362+01	4.6248+00	1.4765-02	4.6248+00	1.4765-02	1.0399-02	2.3601-01	2.9954+05	3.7596-03	4.1100-01
20	469.80	2.7892+01	4.5052+00	1.4021-02	4.5052+00	1.4021-02	9.8744-03	2.2412-01	2.8445+05	3.5649-03	7.1100-01
21	471.99	2.9956+01	4.9198+00	1.5336-02	4.9198+00	1.5336-02	1.0801-02	2.4514-01	3.1113+05	3.8997-03	1.0880+00
22	468.23	2.4358+01	4.0146+00	1.2479-02	4.0146+00	1.2479-02	8.7889-03	1.9948-01	2.5317+05	3.1727-03	1.3070+00
23	443.52	1.1636-01	1.8576-02	5.6695-05	1.8576-02	5.6695-05	3.9929-05	9.0626-04	1.1502+03	1.4399-05	1.6410+00
24	466.42	1.8452+00	3.0374-01	9.4291-04	3.0374-01	9.4291-04	6.6407-04	1.5072-02	1.9129+04	2.3971-04	3.0090+00
25	469.09	1.5995+00	2.5743-01	8.0074-04	2.5743-01	8.0074-04	5.6394-04	1.2800-02	1.6245+04	2.0359-04	3.3930+00
26	473.97	2.2343+00	3.6299-01	1.1332-03	3.6299-01	1.1332-03	7.9810-04	1.8114-02	2.2990+04	2.8818-04	3.7770+00
27	536.45	5.4482+01	9.1832+00	3.0083-02	9.1832+00	3.0083-02	2.1187-02	4.8086-01	6.1030+05	7.6711-03	7.1100-01
28	486.66	3.6885+01	6.1167+00	1.9279-02	6.1167+00	1.9279-02	1.3578-02	3.0818-01	3.9113+05	4.9055-03	1.0880+00
29	471.81	2.3257+01	3.8768+00	1.2083-02	3.8768+00	1.2083-02	8.5100-03	1.9315-01	2.4514+05	3.0725-03	1.3070+00
30	495.61	2.2205+01	3.7710+00	1.1967-02	3.7710+00	1.1967-02	8.4281-03	1.9129-01	2.4278+05	3.0461-03	1.6410+00
31	501.17	1.4071+01	2.4338+00	7.7565-03	2.4338+00	7.7565-03	5.4627-03	1.2398-01	1.5736+05	1.9748-03	1.7720+00
32	477.18	3.4052+00	5.7135-01	1.7880-03	5.7135-01	1.7880-03	1.2592-03	2.8581-02	3.6274+04	4.5475-04	2.4660+00
33	464.76	1.7190+00	2.8689-01	8.8950-04	2.8689-01	8.8950-04	6.2646-04	1.4218-02	1.8046+04	2.2611-04	3.0090+00
34	467.00	1.1148+00	1.8358-01	5.7015-04	1.8358-01	5.7015-04	4.0154-04	9.1136-03	1.1567+04	1.4495-04	3.3930+00
35	471.46	1.3501+00	2.1362-01	6.6565-04	2.1362-01	6.6565-04	4.6880-04	1.0640-02	1.3504+04	1.6926-04	3.7770+00
36	469.00	1.8728+01	3.0789+00	9.5763-03	3.0789+00	9.5763-03	6.7443-03	1.5307-01	1.9428+05	2.4348-03	1.3070+00
37	467.69	3.1512+00	5.3164-01	1.6519-03	5.3164-01	1.6519-03	1.1634-03	2.6406-02	3.3514+04	4.1998-04	2.4660+00
38	464.28	1.9621+00	3.2252-01	9.9960-04	3.2252-01	9.9960-04	7.0400-04	1.5978-02	2.0279+04	2.5410-04	3.0090+00
39	467.00	1.1127+00	1.8214-01	5.6566-04	1.8214-01	5.6566-04	3.9838-04	9.0419-03	1.1476+04	1.4381-04	3.3930+00
40	470.95	7.7818-01	1.2656-01	3.9421-04	1.2656-01	3.9421-04	2.7763-04	6.3013-03	7.9975+03	1.0023-04	3.7770+00
41	476.43	9.7195-01	1.5526-01	4.8561-04	1.5526-01	4.8561-04	3.4200-04	7.7623-03	9.8518+03	1.2350-04	4.1620+00
43	482.50	1.4010+00	2.3660-01	7.4342-04	2.3660-01	7.4342-04	5.2357-04	1.1883-02	1.5082+04	1.8912-04	5.3230+00
47	466.16	1.3831+01	2.2490+00	6.9801-03	2.2490+00	6.9801-03	4.9159-03	1.1158-01	1.4161+05	1.7745-03	7.1100-01
48	504.46	3.5203+01	5.9766+00	1.9096-02	5.9766+00	1.9096-02	1.3449-02	3.0524-01	3.8741+05	4.8625-03	1.0880+00
49	489.67	2.0885+01	3.5331+00	1.1161-02	3.5331+00	1.1161-02	7.8607-03	1.7841-01	2.2644+05	2.8403-03	1.3070+00
50	494.11	1.4838+01	2.5323+00	8.0270-03	2.5323+00	8.0270-03	5.6532-03	1.2831-01	1.6285+05	2.0431-03	1.6410+00
51	489.64	1.0180+01	1.7476+00	5.5209-03	1.7476+00	5.5209-03	3.8882-03	8.8249-02	1.1200+05	1.4049-03	1.7720+00
52	465.80	3.2384+00	5.4727-01	1.6981-03	5.4727-01	1.6981-03	1.1959-03	2.7144-02	3.4451+04	4.3168-04	2.4660+00
53	466.66	1.7325+00	2.8523-01	8.8560-04	2.8523-01	8.8560-04	6.2371-04	1.4156-02	1.7967+04	2.2514-04	3.0090+00
54	471.41	1.0249+00	1.6725-01	5.2113-04	1.6725-01	5.2113-04	3.6702-04	8.3301-03	1.0572+04	1.3251-04	3.3930+00
55	475.37	6.5247-01	1.0480-01	3.2753-04	1.0480-01	3.2753-04	2.3067-04	5.2354-03	6.6447+03	8.3296-05	3.7770+00
56	454.99	4.4270+00	6.8188-01	2.0988-03	6.8188-01	2.0988-03	1.4782-03	3.3549-02	4.2580+04	5.3331-04	4.1100-01
57	462.01	9.7081+00	1.5646+00	4.8412-03	1.5646+00	4.8412-03	3.4095-03	7.7385-02	9.8215+04	1.2305-03	7.1100-01
58	481.75	1.8601+01	3.0115+00	9.4568-03	3.0115+00	9.4568-03	6.6602-03	1.5116-01	1.9185+05	2.4057-03	1.0880+00
59	490.93	1.7679+01	2.9843+00	9.4369-03	2.9843+00	9.4369-03	6.6462-03	1.5085-01	1.9145+05	2.4016-03	1.3070+00
60	488.02	1.2900+01	2.1799+00	6.8780-03	2.1799+00	6.8780-03	4.8440-03	1.0994-01	1.3954+05	1.7501-03	1.6410+00
61	473.87	2.3548+00	3.8839-01	1.2124-03	3.8839-01	1.2124-03	8.5388-04	1.9380-02	2.4597+04	3.0832-04	3.0090+00
62	475.45	1.1995+00	1.9626-01	6.1338-04	1.9626-01	6.1338-04	4.3199-04	9.8047-03	1.2444+04	1.5599-04	3.3930+00
63	478.16	7.7558-01	1.2481-01	3.9087-04	1.2481-01	3.9087-04	2.7528-04	6.2480-03	7.9298+03	9.9418-05	3.7770+00
64	477.73	1.1271+01	1.9198+00	6.0105-03	1.9198+00	6.0105-03	4.2330-03	9.6076-02	1.2194+05	1.5287-03	1.0880+00
65	480.01	9.8171+00	1.6748+00	5.2523-03	1.6748+00	5.2523-03	3.6990-03	8.3956-02	1.0656+05	1.3360-03	1.3070+00
66	488.81	1.2184+01	2.0906+00	6.6003-03	2.0906+00	6.6003-03	4.6484-03	1.0550-01	1.3390+05	1.6796-03	1.6410+00
69	457.85	2.5455+00	4.2786-01	1.3198-03	4.2786-01	1.3198-03	9.2947-04	2.1096-02	2.6775+04	3.3539-04	4.1100-01
70	469.81	5.6052-01	9.4978-02	2.9559-04	9.4978-02	2.9559-04	2.0817-04	4.7248-03	5.9967+03	7.5155-05	7.1100-01
71	488.75	1.6681+00	2.8536-01	9.0087-04	2.8536-01	9.0087-04	6.3446-04	1.4400-02	1.8276+04	2.2924-04	1.3070+00
72	493.63	3.2930+00	5.6680-01	1.7960-03	5.6680-01	1.7960-03	1.2649-03	2.8709-02	3.6436+04	4.5712-04	1.6410+00
73	500.07	2.1465+00	3.5689-01	1.1365-03	3.5689-01	1.1365-03	8.0039-04	1.8166-02	2.3056+04	2.8933-04	3.7770+00
74	500.40	2.2203+00	3.7485-01	1.1939-03	3.7485-01	1.1939-03	8.4086-04	1.9085-02	2.4222+04	3.0397-04	5.3230+00
77	485.01	2.3979+00	4.0682-01	1.2807-03	4.0682-01	1.2807-03	9.0195-04	2.0471-02	2.5982+04	3.2583-04	3.0090+00
78	479.58	3.2665+00	5.4570-01	1.7108-03	5.4570-01	1.7108-03	1.2049-03	2.7347-02	3.4708+04	4.3517-04	3.3930+00
79	477.75	4.0099+00	6.5709-01	2.0572-03	6.5709-01	2.0572-03	1.4488-03	3.2884-02	4.1736+04	5.2324-04	3.7770+00
80	492.95	2.6644+00	4.5974-01	1.4560-03	4.5974-01	1.4560-03	1.0254-03	2.3274-02	2.9539+04	3.7057-04	2.4660+00
81	488.84	2.9927+00	5.0901-01	1.6070-03	5.0901-01	1.6070-03	1.1318-03	2.5688-02	3.2602+04	4.0893-04	3.0090+00
82	486.72	3.8099+00	6.4137-01	2.0216-03	6.4137-01	2.0216-03	1.4238-03	3.2315-02	4.1014+04	5.1439-04	3.3930+00
83	484.60	4.5792+00	7.6294-01	2.4010-03	7.6294-01	2.4010-03	1.6910-03	3.8379-02	4.8710+04	6.1086-04	3.7770+00
337	569.13	1.7859+01	3.5314+00	1.1875-02	3.5314+00	1.1875-02	8.3635-03	1.8982-01	2.4092+05	3.0327-03	7.1680+00
339	542.22	1.7483+01	3.4742+00	1.1433-02	3.4742+00	1.1433-02	8.0521-03	1.8276-01	2.3195+05	2.9162-03	8.1130+00
340	498.33	6.6462+00	1.2582+00	4.0010-03	1.2582+00	4.0010-03	2.8178-03	6.3955-02	8.1171+04	1.0185-03	8.6180+00
342	553.67	1.5509+01	3.1358+00	1.0414-02	3.1358+00	1.0414-02	7.3344-03	1.6647-01	2.1128+05	2.6576-03	7.1680+00
344	524.91	1.2370+01	2.4449+00	7.9366-03	2.4449+00	7.9366-03	5.5896-03	1.2686-01	1.6101+05	2.0228-03	8.1130+00
347	528.18	9.1294+00	1.7611+00	5.7316-03	1.7611+00	5.7316-03	4.0366-03	9.1618-02	1.1628+05	1.4610-03	7.1680+00
349	505.51	4.9049+00	9.5519-01	3.0544-03	9.5519-01	3.0544-03	2.1511-03	4.8823-02	6.1966+04	7.7780-04	8.1130+00
350	483.46	9.7714-01	1.7294-01	5.4377-04	1.7294-01	5.4377-04	3.8296-04	8.6920-03	1.1032+04	1.3834-04	8.6180+00
352	511.44	1.2457+00	2.3209-01	7.4556-04	2.3209-01	7.4556-04	5.2508-04	1.1918-02	1.5126+04	1.8991-04	7.1680+00
354	513.28	1.5891+00	3.1018-01	9.9783-04	3.1018-01	9.9783-04	7.0275-04	1.5950-02	2.0243+04	2.5418-04	8.1130+00
357	526.20	4.2836+00	8.0331-01	2.6104-03	8.0331-01	2.6104-03	1.8384-03	4.1726-02	5.2958+04	6.6534-04	7.1680+00
359	525.30	5.2488+00	9.6490-01	3.1332-03	9.6490-01	3.1332-03	2.2066-03	5.0084-02	6.3565+04	7.9857-04	8.1130+00
401	578.79	5.3003+01	4.7499+00	1.6100-02	4.7499+00	1.6100-02	1.1338-02	2.5735-01	3.2662+05	4.1133-03	4.5500-01
403	518.64	2.9252+01	2.4980+00	8.0696-03	2.4980+00	8.0696-03	5.6832-03	1.2899-01	1.6371+05	2.0561-03	6.8600-01
404	392.93	-9.4239+00	-7.4317-01	-2.1873-03	-7.4317-01	-2.1873-03	-1.5405-03	-3.4963-02	-4.4375+04	-5.5434-04	8.0100-01
405	590.01	5.7384+01	5.1147+00	1.7497-02	5.1147+00	1.7497-02	1.2323-02	2.7968-01	3.5497+05	4.4726-03	1.0510+00
406	575.67	5.6735+01	5.0451+00	1.7057-02	5.0451+00	1.7057-02	1.2012-02	2.7264-01	3.4603+05	4.3571-03	1.1670+00
407	569.64	5.4285+01	4.8962+00	1.6472-02	4.8962+00	1.6472-02	1.1601-02	2.6330-01	3.3417+05	4.2066-03	1.2830+00
408	514.27	3.3665+01	2.8327+00	9.1196-03	2.8327+00	9.1196-03	6.4227-03	1.4577-01	1.8501+05	2.3232-03	5.1300-01
409	455.83	6.1226+00	5.0485-01	1.5549-03	5.0485-01	1.5549-03	1.0951-03	2.4855-02	3.1545+04	3.9511-04	5.7000-01
410	502.16	2.5569+01	2.0962+00	6.6857-03	2.0962+00	6.6857-03	4.7086-03	1.0687-01	1.3564+05	1.7023-03	6.2800-01
411	461.06	7.2255+00	5.9790-01	1.8487-03	5.9790-01	1.8487-03	1.3020-03	2.9550-02	3.7505+04	4.6986-04	6.8600-01
412	519.41	3.2742+01	2.7975+00	9.0423-03	2.7975+00	9.0423-03	6.3682-03	1.4454-01	1.8345+05	2.3040-03	7.4400-01
413	464.13	9.5948+00	8.0035-01	2.4803-03	8.0035-01	2.4803-03	1.7468-03	3.9646-02	5.0318+04	6.3047-04	8.0100-01
414	551.45	4.8061+01	4.1879+00	1.3883-02	4.1879+00	1.3883-02	9.7778-03	2.2192-01	2.8166+05	3.5427-03	8.5900-01
415	470.61	1.2570+01	1.0469+00	3.2600-03	1.0469+00	3.2600-03	2.2959-03	5.2110-02	6.6137+04	8.2890-04	9.1700-01
416	515.11	2.9570+01	2.3536+00	7.5823-03	2.3536+00	7.5823-03	5.3400-03	1.2120-01	1.5383+05	1.9316-03	9.7000-01
417	577.32	5.8495+01	5.1757+00	1.7521-02	5.1757+00	1.7521-02	1.2340-02	2.8007-01	3.5547+05	4.4762-03	1.0520+00

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30 1 11.99 -.01 .00 -.00 4C2 1 1.90 10.13 747.9 1782.0

8.64111+01 1.56428-02 1.12361+00 4.61404+03 1.51882-05 6.99930-08 8.39977-02 7.72000+00 7.25905-06 7.44375-02

1	444.44	2.7808+00	4.6315-01	1.3579-03	4.6315-01	1.3579-03	6.0226-04	1.7240-02	2.6810+04	3.4627-04	4.1100-01
2	436.76	4.2494+00	7.0398-01	2.0530-03	7.0398-01	2.0530-03	9.1052-04	2.6064-02	4.0532+04	5.2333-04	7.1100-01
3	447.42	1.2843+01	2.1435+00	6.2978-03	2.1435+00	6.2978-03	2.7932-03	7.9955-02	1.2434+05	1.6061-03	1.3070+00
4	464.23	4.2449+01	7.1661+00	2.1308-02	7.1661+00	2.1308-02	9.4504-03	2.7052-01	4.2069+05	5.4382-03	1.6410+00
5	467.36	4.0776+01	7.2208+00	2.1519-02	7.2208+00	2.1519-02	9.5439-03	2.7320-01	4.2485+05	5.4928-03	1.7720+00
6	470.90	3.5974+00	6.0109-01	1.7959-03	6.0109-01	1.7959-03	7.9650-04	2.2800-02	3.5457+04	4.5848-04	2.4660+00
7	453.96	2.9371+00	4.8376-01	1.4279-03	4.8376-01	1.4279-03	6.3331-04	1.8129-02	2.8192+04	3.6427-04	3.0090+00
8	445.41	2.8078+00	4.5565-01	1.3369-03	4.5565-01	1.3369-03	5.9292-04	1.6972-02	2.6394+04	3.4091-04	3.3930+00
9	442.78	2.5055+00	4.0585-01	1.1886-03	4.0585-01	1.1886-03	5.2714-04	1.5090-02	2.3466+04	3.0306-04	3.7770+00
10	464.91	2.1881+00	3.6090-01	1.0736-03	3.6090-01	1.0736-03	4.7617-04	1.3631-02	2.1197+04	2.7402-04	5.3230+00
14	434.45	7.6332+00	1.2626+00	3.6760-03	1.2626+00	3.6760-03	1.6303-03	4.6669-02	7.2575+04	9.3695-04	1.0880+00
15	436.66	1.4372+01	2.3809+00	6.9427-03	2.3809+00	6.9427-03	3.0792-03	8.8143-02	1.3707+05	1.7698-03	1.3070+00
16	456.71	5.0922+01	8.5527+00	2.5295-02	8.5527+00	2.5295-02	1.1219-02	3.2114-01	4.9941+05	6.4536-03	1.6410+00
19	451.67	2.0696+00	3.1502-01	9.2836-04	3.1502-01	9.2836-04	4.1174-04	1.1786-02	1.8329+04	2.3680-04	4.1100-01
20	445.83	4.3029+00	6.8379-01	2.0068-03	6.8379-01	2.0068-03	8.9005-04	2.5478-02	3.9621+04	5.1177-04	7.1100-01
21	435.62	8.1590+00	1.3072+00	3.8090-03	1.3072+00	3.8090-03	1.6893-03	4.8358-02	7.5202+04	9.7091-04	1.0880+00
22	434.02	1.4713+01	2.3688+00	6.8949-03	2.3688+00	6.8949-03	3.0580-03	8.7536-02	1.3613+05	1.7574-03	1.3070+00
23	661.36	1.0286-01	1.8724-02	6.4866-05	1.8724-02	6.4866-05	2.8769-05	8.2352-04	1.2807+03	1.6709-05	1.6410+00
24	465.24	3.0234+00	4.9729-01	1.4797-03	4.9729-01	1.4797-03	6.5629-04	1.8786-02	2.9215+04	3.7768-04	3.0090+00
25	458.91	2.7766+00	4.4384-01	1.3147-03	4.4384-01	1.3147-03	5.8310-04	1.6691-02	2.5957+04	3.3547-04	3.3930+00
26	454.18	2.5574+00	4.0999-01	1.2104-03	4.0999-01	1.2104-03	5.3683-04	1.5367-02	2.3897+04	3.0878-04	3.7770+00
27	445.12	3.9990+00	6.3518-01	1.8632-03	6.3518-01	1.8632-03	8.2636-04	2.3655-02	3.6786+04	4.7513-04	7.1100-01
28	437.20	8.4130+00	1.3494+00	3.9362-03	1.3494+00	3.9362-03	1.7458-03	4.9973-02	7.7714+04	1.0034-03	1.0880+00
29	438.65	1.3558+01	2.2096+00	6.4523-03	2.2096+00	6.4523-03	2.8617-03	8.1917-02	1.2739+05	1.6449-03	1.3070+00
30	460.09	5.4258+01	9.0004+00	2.6683-02	9.0004+00	2.6683-02	1.1834-02	3.3876-01	5.2681+05	6.8088-03	1.6410+00
31	463.00	4.3284+01	7.3009+00	2.1690-02	7.3009+00	2.1690-02	9.6147-03	2.7537-01	4.2823+05	5.5353-03	1.7720+00
32	474.18	3.7714+00	6.3155-01	1.8913-03	6.3155-01	1.8913-03	8.3883-04	2.4012-02	3.7341+04	4.8291-04	2.4660+00
33	460.61	3.1730+00	5.2809-01	1.5662-03	5.2809-01	1.5662-03	6.9463-04	1.9884-02	3.0922+04	3.9966-04	3.0090+00
34	452.62	2.6706+00	4.3554-01	1.2844-03	4.3554-01	1.2844-03	5.6965-04	1.6306-02	2.5358+04	3.2763-04	3.3930+00
35	449.36	2.9200+00	4.5517-01	1.3392-03	4.5517-01	1.3392-03	5.9395-04	1.7002-02	2.6440+04	3.4156-04	3.7770+00
36	442.10	1.3233+01	2.1361+00	6.2526-03	2.1361+00	6.2526-03	2.7731-03	7.9382-02	1.2345+05	1.5942-03	1.3070+00
37	474.30	4.0525+00	6.8672-01	2.0567-03	6.8672-01	2.0567-03	9.1219-04	2.6112-02	4.0607+04	5.2515-04	2.4660+00
38	458.03	3.2504+00	5.3204-01	1.5750-03	5.3204-01	1.5750-03	6.9854-04	1.9996-02	3.1096+04	4.0187-04	3.0090+00
39	448.94	3.0556+00	4.9408-01	1.4532-03	4.9408-01	1.4532-03	6.4453-04	1.8450-02	2.8692+04	3.7065-04	3.3930+00
40	446.72	2.8483+00	4.5569-01	1.3382-03	4.5569-01	1.3382-03	5.9352-04	1.6990-02	2.6421+04	3.4128-04	3.7770+00
41	451.61	2.4364+00	3.8275-01	1.1279-03	3.8275-01	1.1279-03	5.0024-04	1.4320-02	2.2269+04	2.8770-04	4.1620+00
43	466.11	2.2364+00	3.7359-01	1.1123-03	3.7359-01	1.1123-03	4.9334-04	1.4122-02	2.1961+04	2.8391-04	5.3230+00
47	445.84	4.2400+00	6.8000-01	1.9957-03	6.8000-01	1.9957-03	8.8513-04	2.5337-02	3.9402+04	5.0894-04	7.1100-01
48	438.38	7.0857+00	1.1512+00	3.3609-03	1.1512+00	3.3609-03	1.4906-03	4.2668-02	6.6354+04	8.5678-04	1.0880+00
49	442.12	1.5700+01	2.5725+00	7.5302-03	2.5725+00	7.5302-03	3.3397-03	9.5601-02	1.4867+05	1.9200-03	1.3070+00
50	469.42	5.4073+01	9.0797+00	2.7099-02	9.0797+00	2.7099-02	1.2019-02	3.4404-01	5.3502+05	6.9177-03	1.6410+00
51	471.88	4.4158+01	7.4927+00	2.2402-02	7.4927+00	2.2402-02	9.9355-03	2.8441-01	4.4228+05	5.7193-03	1.7720+00
52	474.51	4.0540+00	6.8910-01	2.0642-03	6.8910-01	2.0642-03	9.1549-04	2.6206-02	4.0753+04	5.2706-04	2.4660+00
53	455.31	3.1782+00	5.1926-01	1.5342-03	5.1926-01	1.5342-03	6.8045-04	1.9478-02	3.0291+04	3.9141-04	3.0090+00
54	448.18	2.8935+00	4.6480-01	1.3664-03	4.6480-01	1.3664-03	6.0601-04	1.7347-02	2.6977+04	3.4848-04	3.3930+00
55	446.42	2.7231+00	4.2893-01	1.2594-03	4.2893-01	1.2594-03	5.5855-04	1.5989-02	2.4864+04	3.2117-04	3.7770+00
56	452.54	2.0405+00	3.1377-01	9.2526-04	3.1377-01	9.2526-04	4.1036-04	1.1747-02	1.8268+04	2.3602-04	4.1100-01
57	446.22	4.1392+00	6.5998-01	1.9375-03	6.5998-01	1.9375-03	8.5930-04	2.4598-02	3.8252+04	4.9409-04	7.1100-01
58	441.43	7.3034+00	1.1890+00	3.4789-03	1.1890+00	3.4789-03	1.5429-03	4.4167-02	6.8684+04	8.8699-04	1.0880+00
59	444.01	1.3987+01	2.2880+00	6.7065-03	2.2880+00	6.7065-03	2.9744-03	8.5144-02	1.3241+05	1.7101-03	1.3070+00
60	471.93	5.8063+01	9.7085+00	2.9028-02	9.7085+00	2.9028-02	1.2874-02	3.6853-01	5.7310+05	7.4109-03	1.6410+00
61	454.93	3.3106+00	5.3914-01	1.5925-03	5.3914-01	1.5925-03	7.0631-04	2.0218-02	3.1442+04	4.0628-04	3.0090+00
62	445.56	3.0525+00	4.8945-01	1.4362-03	4.8945-01	1.4362-03	6.3698-04	1.8234-02	2.8355+04	3.6625-04	3.3930+00
63	446.80	2.9423+00	4.6359-01	1.3615-03	4.6359-01	1.3615-03	6.0384-04	1.7285-02	2.6880+04	3.4721-04	3.7770+00
64	437.13	7.8286+00	1.2973+00	3.7842-03	1.2973+00	3.7842-03	1.6783-03	4.8043-02	7.4712+04	9.6465-04	1.0880+00
65	439.71	1.4395+01	2.3897+00	6.9832-03	2.3897+00	6.9832-03	3.0972-03	8.8657-02	1.3787+05	1.7803-03	1.3070+00
66	468.78	5.7556+01	9.7461+00	2.9074-02	9.7461+00	2.9074-02	1.2895-02	3.6912-01	5.7402+05	7.4217-03	1.6410+00
69	445.09	2.5039+00	4.1722-01	1.2238-03	4.1722-01	1.2238-03	5.4279-04	1.5538-02	2.4163+04	3.1209-04	4.1100-01
70	439.64	4.4623+00	7.4075-01	2.1646-03	7.4075-01	2.1646-03	9.6001-04	2.7481-02	4.2736+04	5.5184-04	7.1100-01
71	448.32	1.3536+01	2.2539+00	6.6265-03	2.2539+00	6.6265-03	2.9390-03	8.4129-02	1.3083+05	1.6900-03	1.3070+00
72	475.46	5.6443+01	9.6000+00	2.8776-02	9.6000+00	2.8776-02	1.2763-02	3.6533-01	5.6813+05	7.3478-03	1.6410+00
73	454.83	3.1766+00	5.1261-01	1.5140-03	5.1261-01	1.5140-03	6.7150-04	1.9222-02	2.9892+04	3.8625-04	3.7770+00
74	473.66	2.5127+00	4.1688-01	1.2480-03	4.1688-01	1.2480-03	5.5350-04	1.5844-02	2.4640+04	3.1865-04	5.3230+00
77	449.92	3.0904+00	5.1213-01	1.5074-03	5.1213-01	1.5074-03	6.6854-04	1.9137-02	2.9760+04	3.8447-04	3.0090+00
78	444.30	2.6888+00	4.3863-01	1.2859-03	4.3863-01	1.2859-03	5.7033-04	1.6326-02	2.5388+04	3.2791-04	3.3930+00
79	444.67	2.4301+00	3.8942-01	1.1420-03	3.8942-01	1.1420-03	5.0648-04	1.4498-02	2.2546+04	2.9120-04	3.7770+00
80	471.16	3.7091+00	6.3090-01	1.8853-03	6.3090-01	1.8853-03	8.3615-04	2.3935-02	3.7222+04	4.8131-04	2.4660+00
81	451.46	2.6083+00	4.3269-01	1.2750-03	4.3269-01	1.2750-03	5.6546-04	1.6186-02	2.5172+04	3.2521-04	3.0090+00
82	445.73	2.7049+00	4.4301-01	1.3001-03	4.4301-01	1.3001-03	5.7660-04	1.6505-02	2.5668+04	3.3154-04	3.3930+00
83	442.60	2.6016+00	4.2136-01	1.2338-03	4.2136-01	1.2338-03	5.4722-04	1.5664-02	2.4360+04	3.1460-04	3.7770+00
337	506.08	2.8757+01	5.4709+00	1.6770-02	5.4709+00	1.6770-02	7.4376-03	2.1290-01	3.3109+05	4.2880-03	7.1680+00
339	489.43	1.3093+01	2.5169+00	7.6212-03	2.5169+00	7.6212-03	3.3801-03	9.6757-02	1.5047+05	1.9473-03	8.1130+00
340	475.96	2.6582+00	4.9591-01	1.4870-03	4.9591-01	1.4870-03	6.5951-04	1.8879-02	2.9359+04	3.7971-04	8.6180+00
342	501.26	2.7679+01	5.4177+00	1.6548-02	5.4177+00	1.6548-02	7.3391-03	2.1009-01	3.2671+05	4.2303-03	7.1680+00
344	489.36	1.5137+01	2.9248+00	8.8559-03	2.9248+00	8.8559-03	3.9277-03	1.1243-01	1.7484+05	2.2627-03	8.1130+00
347	499.23	2.6437+01	5.0076+00	1.5272-02	5.0076+00	1.5272-02	6.7734-03	1.9389-01	3.0152+05	3.9038-03	7.1680+00
349	488.33	1.5589+01	3.0023+00	9.0838-03	3.0023+00	9.0838-03	4.0288-03	1.1533-01	1.7934+05	2.3208-03	8.1130+00
350	474.04	3.0047+00	5.2848-01	1.5825-03	5.2848-01	1.5825-03	7.0187-04	2.0091-02	3.1244+04	4.0406-04	8.6180+00
352	507.23	3.0459+01	5.6598+00	1.7363-02	5.6598+00	1.7363-02	7.7009-03	2.2044-01	3.4281+05	4.4400-03	7.1680+00
354	493.60	1.7909+01	3.4519+00	1.0484-02	3.4519+00	1.0484-02	4.6500-03	1.3311-01	2.0700+05	2.6793-03	8.1130+00
357	509.23	3.1581+01	5.8596+00	1.8003-02	5.8596+00	1.8003-02	7.9846-03	2.2856-01	3.5544+05	4.6039-03	7.1680+00
359	495.22	1.8957+01	3.4191+00	1.0397-02	3.4191+00	1.0397-02	4.6112-03	1.3200-01	2.0527+05	2.6572-03	8.1130+00
401	451.88	4.7247+00	3.9085-01	1.1520-03	3.9085-01	1.1520-03	5.1043-04	1.4625-02	2.2744+04	2.9385-04	4.5500-01
403	454.38	5.1777+00	4.2397-01	1.2519-03	4.2397-01	1.2519-03	5.5521-04	1.5893-02	2.4716+04	3.1936-04	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.3592-06	-5.6975-03	-4.3592-06	-1.9334-06	-5.5343-05	-8.6065+01	-9.5933-07	8.0100-01
405	462.24	1.0084+01	8.3015-01	2.4649-03	8.3015-01	2.4649-03	1.0932-03	3.1294-02	4.8666+04	6.2904-04	1.0510+00
406	464.86	1.5914+01	1.3202+00	3.9274-03	1.3202+00	3.9274-03	1.7419-03	4.9862-02	7.7540+04	1.0024-03	1.1670+00
407	471.43	1.9172+01	1.6261+00	4.8601-03	1.6261+00	4.8601-03	2.1555-03	6.1702-02	9.5953+04	1.2408-03	1.2830+00
408	453.94	6.8577+00	5.5465-01	1.6372-03	5.5465-01	1.6372-03	7.2611-04	2.0785-02	3.2323+04	4.1765-04	5.1300-01
409	452.38	7.8940+00	6.4939-01	1.9147-03	6.4939-01	1.9147-03	8.4920-04	2.4309-02	3.7803+04	4.8842-04	5.7000-01
410	454.41	7.6478+00	6.0750-01	1.7938-03	6.0750-01	1.7938-03	7.9557-04	2.2773-02	3.5415+04	4.5761-04	6.2800-01
411	456.26	9.4940+00	7.8307-01	2.3152-03	7.8307-01	2.3152-03	1.0268-03	2.9394-02	4.5710+04	5.9069-04	6.8600-01
412	463.45	6.5174+00	5.3696-01	1.5957-03	5.3696-01	1.5957-03	7.0773-04	2.0259-02	3.1505+04	4.0725-04	7.4400-01
413	457.93	1.0509+01	8.7290-01	2.5839-03	8.7290-01	2.5839-03	1.1460-03	3.2804-02	5.1015+04	6.5928-04	8.0100-01
414	458.47	9.7117+00	7.9745-01	2.3615-03	7.9745-01	2.3615-03	1.0473-03	2.9981-02	4.6623+04	6.0254-04	8.5900-01
415	461.81	1.1216+01	9.2860-01	2.7564-03	9.2860-01	2.7564-03	1.2225-03	3.4994-02	5.4426+04	7.0340-04	9.1700-01
416	455.88	8.1236+00	6.2202-01	1.8386-03	6.2202-01	1.8386-03	8.1543-04	2.3342-02	3.6299+04	4.6907-04	5.7000-01
417	462.65	1.3927+01	1.1468+00	3.4062-03	1.1468+00	3.4062-03	1.5107-03	4.3244-02	6.7250+04	8.6927-04	1.0520+00

30 1 11.99 -.01 .00 -.00 402 1 2.15 10.13 747.9 1782.0

8.64111+01 1.56428-02 1.12361+00 4.61404+03 1.51882-05 6.99930-08 8.39977-02 7.72000+00 7.25905-06 7.44375-07

1	445.10	2.6213+00	4.3678-01	1.2816-03	4.3678-01	1.2816-03	5.6841-04	1.6271-02	2.5303+04	3.2672-04	4.1100-01
2	437.75	4.1049+00	6.8053-01	1.9865-03	6.8053-01	1.9865-03	8.8104-04	2.5220-02	3.9220+04	5.0626-04	7.1100-01
3	449.63	1.0087+01	1.6860+00	4.9628-03	1.6860+00	4.9628-03	2.2011-03	6.3007-02	9.7982+04	1.2654-03	1.3070+00
4	474.15	3.8846+01	6.6013+00	1.9775-02	6.6013+00	1.9775-02	8.7703-03	2.5105-01	3.9042+05	5.0476-03	1.6410+00
5	477.64	3.9763+01	7.0896+00	2.1291-02	7.0896+00	2.1291-02	9.4428-03	2.7030-01	4.2035+05	5.4355-03	1.7720+00
6	471.85	3.7823+00	6.3239-01	1.8912-03	6.3239-01	1.8912-03	8.3879-04	2.4011-02	3.7339+04	4.8270-04	2.4660+00
7	454.72	2.8992+00	4.7776-01	1.4114-03	4.7776-01	1.4114-03	6.2598-04	1.7919-02	2.7866+04	3.5997-04	3.0090+00
8	446.12	2.8197+00	4.5781-01	1.3443-03	4.5781-01	1.3443-03	5.9620-04	1.7066-02	2.6540+04	3.4271-04	3.3930+00
9	443.39	2.5117+00	4.0703-01	1.1929-03	4.0703-01	1.1929-03	5.2905-04	1.5144-02	2.3551+04	3.0408-04	3.7770+00
10	465.43	2.0800+00	3.4320-01	1.0216-03	3.4320-01	1.0216-03	4.5311-04	1.2971-02	2.0171+04	2.6068-04	5.3230+00
14	436.06	6.9216+00	1.1461+00	3.3417-03	1.1461+00	3.3417-03	1.4821-03	4.2425-02	6.5976+04	8.5157-04	1.0880+00
15	439.39	1.2141+01	2.0150+00	5.8888-03	2.0150+00	5.8888-03	2.6118-03	7.4763-02	1.1626+05	1.5009-03	1.3070+00
16	468.95	4.8368+01	8.1911+00	2.4445-02	8.1911+00	2.4445-02	1.0842-02	3.1035-01	4.8263+05	6.2384-03	1.6410+00
19	452.11	1.9522+00	2.9724-01	8.7647-04	2.9724-01	8.7647-04	3.8873-04	1.1127-02	1.7304+04	2.2351-04	4.1100-01
20	446.83	4.0800+00	6.4881-01	1.9061-03	6.4881-01	1.9061-03	8.4536-04	2.4199-02	3.7632+04	4.8595-04	7.1100-01
21	437.21	7.0384+00	1.1289+00	3.2941-03	1.1289+00	3.2941-03	1.4610-03	4.1821-02	6.5036+04	8.3948-04	1.0880+00
22	436.91	1.2630+01	2.0375+00	5.9440-03	2.0375+00	5.9440-03	2.6362-03	7.5464-02	1.1735+05	1.5148-03	1.3070+00
23	661.39	1.3143-01	2.3926-02	8.2914-05	2.3926-02	8.2914-05	3.6774-05	1.0527-03	1.6370+03	2.1351-05	1.6410+00
24	466.02	3.0473+00	5.0149-01	1.4935-03	5.0149-01	1.4935-03	6.6238-04	1.8961-02	2.9486+04	3.8109-04	3.0090+00
25	459.60	2.7808+00	4.4471-01	1.3183-03	4.4471-01	1.3183-03	5.8470-04	1.6737-02	2.6028+04	3.3630-04	3.3930+00
26	454.82	2.5917+00	4.1567-01	1.2281-03	4.1567-01	1.2281-03	5.4466-04	1.5591-02	2.4246+04	3.1321-04	3.7770+00
27	446.00	3.7216+00	5.9148-01	1.7366-03	5.9148-01	1.7366-03	7.7020-04	2.2047-02	3.4286+04	4.4273-04	7.1100-01
28	438.89	7.3777+00	1.1847+00	3.4610-03	1.1847+00	3.4610-03	1.5350-03	4.3940-02	6.8331+04	8.8208-04	1.0880+00
29	441.98	1.3211+01	2.1581+00	6.3185-03	2.1581+00	6.3185-03	2.8023-03	8.0218-02	1.2475+05	1.6106-03	1.3070+00
30	473.39	5.2702+01	8.8207+00	2.6408-02	8.8207+00	2.6408-02	1.1712-02	3.3527-01	5.2139+05	6.7407-03	1.6410+00
31	474.13	4.3632+01	7.4146+00	2.2211-02	7.4146+00	2.2211-02	9.8507-03	2.8198-01	4.3851+05	5.6694-03	1.7720+00
32	475.15	3.9107+00	6.5528-01	1.9644-03	6.5528-01	1.9644-03	8.7122-04	2.4939-02	3.8783+04	5.0144-04	2.4660+00
33	461.41	3.2369+00	5.3902-01	1.6000-03	5.3902-01	1.6000-03	7.0961-04	2.0313-02	3.1589+04	4.0818-04	3.0090+00
34	453.33	2.9055+00	4.7406-01	1.3991-03	4.7406-01	1.3991-03	6.2052-04	1.7763-02	2.7623+04	3.5680-04	3.3930+00
35	450.08	2.8670+00	4.4713-01	1.3166-03	4.4713-01	1.3166-03	5.8392-04	1.6715-02	2.5993+04	3.3571-04	3.7770+00
36	445.35	1.2789+01	2.0691+00	6.0722-03	2.0691+00	6.0722-03	2.6931-03	7.7090-02	1.1988+05	1.5480-03	1.3070+00
37	475.32	4.0644+00	6.8921-01	2.0663-03	6.8921-01	2.0663-03	9.1644-04	2.6233-02	4.0796+04	5.2747-04	2.4660+00
38	458.84	3.2405+00	5.3072-01	1.5725-03	5.3072-01	1.5725-03	6.9741-04	1.9964-02	3.1045+04	4.0111-04	3.0090+00
39	449.70	3.0712+00	4.9686-01	1.4626-03	4.9686-01	1.4626-03	6.4869-04	1.8569-02	2.8877+04	3.7294-04	3.3930+00
40	447.42	2.9216+00	4.6764-01	1.3744-03	4.6764-01	1.3744-03	6.0955-04	1.7449-02	2.7135+04	3.5041-04	3.7770+00
41	452.17	2.3642+00	3.7155-01	1.0956-03	3.7155-01	1.0956-03	4.8593-04	1.3910-02	2.1632+04	2.7940-04	4.1620+00
43	466.65	2.1506+00	3.5940-01	1.0708-03	3.5940-01	1.0708-03	4.7492-04	1.3595-02	2.1141+04	2.7324-04	5.3230+00
47	446.88	4.1647+00	6.6840-01	1.9637-03	6.6840-01	1.9637-03	8.7092-04	2.4930-02	3.8769+04	5.0065-04	7.1100-01
48	440.14	6.9886+00	1.1368+00	3.3239-03	1.1368+00	3.3239-03	1.4742-03	4.2199-02	6.5624+04	8.4718-04	1.0880+00
49	445.42	1.3842+01	2.2733+00	6.6717-03	2.2733+00	6.6717-03	2.9590-03	8.4702-02	1.3172+05	1.7009-03	1.3070+00
50	483.16	5.3510+01	9.0673+00	2.7339-02	9.0673+00	2.7339-02	1.2125-02	3.4709-01	5.3976+05	6.9813-03	1.6410+00
51	483.05	4.4314+01	7.5750+00	2.2838-02	7.5750+00	2.2838-02	1.0129-02	2.8994-01	4.5089+05	5.8318-03	1.7720+00
52	475.54	4.0836+00	6.9460-01	2.0828-03	6.9460-01	2.0828-03	9.2375-04	2.6443-02	4.1121+04	5.3168-04	2.4660+00
53	456.12	3.2587+00	5.3271-01	1.5753-03	5.3271-01	1.5753-03	6.9867-04	2.0000-02	3.1102+04	4.0179-04	3.0090+00
54	448.90	2.9288+00	4.7071-01	1.3849-03	4.7071-01	1.3849-03	6.1420-04	1.7582-02	2.7341+04	3.5310-04	3.3930+00
55	447.11	2.8260+00	4.4535-01	1.3086-03	4.4535-01	1.3086-03	5.8037-04	1.6613-02	2.5836+04	3.3363-04	3.7770+00
56	452.98	1.9730+00	3.0348-01	8.9544-04	3.0348-01	8.9544-04	3.9714-04	1.1368-02	1.7679+04	2.2835-04	4.1100-01
57	447.30	4.2249+00	6.7414-01	1.9811-03	6.7414-01	1.9811-03	8.7865-04	2.5152-02	3.9114+04	5.0510-04	7.1100-01
58	443.25	7.2442+00	1.1809+00	3.4604-03	1.1809+00	3.4604-03	1.5347-03	4.3932-02	6.8319+04	8.8209-04	1.0880+00
59	447.51	1.3572+01	2.2255+00	6.5412-03	2.2255+00	6.5412-03	2.9011-03	8.3045-02	1.2914+05	1.6677-03	1.3070+00
60	486.80	5.8042+01	9.8005+00	2.9628-02	9.8005+00	2.9628-02	1.3140-02	3.7615-01	5.8495+05	7.5670-03	1.6410+00
61	455.76	3.3065+00	5.3877-01	1.5928-03	5.3877-01	1.5928-03	7.0643-04	2.0222-02	3.1447+04	4.0625-04	3.0090+00
62	446.33	3.0649+00	4.9171-01	1.4440-03	4.9171-01	1.4440-03	6.4044-04	1.8333-02	2.8510+04	3.6815-04	3.3930+00
63	447.55	2.9756+00	4.6967-01	1.3787-03	4.6967-01	1.3787-03	6.1147-04	1.7504-02	2.7220+04	3.5152-04	3.7770+00
64	439.06	7.7262+00	1.2820+00	3.7458-03	1.2820+00	3.7458-03	1.6613-03	4.7556-02	7.3954+04	9.5468-04	1.0880+00
65	443.33	1.4297+01	2.3793+00	6.9727-03	2.3793+00	6.9727-03	3.0925-03	8.8523-02	1.3766+05	1.7774-03	1.3070+00
66	483.68	5.8140+01	9.9425+00	2.9989-02	9.9425+00	2.9989-02	1.3301-02	3.8073-01	5.9208+05	7.6582-03	1.6410+00
69	445.74	2.5766+00	4.2953-01	1.2609-03	4.2953-01	1.2609-03	5.5922-04	1.6008-02	2.4894+04	3.2145-04	4.1100-01
70	440.73	4.3169+00	7.1715-01	2.0978-03	7.1715-01	2.0978-03	9.3040-04	2.6633-02	4.1417+04	5.3470-04	7.1100-01
71	451.61	1.3155+01	2.1954+00	6.4713-03	2.1954+00	6.4713-03	2.8701-03	8.2158-02	1.2776+05	1.6502-03	1.3070+00
72	490.15	5.7331+01	9.8456+00	2.9837-02	9.8456+00	2.9837-02	1.3233-02	3.7881-01	5.8909+05	7.6216-03	1.6410+00
73	455.52	2.7699+00	4.4718-01	1.3218-03	4.4718-01	1.3218-03	5.8624-04	1.6781-02	2.6097+04	3.3713-04	3.7770+00
74	474.16	2.1252+00	3.5270-01	1.0566-03	3.5270-01	1.0566-03	4.6859-04	1.3414-02	2.0860+04	2.6969-04	5.3230+00
77	450.69	2.9423+00	4.8785-01	1.4371-03	4.8785-01	1.4371-03	6.3738-04	1.8245-02	2.8373+04	3.6646-04	3.0090+00
78	444.96	2.6816+00	4.3764-01	1.2840-03	4.3764-01	1.2840-03	5.6947-04	1.6301-02	2.5350+04	3.2733-04	3.3930+00
79	445.28	2.4156+00	3.8726-01	1.1364-03	3.8726-01	1.1364-03	5.0402-04	1.4428-02	2.2437+04	2.8971-04	3.7770+00
80	472.09	3.7512+00	6.3845-01	1.9097-03	6.3845-01	1.9097-03	8.4697-04	2.4245-02	3.7703+04	4.8741-04	2.4660+00
81	452.06	2.5704+00	4.2658-01	1.2578-03	4.2658-01	1.2578-03	5.5786-04	1.5969-02	2.4834+04	3.2076-04	3.0090+00
82	446.42	2.7106+00	4.4415-01	1.3044-03	4.4415-01	1.3044-03	5.7853-04	1.6561-02	2.5754+04	3.3256-04	3.3930+00
83	443.23	2.5668+00	4.1590-01	1.2187-03	4.1590-01	1.2187-03	5.4052-04	1.5473-02	2.4062+04	3.1067-04	3.7770+00
337	513.15	2.8476+01	5.4418+00	1.6773-02	5.4418+00	1.6773-02	7.4391-03	2.1295-01	3.3116+05	4.2889-03	7.1680+00
339	492.80	1.3623+01	2.6246+00	7.9692-03	2.6246+00	7.9692-03	3.5344-03	1.0117-01	1.5734+05	2.0359-03	8.1130+00
340	476.63	2.6571+00	4.9593-01	1.4882-03	4.9593-01	1.4882-03	6.6006-04	1.8894-02	2.9383+04	3.7993-04	8.6180+00
342	508.16	2.7574+01	5.4208+00	1.6646-02	5.4208+00	1.6646-02	7.3829-03	2.1134-01	3.2865+05	4.2556-03	7.1680+00
344	493.15	1.5234+01	2.9509+00	8.9624-03	2.9509+00	8.9624-03	3.9749-03	1.1378-01	1.7695+05	2.2896-03	8.1130+00
347	505.90	2.6686+01	5.0762+00	1.5562-02	5.0762+00	1.5562-02	6.9022-03	1.9758-01	3.0725+05	3.9780-03	7.1680+00
349	491.99	1.4979+01	2.8917+00	8.7751-03	2.8917+00	8.7751-03	3.8919-03	1.1141-01	1.7325+05	2.2417-03	8.1130+00
350	474.70	2.7777+00	4.8877-01	1.4647-03	4.8877-01	1.4647-03	6.4962-04	1.8596-02	2.8918+04	3.7389-04	8.6180+00
352	513.80	2.7311+01	5.0959+00	1.5714-02	5.0959+00	1.5714-02	6.9695-03	1.9951-01	3.1025+05	4.0183-03	7.1680+00
354	497.46	1.5497+01	2.9946+00	9.1238-03	2.9946+00	9.1238-03	4.0465-03	1.1583-01	1.8013+05	2.3313-03	8.1130+00
357	515.71	2.6828+01	4.9981+00	1.5435-02	4.9981+00	1.5435-02	6.8455-03	1.9596-01	3.0473+05	3.9472-03	7.1680+00
359	499.35	1.6133+01	2.9175+00	8.9012-03	2.9175+00	8.9012-03	3.9478-03	1.1301-01	1.7574+05	2.2746-03	8.1130+00
401	453.02	4.7216+00	3.9089-01	1.1534-03	3.9089-01	1.1534-03	5.1154-04	1.4643-02	2.2772+04	2.9414-04	4.5500-01
403	455.69	5.3299+00	4.3683-01	1.2914-03	4.3683-01	1.2914-03	5.7274-04	1.6395-02	2.5496+04	3.2937-04	6.8630-01
404	4157.19	7.3000-07	-4.0033-07	-3.0632-10	-4.0033-07	-3.0632-10	-1.3586-10	-3.8889-09	-6.0477-03	-6.7406-11	8.0100-01
405	464.73	9.9288+00	8.1874-01	2.4360-03	8.1874-01	2.4360-03	1.0804-03	3.0927-02	4.8095+04	6.2156-04	1.0510+00
406	468.55	1.4577+01	1.2123+00	3.6169-03	1.2123+00	3.6169-03	1.6041-03	4.5919-02	7.1409+04	9.2301-04	1.1670+00
407	475.73	1.7517+01	1.4899+00	4.4683-03	1.4899+00	4.4683-03	1.9818-03	5.6728-02	8.8219+04	1.1406-03	1.2830+00
408	455.71	7.0390+00	5.7000-01	1.6851-03	5.7000-01	1.6851-03	7.4736-04	2.1393-02	3.3269+04	4.2978-04	5.1300-01
409	454.33	7.9688+00	6.5641-01	1.9386-03	6.5641-01	1.9386-03	8.5981-04	2.4612-02	3.8275+04	4.9442-04	5.7000-01
410	456.39	7.8732+00	6.2625-01	1.8523-03	6.2625-01	1.8523-03	8.2151-04	2.3516-02	3.6570+04	4.7244-04	6.2800-01
411	458.66	9.4447+00	7.8027-01	2.3116-03	7.8027-01	2.3116-03	1.0252-03	2.9347-02	4.5638+04	5.8964-04	6.8600-01
412	464.94	6.2504+00	5.1548-01	1.5340-03	5.1548-01	1.5340-03	6.8034-04	1.9475-02	3.0286+04	3.9140-04	7.4400-01
413	460.57	1.0324+01	8.5908-01	2.5485-03	8.5908-01	2.5485-03	1.1303-03	3.2355-02	5.0316+04	6.5013-04	8.0100-01
414	460.84	9.4317+00	7.7571-01	2.3016-03	7.7571-01	2.3016-03	1.0208-03	2.9221-02	4.5441+04	5.8716-04	8.5900-01
415	464.57	1.0783+01	8.9438-01	2.6608-03	8.9438-01	2.6608-03	1.1801-03	3.3781-02	5.2533+04	6.7890-04	9.1700-01
416	457.92	8.1408+00	6.2420-01	1.8482-03	6.2420-01	1.8482-03	8.1971-04	2.3465-02	3.6490+04	4.7144-04	5.7000-01
417	466.01	1.3243+01	1.0929+00	3.2548-03	1.0929+00	3.2548-03	1.4436-03	4.1322-02	6.4261+04	8.3052-04	1.0520+00

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8.64201+01 1.56426-02 1.12359+00 4.61428+03 1.51864-05 7.00003-08 8.39832-02 7.72000+00 7.25991-06 7.44365-02

1	445.74	2.5158+00	4.1940-01	1.2306-03	4.1940-01	1.2306-03	5.4584-04	1.5624-02	2.4294+04	3.1383-04	4.1100-01
2	438.75	4.0545+00	6.7264-01	1.9640-03	6.7264-01	1.9640-03	8.7114-04	2.4935-02	3.8772+04	5.0071-04	7.1100-01
3	452.11	9.9881+00	1.6723+00	4.9292-03	1.6723+00	4.9292-03	2.1863-03	6.2580-02	9.7307+04	1.2574-03	1.3070+00
4	483.26	3.6677+01	6.2704+00	1.8899-02	6.2704+00	1.8899-02	8.3826-03	2.3994-01	3.7309+05	4.8275-03	1.6410+00
5	487.28	3.8254+01	6.8640+00	2.0749-02	6.8640+00	2.0749-02	9.2030-03	2.6342-01	4.0960+05	5.3010-03	1.7720+00
6	472.79	3.7704+00	6.3079-01	1.8869-03	6.3079-01	1.8869-03	8.3692-04	2.3956-02	3.7249+04	4.8176-04	2.4660+00
7	455.44	2.9055+00	4.7902-01	1.4152-03	4.7902-01	1.4152-03	6.2772-04	1.7968-02	2.7938+04	3.6106-04	3.0090+00
8	446.82	2.8135+00	4.5702-01	1.3420-03	4.5702-01	1.3420-03	5.9525-04	1.7038-02	2.6493+04	3.4225-04	3.3930+00
9	444.01	2.4707+00	4.0055-01	1.1739-03	4.0055-01	1.1739-03	5.2067-04	1.4903-02	2.3174+04	2.9934-04	3.7770+00
10	465.93	2.0260+00	3.3439-01	9.9537-04	3.3439-01	9.9537-04	4.4149-04	1.2637-02	1.9650+04	2.5406-04	5.3230+00
14	437.76	6.8052+00	1.1282+00	3.2919-03	1.1282+00	3.2919-03	1.4601-03	4.1793-02	6.4985+04	8.3919-04	1.0880+00
15	442.41	1.2026+01	2.0002+00	5.8555-03	2.0002+00	5.8555-03	2.5972-03	7.4340-02	1.1559+05	1.4930-03	1.3070+00
16	480.70	4.6692+01	7.9691+00	2.3975-02	7.9691+00	2.3975-02	1.0634-02	3.0438-01	4.7329+05	6.1234-03	1.6410+00
19	452.59	2.0904+00	3.1838-01	9.3875-04	3.1838-01	9.3875-04	4.1638-04	1.1918-02	1.8532+04	2.3947-04	4.1100-01
20	447.85	4.0852+00	6.5010-01	1.9104-03	6.5010-01	1.9104-03	8.4734-04	2.4254-02	3.7713+04	4.8722-04	7.1100-01
21	438.98	6.9782+00	1.1206+00	3.2726-03	1.1206+00	3.2726-03	1.4515-03	4.1548-02	6.4604+04	8.3432-04	1.0880+00
22	440.06	1.2463+01	2.0151+00	5.8892-03	2.0151+00	5.8892-03	2.6121-03	7.4768-02	1.1626+05	1.5015-03	1.3070+00
23	661.40	8.1040-02	1.4753-02	5.1102-05	1.4753-02	5.1102-05	2.2666-05	6.4877-04	1.0088+03	1.3164-05	1.6410+00
24	466.76	3.0265+00	4.9832-01	1.4842-03	4.9832-01	1.4842-03	6.5830-04	1.8843-02	2.9299+04	3.7884-04	3.0090+00
25	460.28	2.7444+00	4.3910-01	1.3018-03	4.3910-01	1.3018-03	5.7739-04	1.6527-02	2.5698+04	3.3218-04	3.3930+00
26	455.49	2.6021+00	4.1752-01	1.2336-03	4.1752-01	1.2336-03	5.4716-04	1.5661-02	2.4352+04	3.1472-04	3.7770+00
27	446.94	3.7522+00	5.9673-01	1.7525-03	5.9673-01	1.7525-03	7.7729-04	2.2249-02	3.4595+04	4.4693-04	7.1100-01
28	440.76	7.3195+00	1.1769+00	3.4412-03	1.1769+00	3.4412-03	1.5263-03	4.3688-02	6.7932+04	8.7736-04	1.0880+00
29	445.21	1.2938+01	2.1181+00	6.2128-03	2.1181+00	6.2128-03	2.7557-03	7.8876-02	1.2265+05	1.5843-03	1.3070+00
30	486.36	5.1207+01	8.6439+00	2.6112-02	8.6439+00	2.6112-02	1.1582-02	3.3151-01	5.1547+05	6.6709-03	1.6410+00
31	484.93	4.2894+01	7.3413+00	2.2154-02	7.3413+00	2.2154-02	9.8262-03	2.8126-01	4.3734+05	5.6594-03	1.7720+00
32	476.14	3.9865+00	6.6843-01	2.0043-03	6.6843-01	2.0043-03	8.8901-04	2.5446-02	3.9567+04	5.1182-04	2.4660+00
33	462.22	3.2187+00	5.3628-01	1.5921-03	5.3628-01	1.5921-03	7.0616-04	2.0213-02	3.1429+04	4.0630-04	3.0090+00
34	454.08	2.9730+00	4.8533-01	1.4325-03	4.8533-01	1.4325-03	6.3538-04	1.8187-02	2.8279+04	3.6544-04	3.3930+00
35	450.81	2.7855+00	4.3463-01	1.2799-03	4.3463-01	1.2799-03	5.6768-04	1.6249-02	2.5266+04	3.2646-04	3.7770+00
36	448.47	1.2186+01	1.9758+00	5.8088-03	1.9758+00	5.8088-03	2.5764-03	7.3747-02	1.1467+05	1.4815-03	1.3070+00
37	476.35	4.0047+00	6.7954-01	2.0380-03	6.7954-01	2.0380-03	9.0392-04	2.5873-02	4.0231+04	5.2041-04	2.4660+00
38	459.65	3.2275+00	5.2888-01	1.5672-03	5.2888-01	1.5672-03	6.9514-04	1.9897-02	3.0939+04	3.9991-04	3.0090+00
39	450.58	3.2488+00	5.2591-01	1.5485-03	5.2591-01	1.5485-03	6.8681-04	1.9659-02	3.0568+04	3.9496-04	3.3930+00
40	448.15	2.8488+00	4.5622-01	1.3410-03	4.5622-01	1.3410-03	5.9477-04	1.7024-02	2.6472+04	3.4200-04	3.7770+00
41	452.74	2.3948+00	3.7651-01	1.1103-03	3.7651-01	1.1103-03	4.9245-04	1.4096-02	2.1918+04	2.8322-04	4.1620+00
43	467.16	2.1257+00	3.5535-01	1.0587-03	3.5535-01	1.0587-03	4.6958-04	1.3441-02	2.0900+04	2.7024-04	5.3230+00
47	447.92	4.0457+00	6.4977-01	1.9095-03	6.4977-01	1.9095-03	8.4696-04	2.4243-02	3.7696+04	4.8701-04	7.1100-01
48	441.85	6.8327+00	1.1127+00	3.2561-03	1.1127+00	3.2561-03	1.4442-03	4.1339-02	6.4279+04	8.3022-04	1.0880+00
49	448.86	1.3318+01	2.1925+00	6.4474-03	2.1925+00	6.4474-03	2.8597-03	8.1855-02	1.2728+05	1.6444-03	1.3070+00
50	496.21	5.1685+01	8.8328+00	2.6875-02	8.8328+00	2.6875-02	1.1920-02	3.4120-01	5.3054+05	6.8689-03	1.6410+00
51	494.08	4.3769+01	7.5358+00	2.2893-02	7.5358+00	2.2893-02	1.0154-02	2.9064-01	4.5193+05	5.8505-03	1.7720+00
52	476.57	4.0940+00	6.9684-01	2.0902-03	6.9684-01	2.0902-03	9.2708-04	2.6536-02	4.1262+04	5.3375-04	2.4660+00
53	456.95	3.3231+00	5.4355-01	1.6076-03	5.4355-01	1.6076-03	7.1305-04	2.0410-02	3.1736+04	4.1017-04	3.0090+00
54	449.64	2.9309+00	4.7128-01	1.3867-03	4.7128-01	1.3867-03	6.1505-04	1.7605-02	2.7374+04	3.5368-04	3.3930+00
55	447.81	2.7678+00	4.3639-01	1.2823-03	4.3639-01	1.2823-03	5.6878-04	1.6280-02	2.5315+04	3.2705-04	3.7770+00
56	453.43	2.3746+00	3.6536-01	1.0779-03	3.6536-01	1.0779-03	4.7810-04	1.3685-02	2.1279+04	2.7498-04	4.1100-01
57	448.35	4.1813+00	6.6766-01	1.9627-03	6.6766-01	1.9627-03	8.7054-04	2.4918-02	3.8745+04	5.0058-04	7.1100-01
58	445.02	7.0592+00	1.1521+00	3.3790-03	1.1521+00	3.3790-03	1.4987-03	4.2898-02	6.6704+04	8.6166-04	1.0880+00
59	450.79	1.3131+01	2.1581+00	6.3551-03	2.1581+00	6.3551-03	2.8188-03	8.0683-02	1.2546+05	1.6210-03	1.3070+00
60	501.02	5.6299+01	9.5942+00	2.9295-02	9.5942+00	2.9295-02	1.2994-02	3.7192-01	5.7831+05	7.4890-03	1.6410+00
61	456.60	3.3335+00	5.4348-01	1.6070-03	5.4348-01	1.6070-03	7.1278-04	2.0402-02	3.1724+04	4.1001-04	3.0090+00
62	447.09	3.0239+00	4.8538-01	1.4256-03	4.8538-01	1.4256-03	6.3231-04	1.8099-02	2.8142+04	3.6357-04	3.3930+00
63	448.28	2.9236+00	4.6111-01	1.3554-03	4.6111-01	1.3554-03	6.0119-04	1.7208-02	2.6757+04	3.4569-04	3.7770+00
64	440.94	7.5345+00	1.2519+00	3.6609-03	1.2519+00	3.6609-03	1.6238-03	4.6478-02	7.2270+04	9.3340-04	1.0880+00
65	446.85	1.3826+01	2.3066+00	6.7735-03	2.3066+00	6.7735-03	3.0043-03	8.5994-02	1.3371+05	1.7274-03	1.3070+00
66	497.99	5.6680+01	9.7834+00	2.9806-02	9.7834+00	2.9806-02	1.3220-02	3.7841-01	5.8840+05	7.6187-03	1.6410+00
69	446.38	2.5413+00	4.2383-01	1.2442-03	4.2383-01	1.2442-03	5.5185-04	1.5796-02	2.4562+04	3.1730-04	4.1100-01
70	441.80	4.2348+00	7.0404-01	2.0601-03	7.0404-01	2.0601-03	9.1375-04	2.6155-02	4.0668+04	5.2527-04	7.1100-01
71	454.80	1.2906+01	2.1586+00	6.3746-03	2.1586+00	6.3746-03	2.8274-03	8.0930-02	1.2584+05	1.6263-03	1.3070+00
72	504.26	5.5779+01	9.6667+00	2.9587-02	9.6667+00	2.9587-02	1.3123-02	3.7562-01	5.8407+05	7.5647-03	1.6410+00
73	456.22	2.7595+00	4.4571-01	1.3176-03	4.4571-01	1.3176-03	5.8440-04	1.6727-02	2.6010+04	3.3615-04	3.7770+00
74	474.69	2.0577+00	3.4162-01	1.0233-03	3.4162-01	1.0233-03	4.5387-04	1.2991-02	2.0201+04	2.6129-04	5.3230+00
77	451.41	2.6914+00	4.4647-01	1.3153-03	4.4647-01	1.3153-03	5.8339-04	1.6699-02	2.5965+04	3.3551-04	3.0090+00
78	445.62	2.5725+00	4.2003-01	1.2324-03	4.2003-01	1.2324-03	5.4661-04	1.5646-02	2.4328+04	3.1427-04	3.3930+00
79	445.89	2.4208+00	3.8825-01	1.1393-03	3.8825-01	1.1393-03	5.0535-04	1.4465-02	2.2492+04	2.9055-04	3.7770+00
80	473.03	3.8094+00	6.4876-01	1.9410-03	6.4876-01	1.9410-03	8.6092-04	2.4642-02	3.8317+04	4.9558-04	2.4660+00
81	452.67	2.6748+00	4.4409-01	1.3095-03	4.4409-01	1.3095-03	5.8082-04	1.6625-02	2.5850+04	3.3404-04	3.0090+00
82	447.07	2.6738+00	4.3831-01	1.2873-03	4.3831-01	1.2873-03	5.7098-04	1.6343-02	2.5413+04	3.2831-04	3.3930+00
83	443.86	2.5330+00	4.1061-01	1.2033-03	4.1061-01	1.2033-03	5.3370-04	1.5276-02	2.3753+04	3.0682-04	3.7770+00
337	520.28	2.8464+01	5.4640+00	1.6924-02	5.4640+00	1.6924-02	7.5063-03	2.1486-01	3.3409+05	4.3301-03	7.1680+00
339	496.28	1.4014+01	2.7058+00	8.2332-03	2.7058+00	8.2332-03	3.6518-03	1.0453-01	1.6253+05	2.1043-03	8.1130+00
340	477.29	2.7158+00	5.0711-01	1.5219-03	5.0711-01	1.5219-03	6.7501-04	1.9321-02	3.0043+04	3.8864-04	8.6180+00
342	515.05	2.7545+01	5.4388+00	1.6780-02	5.4388+00	1.6780-02	7.4427-03	2.1304-01	3.3125+05	4.2924-03	7.1680+00
344	497.00	1.5294+01	2.9698+00	9.0411-03	2.9698+00	9.0411-03	4.0101-03	1.1478-01	1.7848+05	2.3109-03	8.1130+00
347	512.60	2.6610+01	5.0834+00	1.5655-02	5.0834+00	1.5655-02	6.9436-03	1.9875-01	3.0904+05	4.0041-03	7.1680+00
349	495.74	1.5045+01	2.9116+00	8.8559-03	2.9116+00	8.8559-03	3.9280-03	1.1243-01	1.7482+05	2.2634-03	8.1130+00
350	475.39	2.7735+00	4.8826-01	1.4633-03	4.8826-01	1.4633-03	6.4903-04	1.8578-02	2.8887+04	3.7365-04	8.6180+00
352	520.61	2.7201+01	5.0971+00	1.5791-02	5.0971+00	1.5791-02	7.0040-03	2.0048-01	3.1173+05	4.0404-03	7.1680+00
354	501.20	1.5162+01	2.9368+00	8.9684-03	2.9368+00	8.9684-03	3.9779-03	1.1386-01	1.7704+05	2.2927-03	8.1130+00
357	522.31	2.6470+01	4.9519+00	1.5361-02	4.9519+00	1.5361-02	6.8132-03	1.9502-01	3.0324+05	3.9307-03	7.1680+00
359	503.15	1.5546+01	2.8182+00	8.6186-03	2.8182+00	8.6186-03	3.8227-03	1.0942-01	1.7014+05	2.2035-03	8.1130+00
401	454.25	4.9605+00	4.1102-01	1.2133-03	4.1102-01	1.2133-03	5.3816-04	1.5404-02	2.3952+04	3.0953-04	4.5500-01
403	457.05	5.4873+00	4.5014-01	1.3314-03	4.5014-01	1.3314-03	5.9055-04	1.6904-02	2.6284+04	3.3971-04	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.3561-06	-5.6936-03	-4.3561-06	-1.9321-06	-5.5303-05	-8.5992+01	-9.5864-07	8.0100-01
405	467.18	9.8234+00	8.1137-01	2.4173-03	8.1137-01	2.4173-03	1.0722-03	3.0690-02	4.7720+04	6.1704-04	1.0510+00
406	472.04	1.3837+01	1.1535+00	3.4486-03	1.1535+00	3.4486-03	1.5296-03	4.3783-02	6.8079+04	8.8047-04	1.1670+00
407	479.96	1.6917+01	1.4429+00	4.3387-03	1.4429+00	4.3387-03	1.9244-03	5.5083-02	8.5650+04	1.1081-03	1.2830+00
408	457.47	6.9896+00	5.6668-01	1.6766-03	5.6668-01	1.6766-03	7.4366-04	2.1286-02	3.3098+04	4.2779-04	5.1300-01
409	456.41	8.1288+00	6.7054-01	1.9824-03	6.7054-01	1.9824-03	8.7930-04	2.5169-02	3.9135+04	5.0579-04	5.7000-01
410	458.37	7.8187+00	6.2275-01	1.8437-03	6.2275-01	1.8437-03	8.1778-04	2.3408-02	3.6397+04	4.7044-04	6.2800-01
411	461.00	9.2935+00	7.6900-01	2.2810-03	7.6900-01	2.2810-03	1.0117-03	2.8959-02	4.5029+04	5.8268-04	6.8600-01
412	466.42	6.1990+00	5.1175-01	1.5238-03	5.1175-01	1.5238-03	6.7588-04	1.9346-02	3.0082+04	3.8895-04	7.4400-01
413	463.08	1.0121+01	8.4360-01	2.5060-03	8.4360-01	2.5060-03	1.1115-03	3.1815-02	4.9471+04	6.3955-04	8.0100-01
414	463.16	9.2509+00	7.6203-01	2.2638-03	7.6203-01	2.2638-03	1.0041-03	2.8741-02	4.4690+04	5.7775-04	8.5900-01
415	467.20	1.0308+01	8.5647-01	2.5517-03	8.5647-01	2.5517-03	1.1318-03	3.2396-02	5.0373+04	6.5134-04	9.1700-01
416	459.97	8.1849+00	6.2846-01	1.8628-03	6.2846-01	1.8628-03	8.2621-04	2.3649-02	3.6773+04	4.7533-04	5.7000-01
417	469.27	1.2821+01	1.0605+00	3.1642-03	1.0605+00	3.1642-03	1.4035-03	4.0172-02	6.2464+04	8.0775-04	1.0520+00

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8.64020+01 1.56431-02 1.12363+00 4.61380+03 1.51901-05 6.99856-08 8.40123-02 7.72000+00 7.25819-06 7.44385-02

1	446.36	2.4722+00	4.1230-01	1.2105-03	4.1230-01	1.2105-03	5.3683-04	1.5368-02	2.3902+04	3.0874-04	4.1100-01
2	439.78	4.0847+00	6.7813-01	1.9818-03	6.7813-01	1.9818-03	8.7888-04	2.5160-02	3.9131+04	5.0531-04	7.1100-01
3	454.55	1.0030+01	1.6821+00	4.9673-03	1.6821+00	4.9673-03	2.2029-03	6.3063-02	9.8082+04	1.2674-03	1.3070+00
4	492.35	3.6045+01	6.1969+00	1.8811-02	6.1969+00	1.8811-02	8.3421-03	2.3881-01	3.7142+05	4.8074-03	1.6410+00
5	496.71	3.7305+01	6.7347+00	2.0502-02	6.7347+00	2.0502-02	9.0922-03	2.6028-01	4.0482+05	5.2407-03	1.7720+00
6	473.74	3.7990+00	6.3597-01	1.9040-03	6.3597-01	1.9040-03	8.4438-04	2.4172-02	3.7595+04	4.8620-04	2.4660+00
7	456.16	2.9647+00	4.8902-01	1.4457-03	4.8902-01	1.4457-03	6.4116-04	1.8355-02	2.8547+04	3.6890-04	3.0090+00
8	447.52	2.8369+00	4.6104-01	1.3547-03	4.6104-01	1.3547-03	6.0078-04	1.7199-02	2.6749+04	3.4553-04	3.3930+00
9	444.64	2.5148+00	4.0788-01	1.1961-03	4.0788-01	1.1961-03	5.3044-04	1.5185-02	2.3617+04	3.0504-04	3.7770+00
10	466.43	2.0317+00	3.3545-01	9.9902-04	3.3545-01	9.9902-04	4.4305-04	1.2683-02	1.9726+04	2.5503-04	5.3230+00
14	439.45	6.7164+00	1.1148+00	3.2571-03	1.1148+00	3.2571-03	1.4444-03	4.1351-02	6.4313+04	8.3047-04	1.0880+00
15	445.38	1.1846+01	1.9742+00	5.7923-03	1.9742+00	5.7923-03	2.5688-03	7.3537-02	1.1437+05	1.4773-03	1.3070+00
16	492.24	4.5703+01	7.8593+00	2.3847-02	7.8593+00	2.3847-02	1.0576-02	3.0276-01	4.7088+05	6.0946-03	1.6410+00
19	453.19	2.3787+00	3.6244-01	1.0693-03	3.6244-01	1.0693-03	4.7420-04	1.3575-02	2.1113+04	2.7280-04	4.1100-01
20	448.86	4.0623+00	6.4691-01	1.9026-03	6.4691-01	1.9026-03	8.4379-04	2.4155-02	3.7569+04	4.8533-04	7.1100-01
21	440.73	6.9065+00	1.1104+00	3.2473-03	1.1104+00	3.2473-03	1.4401-03	4.1227-02	6.4121+04	8.2804-04	1.0880+00
22	443.12	1.2235+01	1.9823+00	5.8068-03	1.9823+00	5.8068-03	2.5752-03	7.3721-02	1.1466+05	1.4808-03	1.3070+00
23	661.43	8.7792-02	1.5982-02	5.5371-05	1.5982-02	5.5371-05	2.4556-05	7.0297-04	1.0933+03	1.4266-05	1.6410+00
24	467.51	3.0203+00	4.9754-01	1.4829-03	4.9754-01	1.4829-03	6.5763-04	1.8826-02	2.9280+04	3.7856-04	3.0090+00
25	460.97	2.7610+00	4.4196-01	1.3111-03	4.4196-01	1.3111-03	5.8145-04	1.6645-02	2.5888+04	3.3461-04	3.3930+00
26	456.12	2.5917+00	4.1604-01	1.2299-03	4.1604-01	1.2299-03	5.4546-04	1.5615-02	2.4286+04	3.1383-04	3.7770+00
27	447.87	3.6577+00	5.8207-01	1.7108-03	5.8207-01	1.7108-03	7.5869-04	2.1719-02	3.3780+04	4.3636-04	7.1100-01
28	442.55	7.2281+00	1.1636+00	3.4072-03	1.1636+00	3.4072-03	1.5110-03	4.3257-02	6.7277+04	8.6886-04	1.0880+00
29	448.42	1.2530+01	2.0559+00	6.0449-03	2.0559+00	6.0449-03	2.6808-03	7.6744-02	1.1936+05	1.5419-03	1.3070+00
30	498.98	5.0015+01	8.5121+00	2.5956-02	8.5121+00	2.5956-02	1.1511-02	3.2953-01	5.1251+05	6.6355-03	1.6410+00
31	495.56	4.2166+01	7.2668+00	2.2103-02	7.2668+00	2.2103-02	9.8023-03	2.8061-01	4.3644+05	5.6497-03	1.7720+00
32	477.14	3.9735+00	6.6669-01	2.0009-03	6.6669-01	2.0009-03	8.8734-04	2.5402-02	3.9508+04	5.1101-04	2.4660+00
33	463.02	3.2831+00	5.4731-01	1.6260-03	5.4731-01	1.6260-03	7.2109-04	2.0643-02	3.2106+04	4.1501-04	3.0090+00
34	454.82	2.9927+00	4.8880-01	1.4437-03	4.8880-01	1.4437-03	6.4026-04	1.8329-02	2.8507+04	3.6836-04	3.3930+00
35	451.48	2.5366+00	3.9598-01	1.1668-03	3.9598-01	1.1668-03	5.1746-04	1.4813-02	2.3039+04	2.9766-04	3.7770+00
36	451.43	1.1853+01	1.9257+00	5.6740-03	1.9257+00	5.6740-03	2.5163-03	7.2035-02	1.1204+05	1.4475-03	1.3070+00
37	477.33	4.0369+00	6.8545-01	2.0574-03	6.8545-01	2.0574-03	9.1243-04	2.6121-02	4.0625+04	5.2547-04	2.4660+00
38	460.44	3.2790+00	5.3760-01	1.5942-03	5.3760-01	1.5942-03	7.0700-04	2.0240-02	3.1478+04	4.0686-04	3.0090+00
39	451.32	2.7371+00	4.4331-01	1.3061-03	4.4331-01	1.3061-03	5.7924-04	1.6582-02	2.5790+04	3.3320-04	3.3930+00
40	448.86	2.7948+00	4.4779-01	1.3170-03	4.4779-01	1.3170-03	5.8407-04	1.6720-02	2.6005+04	3.3594-04	3.7770+00
41	453.37	2.6509+00	4.1696-01	1.2303-03	4.1696-01	1.2303-03	5.4560-04	1.5619-02	2.4292+04	3.1388-04	4.1620+00
43	467.68	2.1392+00	3.5774-01	1.0663-03	3.5774-01	1.0663-03	4.7290-04	1.3538-02	2.1056+04	2.7223-04	5.3230+00
47	448.90	3.9101+00	6.2842-01	1.8483-03	6.2842-01	1.8483-03	8.1970-04	2.3466-02	3.6496+04	4.7147-04	7.1100-01
48	443.57	6.8021+00	1.1091+00	3.2497-03	1.1091+00	3.2497-03	1.4412-03	4.1258-02	6.4168+04	8.2875-04	1.0880+00
49	452.06	1.2950+01	2.1365+00	6.2980-03	2.1365+00	6.2980-03	2.7931-03	7.9958-02	1.2436+05	1.6067-03	1.3070+00
50	508.92	5.0329+01	8.6714+00	2.6636-02	8.6714+00	2.6636-02	1.1813-02	3.3816-01	5.2594+05	6.8125-03	1.6410+00
51	504.97	4.3117+01	7.4756+00	2.2896-02	7.4756+00	2.2896-02	1.0154-02	2.9068-01	4.5209+05	5.8549-03	1.7720+00
52	477.60	4.1507+00	7.0696-01	2.1224-03	7.0696-01	2.1224-03	9.4125-04	2.6945-02	4.1908+04	5.4207-04	2.4660+00
53	457.79	3.2966+00	5.3952-01	1.5969-03	5.3952-01	1.5969-03	7.0819-04	2.0274-02	3.1531+04	4.0749-04	3.0090+00
54	450.39	2.9512+00	4.7478-01	1.3979-03	4.7478-01	1.3979-03	6.1995-04	1.7748-02	2.7603+04	3.5660-04	3.3930+00
55	448.50	2.7984+00	4.4143-01	1.2980-03	4.4143-01	1.2980-03	5.7563-04	1.6479-02	2.5629+04	3.3108-04	3.7770+00
56	454.11	2.7210+00	4.1886-01	1.2365-03	4.1886-01	1.2365-03	5.4838-04	1.5699-02	2.4416+04	3.1549-04	4.1100-01
57	449.37	4.1481+00	6.6282-01	1.9501-03	6.6282-01	1.9501-03	8.6485-04	2.4758-02	3.8507+04	4.9745-04	7.1100-01
58	446.76	6.9584+00	1.1371+00	3.3393-03	1.1371+00	3.3393-03	1.4809-03	4.2395-02	6.5936+04	8.5171-04	1.0880+00
59	454.01	1.3177+01	2.1703+00	6.4066-03	2.1703+00	6.4066-03	2.8412-03	8.1336-02	1.2650+05	1.6346-03	1.3070+00
60	514.93	5.4870+01	9.4337+00	2.9107-02	9.4337+00	2.9107-02	1.2908-02	3.6953-01	5.7473+05	7.4465-03	1.6410+00
61	457.43	3.3330+00	5.4370-01	1.6089-03	5.4370-01	1.6089-03	7.1350-04	2.0426-02	3.1768+04	4.1054-04	3.0090+00
62	447.85	2.9792+00	4.7846-01	1.4062-03	4.7846-01	1.4062-03	6.2363-04	1.7853-02	2.7767+04	3.5868-04	3.3930+00
63	448.97	2.8540+00	4.5034-01	1.3246-03	4.5034-01	1.3246-03	5.8745-04	1.6817-02	2.6156+04	3.3789-04	3.7770+00
64	442.82	7.5631+00	1.2583+00	3.6850-03	1.2583+00	3.6850-03	1.6342-03	4.6784-02	7.2763+04	9.3972-04	1.0880+00
65	450.25	1.3556+01	2.2669+00	6.6738-03	2.2669+00	6.6738-03	2.9597-03	8.4729-02	1.3178+05	1.7025-03	1.3070+00
66	511.97	5.5442+01	9.6553+00	2.9726-02	9.6553+00	2.9726-02	1.3183-02	3.7739-01	5.8695+05	7.6037-03	1.6410+00
69	447.01	2.4899+00	4.1543-01	1.2202-03	4.1543-01	1.2202-03	5.4116-04	1.5492-02	2.4094+04	3.1123-04	4.1100-01
70	442.84	4.2171+00	7.0160-01	2.0548-03	7.0160-01	2.0548-03	9.1126-04	2.6087-02	4.0573+04	5.2399-04	7.1100-01
71	458.03	1.3009+01	2.1805+00	6.4550-03	2.1805+00	6.4550-03	2.8627-03	8.1951-02	1.2746+05	1.6472-03	1.3070+00
72	518.02	5.4372+01	9.5052+00	2.9395-02	9.5052+00	2.9395-02	1.3036-02	3.7319-01	5.8043+05	7.5213-03	1.6410+00
73	456.90	2.6753+00	4.3232-01	1.2788-03	4.3232-01	1.2788-03	5.6712-04	1.6235-02	2.5250+04	3.2631-04	3.7770+00
74	475.17	2.0327+00	3.3758-01	1.0117-03	3.3758-01	1.0117-03	4.4867-04	1.2844-02	1.9977+04	2.5836-04	5.3230+00
77	452.00	2.5553+00	4.2406-01	1.2500-03	4.2406-01	1.2500-03	5.5436-04	1.5870-02	2.4682+04	3.1889-04	3.0090+00
78	446.25	2.5683+00	4.1953-01	1.2316-03	4.1953-01	1.2316-03	5.4621-04	1.5636-02	2.4319+04	3.1413-04	3.3930+00
79	446.48	2.4203+00	3.8833-01	1.1402-03	3.8833-01	1.1402-03	5.0566-04	1.4476-02	2.2514+04	2.9081-04	3.7770+00
80	474.01	3.8047+00	6.4839-01	1.9415-03	6.4839-01	1.9415-03	8.6103-04	2.4649-02	3.8337+04	4.9579-04	2.4660+00
81	453.41	2.9174+00	4.8461-01	1.4299-03	4.8461-01	1.4299-03	6.3414-04	1.8154-02	2.8235+04	3.6482-04	3.0090+00
82	447.75	2.6701+00	4.3791-01	1.2870-03	4.3791-01	1.2870-03	5.7074-04	1.6339-02	2.5412+04	3.2826-04	3.3930+00
83	444.49	2.5683+00	4.1652-01	1.2213-03	4.1652-01	1.2213-03	5.4161-04	1.5505-02	2.4115+04	3.1146-04	3.7770+00
337	527.41	2.8439+01	5.4834+00	1.7077-02	5.4834+00	1.7077-02	7.5734-03	2.1681-01	3.3720+05	4.3714-03	7.1680+00
339	499.83	1.4188+01	2.7457+00	8.3775-03	2.7457+00	8.3775-03	3.7153-03	1.0636-01	1.6542+05	2.1418-03	8.1130+00
340	477.97	2.7345+00	5.1083-01	1.5340-03	5.1083-01	1.5340-03	6.8030-04	1.9475-02	3.0290+04	3.9180-04	8.6180+00
342	521.94	2.7446+01	5.4428+00	1.6881-02	5.4428+00	1.6881-02	7.4866-03	2.1432-01	3.3333+05	4.3202-03	7.1680+00
344	500.82	1.5301+01	2.9785+00	9.0946-03	2.9785+00	9.0946-03	4.0333-03	1.1546-01	1.7958+05	2.3252-03	8.1130+00
347	519.22	2.6432+01	5.0705+00	1.5695-02	5.0705+00	1.5695-02	6.9604-03	1.9926-01	3.0990+05	4.0160-03	7.1680+00
349	499.53	1.5050+01	2.9197+00	8.9066-03	2.9197+00	8.9066-03	3.9499-03	1.1308-01	1.7587+05	2.2770-03	8.1130+00
350	476.09	2.7465+00	4.8373-01	1.4507-03	4.8373-01	1.4507-03	6.4334-04	1.8417-02	2.8644+04	3.7048-04	8.6180+00
352	527.38	2.7006+01	5.0821+00	1.5827-02	5.0821+00	1.5827-02	7.0190-03	2.0094-01	3.1252+05	4.0514-03	7.1680+00
354	504.97	1.5026+01	2.9175+00	8.9357-03	2.9175+00	8.9357-03	3.9628-03	1.1345-01	1.7644+05	2.2850-03	8.1130+00
357	528.91	2.6310+01	4.9422+00	1.5409-02	4.9422+00	1.5409-02	6.8336-03	1.9563-01	3.0426+05	3.9446-03	7.1680+00
359	507.04	1.5425+01	2.8032+00	8.5986-03	2.8032+00	8.5986-03	3.8133-03	1.0917-01	1.6979+05	2.1990-03	8.1130+00
401	455.51	4.9668+00	4.1189-01	1.2172-03	4.1189-01	1.2172-03	5.3979-04	1.5453-02	2.4033+04	3.1056-04	4.5500-01
403	458.47	5.5247+00	4.5365-01	1.3434-03	4.5365-01	1.3434-03	5.9575-04	1.7055-02	2.6525+04	3.4281-04	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1762-06	-2.8443-03	-2.1762-06	-9.6511-07	-2.7628-05	-4.2970+01	-4.7893-07	8.0100-01
405	469.63	9.8109+00	8.1167-01	2.4228-03	8.1167-01	2.4228-03	1.0745-03	3.0760-02	4.7840+04	6.1858-04	1.0510+00
406	475.42	1.3340+01	1.1146+00	3.3408-03	1.1146+00	3.3408-03	1.4816-03	4.2414-02	6.5966+04	8.5317-04	1.1670+00
407	484.14	1.6608+01	1.4205+00	4.2849-03	1.4205+00	4.2849-03	1.9003-03	5.4400-02	8.4607+04	1.0947-03	1.2830+00
408	459.20	6.9538+00	5.6444-01	1.6723-03	5.6444-01	1.6723-03	7.4164-04	2.1231-02	3.3021+04	4.2677-04	5.1300-01
409	458.41	7.9803+00	6.5918-01	1.9519-03	6.5918-01	1.9519-03	8.6564-04	2.4781-02	3.8542+04	4.9810-04	5.7000-01
410	460.32	7.6613+00	6.1102-01	1.8118-03	6.1102-01	1.8118-03	8.0349-04	2.3002-02	3.5775+04	4.6238-04	6.2800-01
411	463.31	9.1491+00	7.5823-01	2.2531-03	7.5823-01	2.2531-03	9.9919-04	2.8604-02	4.4488+04	5.7508-04	6.8600-01
412	467.90	6.0390+00	4.9904-01	1.4878-03	4.9904-01	1.4878-03	6.5980-04	1.8888-02	2.9377+04	3.7982-04	7.4400-01
413	465.60	9.8093+00	8.1965-01	2.4378-03	8.1965-01	2.4378-03	1.0811-03	3.0949-02	4.8135+04	6.2228-04	8.0100-01
414	465.44	8.9964+00	7.4220-01	2.2088-03	7.4220-01	2.2088-03	9.7957-04	2.8042-02	4.3614+04	5.6383-04	8.5900-01
415	469.70	1.0007+01	8.3287-01	2.4862-03	8.3287-01	2.4862-03	1.1026-03	3.1564-02	4.9092+04	6.3476-04	9.1700-01
416	462.04	8.0971+00	6.2258-01	1.8483-03	6.2258-01	1.8483-03	8.1970-04	2.3466-02	3.6496+04	4.7174-04	5.7000-01
417	472.42	1.2421+01	1.0295+00	3.0793-03	1.0295+00	3.0793-03	1.3656-03	3.9094-02	6.0803+04	7.8629-04	1.0520+00

[redacted]

30 1 11.99 -.01 .00 -.00 4C2 1 3.15 10.13 747.9 1782.1

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8.64201+01 1.56426-02 1.12359+00 4.61428+03 1.51864-05 7.00003-08 8.39832-02 7.72000+00 7.25991-06 7.44365-02

1	447.58	2.4405+00	4.0736-01	1.1980-03	4.0736-01	1.1980-03	5.3138-04	1.5210-02	2.3650+04	3.0524-04	4.1100-01
2	441.80	4.0416+00	6.7191-01	1.9680-03	6.7191-01	1.9680-03	8.7291-04	2.4986-02	3.8851+04	5.0130-04	7.1100-01
3	459.70	1.0273+01	1.7789+00	5.1286-03	1.7289+00	5.1286-03	2.2747-03	6.5111-02	1.0124+05	1.3074-03	1.3070+00
4	510.06	3.4963+01	6.0816+00	1.8713-02	6.0816+00	1.8713-02	8.3001-03	2.3758-01	3.6941+05	4.7868-03	1.6410+00
5	514.95	3.5648+01	6.5108+00	2.0107-02	6.5108+00	2.0107-02	8.9183-03	2.5527-01	3.9693+05	5.1380-03	1.7720+00
6	475.65	3.7647+00	6.3103-01	1.8934-03	6.3103-01	1.8934-03	8.3982-04	2.4038-02	3.7378+04	4.8300-04	2.4660+00
7	457.70	3.0551+00	5.0446-01	1.4943-03	5.0446-01	1.4943-03	6.6278-04	1.8971-02	2.9499+04	3.8089-04	3.0090+00
8	448.93	2.7579+00	4.4864-01	1.3207-03	4.4864-01	1.3207-03	5.8578-04	1.6767-02	2.6072+04	3.3651-04	3.3930+00
9	445.88	2.4686+00	4.0073-01	1.1771-03	4.0073-01	1.1771-03	5.2210-04	1.4944-02	2.3237+04	2.9989-04	3.7770+00
10	467.45	2.0104+00	3.3216-01	9.9079-04	3.3216-01	9.9079-04	4.3946-04	1.2579-02	1.9559+04	2.5265-04	5.3230+00
14	442.80	6.6738+00	1.1103+00	3.2543-03	1.1103+00	3.2543-03	1.4434-03	4.1316-02	6.4244+04	8.2898-04	1.0880+00
15	451.14	1.1241+01	1.8809+00	5.5456-03	1.8809+00	5.5456-03	2.4597-03	7.0405-02	1.0947+05	1.4131-03	1.3070+00
16	514.62	4.3911+01	7.6601+00	2.3650-02	7.6601+00	2.3650-02	1.0490-02	3.0026-01	4.6688+05	6.0434-03	1.6410+00
19	454.36	2.3823+00	3.6328-01	1.0736-03	3.6328-01	1.0736-03	4.7617-04	1.3630-02	2.1193+04	2.7361-04	4.1100-01
20	450.89	3.7548+00	5.9877-01	1.7651-03	5.9877-01	1.7651-03	7.8289-04	2.2409-02	3.4844+04	4.4978-04	7.1100-01
21	444.11	6.6494+00	1.0716+00	3.1439-03	1.0716+00	3.1439-03	1.3944-03	3.9914-02	6.2063+04	8.0088-04	1.0880+00
22	449.22	1.1953+01	1.9448+00	5.7262-03	1.9448+00	5.7262-03	2.5398-03	7.2698-02	1.1304+05	1.4590-03	1.3070+00
23	661.49	6.1818-02	1.1254-02	3.9031-05	1.1254-02	3.9031-05	1.7312-05	4.9553-04	7.7051+02	1.0043-05	1.6410+00
24	469.05	3.0816+00	5.0816-01	1.5175-03	5.0816-01	1.5175-03	6.7308-04	1.9266-02	2.9957+04	3.8700-04	3.0090+00
25	462.36	2.7927+00	4.4746-01	1.3299-03	4.4746-01	1.3299-03	5.8985-04	1.6883-02	2.6253+04	3.3904-04	3.3930+00
26	457.42	2.6161+00	4.2033-01	1.2448-03	4.2033-01	1.2448-03	5.5213-04	1.5804-02	2.4574+04	3.1730-04	3.7770+00
27	449.65	3.6047+00	5.7434-01	1.6916-03	5.7434-01	1.6916-03	7.5030-04	2.1476-02	3.3394+04	4.3103-04	7.1100-01
28	446.13	7.1616+00	1.1558+00	3.3956-03	1.1558+00	3.3956-03	1.5061-03	4.3110-02	6.7032+04	8.6509-04	1.0880+00
29	454.53	1.2309+01	2.0280+00	5.9939-03	2.0280+00	5.9939-03	2.6585-03	7.6097-02	1.1832+05	1.5276-03	1.3070+00
30	523.51	4.8447+01	8.3742+00	2.6027-02	8.3742+00	2.6027-02	1.1544-02	3.3044-01	5.1380+05	6.6535-03	1.6410+00
31	516.29	4.0622+01	7.0937+00	2.1929-02	7.0937+00	2.1929-02	9.7264-03	2.7840-01	4.3289+05	5.6039-03	1.7720+00
32	479.14	4.1262+00	6.9324-01	2.0853-03	6.9324-01	2.0853-03	9.2494-04	2.6475-02	4.1166+04	5.3204-04	2.4660+00
33	464.66	3.2592+00	5.4393-01	1.6192-03	5.4393-01	1.6192-03	7.1820-04	2.0557-02	3.1965+04	4.1286-04	3.0090+00
34	456.30	3.0130+00	4.9260-01	1.4577-03	4.9260-01	1.4577-03	6.4656-04	1.8507-02	2.8777+04	3.7154-04	3.3930+00
35	452 67	2.5553+00	3.9923-01	1.1784-03	3.9923-01	1.1784-03	5.2265-04	1.4960-02	2.3262+04	3.0029-04	3.7770+00
36	457.34	1.2063+01	1.9677+00	5.8273-03	1.9677+00	5.8273-03	2.5847-03	7.3981-02	1.1504+05	1.4853-03	1.3070+00
37	479.38	4.1865+00	7.1182-01	2.1416-03	7.1182-01	2.1416-03	9.4989-04	2.7189-02	4.2277+04	5.4640-04	2.4660+00
38	462.11	3.2764+00	5.3778-01	1.5980-03	5.3778-01	1.5980-03	7.0878-04	2.0288-02	3.1546+04	4.0740-04	3.0090+00
39	452.52	2.7195+00	4.4081-01	1.3010-03	4.4081-01	1.3010-03	5.7703-04	1.6517-02	2.5682+04	3.3153-04	3.3930+00
40	450.21	2.8161+00	4.5162-01	1.3307-03	4.5162-01	1.3307-03	5.9022-04	1.6894-02	2.6269+04	3.3908-04	3.7770+00
41	454.72	2.7361+00	4.3075-01	1.2733-03	4.3075-01	1.2733-03	5.6475-04	1.6165-02	2.5135+04	3.2451-04	4.1620+00
43	468.79	2.1964+00	3.6756-01	1.0975-03	3.6756-01	1.0975-03	4.8677-04	1.3933-02	2.1665+04	2.7987-04	5.3230+00
47	450.84	3.6026+00	5.7976-01	1.7090-03	5.7976-01	1.7090-03	7.5801-04	2.1697-02	3.3737+04	4.3549-04	7.1100-01
48	446.93	6.6784+00	1.0914+00	3.2084-03	1.0914+00	3.2084-03	1.4231-03	4.0733-02	6.3337+04	8.1743-04	1.0880+00
49	458.59	1.3289+01	2.2021+00	6.5273-03	2.2021+00	6.5273-03	2.8951-03	8.2868-02	1.2885+05	1.6638-03	1.3070+00
50	533.63	4.8797+01	8.5382+00	2.6740-02	8.5382+00	2.6740-02	1.1860-02	3.3948-01	5.2787+05	6.8388-03	1.6410+00
51	526.12	4.1692+01	7.3256+00	2.2813-02	7.3256+00	2.2813-02	1.0119-02	2.8963-01	4.5035+05	5.8324-03	1.7720+00
52	479.69	4.1569+00	7.0900-01	2.1336-03	7.0900-01	2.1336-03	9.4635-04	2.7068-02	4.2120+04	5.4437-04	2.4660+00
53	459.41	3.3112+00	5.4250-01	1.6089-03	5.4250-01	1.6089-03	7.1363-04	2.0427-02	3.1762+04	4.1014-04	3.0090+00
54	451.74	2.5013+00	4.0278-01	1.1881-03	4.0278-01	1.1881-03	5.2696-04	1.5083-02	2.3453+04	3.0275-04	3.3930+00
55	449.88	2.7636+00	4.3635-01	1.2854-03	4.3635-01	1.2854-03	5.7013-04	1.6319-02	2.5375+04	3.2753-04	3.7770+00
56	455.49	2.0457+00	3.1520-01	9.3221-04	3.1520-01	9.3221-04	4.1348-04	1.1835-02	1.8403+04	2.3759-04	4.1100-01
57	451.42	3.8218+00	6.1154-01	1.8034-03	6.1154-01	1.8034-03	7.9990-04	2.2896-02	3.5601+04	4.5956-04	7.1100-01
58	450.25	6.7132+00	1.0996+00	3.2401-03	1.0996+00	3.2401-03	1.4371-03	4.1135-02	6.3962+04	8.2561-04	1.0880+00
59	460.76	1.3438+01	2.2235+00	6.6008-03	2.2235+00	6.6008-03	2.9277-03	8.3802-02	1.3031+05	1.6827-03	1.3070+00
60	541.76	5.2968+01	9.2592+00	2.9177-02	9.2592+00	2.9177-02	1.2941-02	3.7043-01	5.7599+05	7.4649-03	1.6410+00
61	459.06	3.2836+00	5.3624-01	1.5900-03	5.3624-01	1.5900-03	7.0523-04	2.0186-02	3.1388+04	4.0530-04	3.0090+00
62	449.30	2.9512+00	4.7443-01	1.3970-03	4.7443-01	1.3970-03	6.1962-04	1.7736-02	2.7578+04	3.5595-04	3.3930+00
63	450.44	2.9268+00	4.6228-01	1.3623-03	4.6228-01	1.3623-03	6.0425-04	1.7296-02	2.6894+04	3.4714-04	3.7770+00
64	446.59	7.5055+00	1.2519+00	3.6793-03	1.2519+00	3.6793-03	1.6319-03	4.6711-02	7.2632+04	9.3738-04	1.0880+00
65	456.93	1.3593+01	2.2834+00	6.7600-03	2.2834+00	6.7600-03	2.9983-03	8.5823-02	1.3345+05	1.7230-03	1.3070+00
66	539.18	5.3609+01	9.4954+00	2.9863-02	9.4954+00	2.9863-02	1.3246-02	3.7913-01	5.8953+05	7.6394-03	1.6410+00
69	448.24	2.4696+00	4.1240-01	1.2134-03	4.1240-01	1.2134-03	5.3821-04	1.5405-02	2.3954+04	3.0917-04	4.1100-01
70	444.97	4.3584+00	7.2618-01	2.1318-03	7.2618-01	2.1318-03	9.4553-04	2.7064-02	4.2083+04	5.4308-04	7.1100-01
71	464.58	1.3076+01	2.2015+00	6.5532-03	2.2015+00	6.5532-03	2.9066-03	8.3198-02	1.2937+05	1.6709-03	1.3070+00
72	544.61	5.2371+01	9.3069+00	2.9391-02	9.3069+00	2.9391-02	1.3036-02	3.7314-01	5.8021+05	7.5206-03	1.6410+00
73	458.24	2.7366+00	4.4263-01	1.3116-03	4.4263-01	1.3116-03	5.8177-04	1.6652-02	2.5893+04	3.3434-04	3.7770+00
74	476.22	2.1294+00	3.5388-01	1.0623-03	3.5388-01	1.0623-03	4.7115-04	1.3486-02	2.0970+04	2.7098-04	5.3230+00
77	453.34	2.9294+00	4.8658-01	1.4369-03	4.8658-01	1.4369-03	6.3731-04	1.8242-02	2.8365+04	3.6618-04	3.0090+00
78	447.53	2.6099+00	4.2669-01	1.2549-03	4.2669-01	1.2549-03	5.5658-04	1.5931-02	2.4772+04	3.1972-04	3.3930+00
79	447.68	2.3761+00	3.8155-01	1.1222-03	3.8155-01	1.1222-03	4.9776-04	1.4247-02	2.2154+04	2.8593-04	3.7770+00
80	475.89	3.7896+00	6.4662-01	1.9405-03	6.4662-01	1.9405-03	8.6071-04	2.4637-02	3.8308+04	4.9502-04	2.4660+00
81	454.89	2.9138+00	4.8450-01	1.4323-03	4.8450-01	1.4323-03	6.3529-04	1.8184-02	2.8275+04	3.6504-04	3.0090+00
82	449.07	2.7034+00	4.4377-01	1.3065-03	4.4377-01	1.3065-03	5.7949-04	1.6587-02	2.5792+04	3.3290-04	3.3930+00
83	445.77	2.5382+00	4.1200-01	1.2101-03	4.1200-01	1.2101-03	5.3675-04	1.5364-02	2.3889+04	3.0830-04	3.7770+00
337	541.57	2.8130+01	5.4712+00	1.7238-02	5.4712+00	1.7238-02	7.6459-03	2.1885-01	3.4030+05	4.4103-03	1.7680+00
339	506.95	1.4295+01	2.7790+00	8.5315-03	2.7790+00	8.5315-03	3.7841-03	1.0831-01	1.6842+05	2.1793-03	8.1130+00
340	479.34	2.7418+00	5.1265-01	1.5423-03	5.1265-01	1.5423-03	6.8409-04	1.9581-02	3.0447+04	3.9350-04	8.6180+00
342	535.49	2.6969+01	5.3933+00	1.6915-02	5.3933+00	1.6915-02	7.5023-03	2.1474-01	3.3391+05	4.3263-03	7.1680+00
344	508.44	1.5226+01	2.9785+00	9.1539-03	2.9785+00	9.1539-03	4.0602-03	1.1622-01	1.8071+05	2.3385-03	8.1130+00
347	532.39	2.6439+01	5.1136+00	1.6000-02	5.1136+00	1.6000-02	7.0966-03	2.0313-01	3.1585+05	4.0917-03	7.1680+00
349	507.00	1.4860+01	2.8965+00	8.8925-03	2.8965+00	8.8925-03	3.9442-03	1.1290-01	1.7555+05	2.2715-03	8.1130+00
350	477.48	2.8208+00	4.9727-01	1.4941-03	4.9727-01	1.4941-03	6.6268-04	1.8968-02	2.9494+04	3.8115-04	8.6180+00
352	540.78	2.6641+01	5.0547+00	1.5917-02	5.0547+00	1.5917-02	7.0597-03	2.0207-01	3.1421+05	4.0720-03	7.1680+00
354	512.47	1.4924+01	2.9116+00	8.9752-03	2.9116+00	8.9752-03	3.9809-03	1.1395-01	1.7718+05	2.2932-03	8.1130+00
357	542.00	2.6020+01	4.9271+00	1.5529-02	4.9271+00	1.5529-02	6.8878-03	1.9715-01	3.0656+05	3.9730-03	7.1680+00
359	514.69	1.5259+01	2.7865+00	8.6036-03	2.7865+00	8.6036-03	3.8161-03	1.0923-01	1.6984+05	2.1985-03	8.1130+00
401	457.96	4.8930+00	4.0645-01	1.2042-03	4.0645-01	1.2042-03	5.3411-04	1.5288-02	2.3772+04	3.0695-04	4.5500-01
403	461.20	5.4930+00	4.5188-01	1.3419-03	4.5188-01	1.3419-03	5.9518-04	1.7036-02	2.6490+04	3.4209-04	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.3601-06	-5.6973-03	-4.3601-06	-1.9339-06	-5.5354-05	-8.6072+01	-9.5928-07	8.0100-01
405	474.54	9.9408+00	8.2511-01	2.4738-03	8.2511-01	2.4738-03	1.0972-03	3.1407-02	4.8835+04	6.3102-04	1.0510+00
406	481.89	1.2741+01	1.0690+00	3.2222-03	1.0690+00	3.2222-03	1.4292-03	4.0908-02	6.3608+04	8.2217-04	1.1670+00
407	492.31	1.6142+01	1.3880+00	4.2155-03	1.3880+00	4.2155-03	1.8698-03	5.3519-02	8.3218+04	1.0761-03	1.2830+00
408	462.62	6.7678+00	5.5061-01	1.6367-03	5.5061-01	1.6367-03	7.2596-04	2.0780-02	3.2311+04	4.1728-04	5.1300-01
409	462.37	7.8629+00	6.5122-01	1.9355-03	6.5122-01	1.9355-03	8.5846-04	2.4572-02	3.8208+04	4.9344-04	5.7000-01
410	464.06	7.4660+00	5.9695-01	1.7763-03	5.9695-01	1.7763-03	7.8786-04	2.2551-02	3.5066+04	4.5289-04	6.2800-01
411	467.82	8.8369+00	7.3458-01	2.1917-03	7.3458-01	2.1917-03	9.7213-04	2.7826-02	4.3267+04	5.5891-04	6.8600-01
412	471.01	6.0587+00	5.0171-01	1.5004-03	5.0171-01	1.5004-03	6.6548-04	1.9048-02	2.9619+04	3.8266-04	7.4400-01
413	470.41	9.5293+00	7.9824-01	2.3861-03	7.9824-01	2.3861-03	1.0583-03	3.0293-02	4.7104+04	6.0854-04	8.0100-01
414	469.86	8.8192+00	7.2974-01	2.1805-03	7.2974-01	2.1805-03	9.6715-04	2.7683-02	4.3045+04	5.5609-04	8.5900-01
415	474.65	9.8764+00	8.2473-01	2.4728-03	8.2473-01	2.4728-03	1.0968-03	3.1395-02	4.8816+04	6.3078-04	9.1700-01
416	466.00	7.8790+00	6.0743-01	1.8100-03	6.0743-01	1.8100-03	8.0281-04	2.2979-02	3.5731+04	4.6152-04	5.7000-01
417	478.45	1.1895+01	9.8988-01	2.9762-03	9.8988-01	2.9762-03	1.3201-03	3.7785-02	5.8752+04	7.5929-04	1.0520+00

34 1 11.98 -.02 .00 -.00 402 1 1.90 10.13 748.4 1779.2

8.62657+01 1.56571-02 1.12464+00 4.61018+03 1.52277-05 6.98752-08 8.42872-02 7.72000+00 7.24524-06 7.44539-02

1	440.32	2.9403+00	4.8832-01	1.4312-03	4.8832-01	1.4312-03	6.3365-04	1.8140-02	2.8311+04	3.6471-04	4.1100-01
2	434.31	4.5543+00	7.5321-01	2.1983-03	7.5321-01	2.1983-03	9.7327-04	2.7863-02	4.3485+04	5.6004-04	7.1100-01
3	443.67	1.3070+01	2.1757+00	6.3920-03	2.1757+00	6.3920-03	2.8299-03	8.1016-02	1.2644+05	1.6291-03	1.3070+00
4	464.79	4.4156+01	7.4570+00	2.2239-02	7.4570+00	2.2239-02	9.8461-03	2.8188-01	4.3991+05	5.6732-03	1.6410+00
5	469.65	4.0748+01	7.2269+00	2.1628-02	7.2269+00	2.1628-02	9.5756-03	2.7413-01	4.2783+05	5.5185-03	1.7720+00
6	466.72	3.7964+00	6.3257-01	1.8891-03	6.3257-01	1.8891-03	8.3638-04	2.3944-02	3.7369+04	4.8195-04	2.4660+00
7	445.31	3.0213+00	4.9468-01	1.4550-03	4.9468-01	1.4550-03	6.4417-04	1.8441-02	2.8781+04	3.7085-04	3.0090+00
8	437.17	2.9049+00	4.6873-01	1.3708-03	4.6873-01	1.3708-03	6.0689-04	1.7374-02	2.7115+04	3.4926-04	3.3930+00
9	435.99	2.5252+00	4.0712-01	1.1896-03	4.0712-01	1.1896-03	5.2668-04	1.5078-02	2.3532+04	3.0309-04	3.7770+00
10	459.85	2.1195+00	3.4840-01	1.0354-03	3.4840-01	1.0354-03	4.5840-04	1.3123-02	2.0481+04	2.6406-04	5.3230+00
14	431.43	7.7657+00	1.2817+00	3.7334-03	1.2817+00	3.7334-03	1.6529-03	4.7319-02	7.3849+04	9.5100-04	1.0880+00
15	433.69	1.4659+01	2.4233+00	7.0696-03	2.4233+00	7.0696-03	3.1299-03	8.9605-02	1.3984+05	1.8010-03	1.3070+00
16	456.91	5.2245+01	8.7762+00	2.6026-02	8.7762+00	2.6026-02	1.1523-02	3.2988-01	5.1483+05	6.6370-03	1.6410+00
19	446.62	2.5153+00	3.8154-01	1.1232-03	3.8154-01	1.1232-03	4.9730-04	1.4237-02	2.2219+04	2.8631-04	4.1100-01
20	442.43	4.4036+00	6.9816-01	2.0493-03	6.9816-01	2.0493-03	9.0729-04	2.5974-02	4.0537+04	5.2226-04	7.1100-01
21	432.80	8.1195+00	1.2983+00	3.7851-03	1.2983+00	3.7851-03	1.6758-03	4.7976-02	7.4873+04	9.6424-04	1.0880+00
22	431.57	1.5020+01	2.4141+00	7.0324-03	2.4141+00	7.0324-03	3.1135-03	8.9133-02	1.3911+05	1.7914-03	1.3070+00
23	707.01	2.6026-01	4.8493-02	1.7526-04	4.8493-02	1.7526-04	7.7595-05	2.2214-03	3.4669+03	4.5228-05	1.6410+00
24	452.76	2.8919+00	4.7167-01	1.3947-03	4.7167-01	1.3947-03	6.1746-04	1.7677-02	2.7588+04	3.5559-04	3.0090+00
25	446.90	2.9179+00	4.6262-01	1.3622-03	4.6262-01	1.3622-03	6.0310-04	1.7266-02	2.6946+04	3.4723-04	3.3930+00
26	443.92	2.7413+00	4.3639-01	1.2823-03	4.3639-01	1.2823-03	5.6771-04	1.6253-02	2.5365+04	3.2681-04	3.7770+00
27	441.74	4.2062+00	6.6654-01	1.9556-03	6.6654-01	1.9556-03	8.6579-04	2.4786-02	3.8683+04	4.9836-04	7.1100-01
28	434.68	8.5694+00	1.3720+00	4.0054-03	1.3720+00	4.0054-03	1.7733-03	5.0767-02	7.9230+04	1.0204-03	1.0880+00
29	435.56	1.4089+01	2.2912+00	6.6930-03	2.2912+00	6.6930-03	2.9632-03	8.4832-02	1.3239+05	1.7052-03	1.3070+00
30	460.76	5.5894+01	9.2760+00	2.7584-02	9.2760+00	2.7584-02	1.2213-02	3.4962-01	5.4564+05	7.0355-03	1.6410+00
31	464.88	4.2937+01	7.2515+00	2.1628-02	7.2515+00	2.1628-02	9.5753-03	2.7412-01	4.2781+05	5.5172-03	1.7720+00
32	468.99	3.9849+00	6.6500-01	1.9892-03	6.6500-01	1.9892-03	8.8070-04	2.5213-02	3.9349+04	5.0754-04	2.4660+00
33	447.24	3.4956+00	5.7650-01	1.6980-03	5.7650-01	1.6980-03	7.5175-04	2.1521-02	3.3587+04	4.3282-04	3.0090+00
34	439.07	3.1548+00	5.0972-01	1.4926-03	5.0972-01	1.4926-03	6.6084-04	1.8919-02	2.9526+04	3.8034-04	3.3930+00
35	437.84	3.0416+00	4.7036-01	1.3762-03	4.7036-01	1.3762-03	6.0929-04	1.7443-02	2.7222+04	3.5065-04	3.7770+00
36	439.01	1.3737+01	2.2127+00	6.4794-03	2.2127+00	6.4794-03	2.8687-03	8.2125-02	1.2817+05	1.6510-03	1.3070+00
37	468.22	4.1013+00	6.9218-01	2.0694-03	6.9218-01	2.0694-03	9.1620-04	2.6229-02	4.0935+04	5.2798-04	2.4660+00
38	444.04	3.4748+00	5.6336-01	1.6555-03	5.6336-01	1.6555-03	7.3295-04	2.0983-02	3.2747+04	4.2193-04	3.0090+00
39	434.66	3.3491+00	5.3621-01	1.5654-03	5.3621-01	1.5654-03	6.9304-04	1.9841-02	3.0964+04	3.9880-04	3.3930+00
40	434.92	3.0353+00	4.8166-01	1.4064-03	4.8166-01	1.4064-03	6.2265-04	1.7825-02	2.7819+04	3.5830-04	3.7770+00
41	442.85	2.8551+00	4.4583-01	1.3090-03	4.4583-01	1.3090-03	5.7956-04	1.6592-02	2.5894+04	3.3362-04	4.1620+00
43	458.27	2.2779+00	3.7852-01	1.1236-03	3.7852-01	1.1236-03	4.9747-04	1.4242-02	2.2226+04	2.8655-04	5.3230+00
47	443.15	4.3065+00	6.8938-01	2.0246-03	6.8938-01	2.0246-03	8.9635-04	2.5661-02	4.0048+04	5.1598-04	7.1100-01
48	434.74	7.9605+00	1.2900+00	3.7661-03	1.2900+00	3.7661-03	1.6674-03	4.7734-02	7.4497+04	9.5948-04	1.0880+00
49	440.47	1.6346+01	2.6753+00	7.8421-03	2.6753+00	7.8421-03	3.4720-03	9.9396-02	1.5512+05	1.9984-03	1.3070+00
50	469.80	5.5076+01	9.2505+00	2.7688-02	9.2505+00	2.7688-02	1.2258-02	3.5093-01	5.4768+05	7.0646-03	1.6410+00
51	472.64	4.3701+01	7.4189+00	2.2251-02	7.4189+00	2.2251-02	9.8512-03	2.8202-01	4.4014+05	5.6781-03	1.7720+00
52	467.93	4.1538+00	7.0296-01	2.1012-03	7.0296-01	2.1012-03	9.3027-04	2.6632-02	4.1563+04	5.3608-04	2.4660+00
53	441.91	3.4436+00	5.5748-01	1.6358-03	5.5748-01	1.6358-03	7.2421-04	2.0733-02	3.2357+04	4.1687-04	3.0090+00
54	435.51	3.2312+00	5.1451-01	1.5029-03	5.1451-01	1.5029-03	6.6538-04	1.9049-02	2.9729+04	3.8290-04	3.3930+00
55	436.56	3.0083+00	4.7063-01	1.3758-03	4.7063-01	1.3758-03	6.0909-04	1.7437-02	2.7214+04	3.5052-04	3.7770+00
56	448.40	2.3917+00	3.6673-01	1.0810-03	3.6673-01	1.0810-03	4.7860-04	1.3701-02	2.1383+04	2.7557-04	4.1100-01
57	443.87	4.1906+00	6.6709-01	1.9601-03	6.6709-01	1.9601-03	8.6781-04	2.4844-02	3.8773+04	4.9956-04	7.1100-01
58	440.87	7.7449+00	1.2604+00	3.6957-03	1.2604+00	3.6957-03	1.6362-03	4.6841-02	7.3103+04	9.4177-04	1.0880+00
59	442.04	1.4950+01	2.4422+00	7.1665-03	2.4422+00	7.1665-03	3.1729-03	9.0834-02	1.4176+05	1.8264-03	1.3070+00
60	469.90	5.9595+01	9.9512+00	2.9787-02	9.9512+00	2.9787-02	1.3188-02	3.7754-01	5.8921+05	7.6002-03	1.6410+00
61	439.23	3.4249+00	5.5176-01	1.6159-03	5.5176-01	1.6159-03	7.1543-04	2.0482-02	3.1965+04	4.1176-04	3.0090+00
62	432.33	3.1610+00	5.0222-01	1.4637-03	5.0222-01	1.4637-03	6.4805-04	1.8553-02	2.8954+04	3.7287-04	3.3930+00
63	436.55	2.9751+00	4.6543-01	1.3605-03	4.6543-01	1.3605-03	6.0235-04	1.7244-02	2.6912+04	3.4664-04	3.7770+00
64	436.99	8.0281+00	1.3302+00	3.8896-03	1.3302+00	3.8896-03	1.7221-03	4.9300-02	7.6940+04	9.9104-04	1.0880+00
65	437.77	1.5078+01	2.4997+00	7.3134-03	2.4997+00	7.3134-03	3.2379-03	9.2695-02	1.4466+05	1.8634-03	1.3070+00
66	467.02	5.9111+01	9.9974+00	2.9863-02	9.9974+00	2.9863-02	1.3221-02	3.7851-01	5.9072+05	7.6188-03	1.6410+00
69	441.85	2.6675+00	4.4349-01	1.3013-03	4.4349-01	1.3013-03	5.7611-04	1.6493-02	2.5740+04	3.3162-04	4.1100-01
70	440.08	4.6442+00	7.7117-01	2.2599-03	7.7117-01	2.2599-03	1.0005-03	2.8643-02	4.4702+04	5.7587-04	7.1100-01
71	447.36	1.4245+01	2.3704+00	6.9822-03	2.3704+00	6.9822-03	3.0912-03	8.8497-02	1.3811+05	1.7798-03	1.3070+00
72	471.55	5.8409+01	9.9087+00	2.9695-02	9.9087+00	2.9695-02	1.3147-02	3.7637-01	5.8739+05	7.5773-03	1.6410+00
73	450.68	3.1569+00	5.0798-01	1.4998-03	5.0798-01	1.4998-03	6.6401-04	1.9009-02	2.9667+04	3.8236-04	3.7770+00
74	467.61	2.5662+00	4.2404-01	1.2672-03	4.2404-01	1.2672-03	5.6104-04	1.6061-02	2.5066+04	3.2330-04	5.3230+00
77	437.93	3.1538+00	5.1832-01	1.5166-03	5.1832-01	1.5166-03	6.7146-04	1.9223-02	3.0000+04	3.8644-04	3.0090+00
78	433.39	2.8836+00	4.6685-01	1.3617-03	4.6685-01	1.3617-03	6.0286-04	1.7259-02	2.6935+04	3.4689-04	3.3930+00
79	437.32	2.5481+00	4.0625-01	1.1882-03	4.0625-01	1.1882-03	5.2605-04	1.5060-02	2.3503+04	3.0274-04	3.7770+00
80	466.78	3.8971+00	6.6095-01	1.9740-03	6.6095-01	1.9740-03	8.7395-04	2.5020-02	3.9047+04	5.0360-04	2.4660+00
81	440.92	3.1091+00	5.1204-01	1.5014-03	5.1204-01	1.5014-03	6.6471-04	1.9030-02	2.9699+04	3.8260-04	3.0090+00
82	436.49	2.8977+00	4.7154-01	1.3783-03	4.7154-01	1.3783-03	6.1024-04	1.7470-02	2.7265+04	3.5118-04	3.3930+00
83	435.41	2.5694+00	4.1407-01	1.2094-03	4.1407-01	1.2094-03	5.3546-04	1.5329-02	2.3924+04	3.0813-04	3.7770+00
337	529.06	2.7326+01	5.2741+00	1.6490-02	5.2741+00	1.6490-02	7.3009-03	2.0901-01	3.2619+05	4.2188-03	7.1680+00
339	523.74	1.2145+01	2.3863+00	7.4314-03	2.3863+00	7.4314-03	3.2901-03	9.4191-02	1.4700+05	1.9007-03	8.1130+00
340	485.30	2.6130+00	4.9048-01	1.4846-03	4.9048-01	1.4846-03	6.5729-04	1.8817-02	2.9367+04	3.7907-04	8.6180+00
342	526.19	2.6138+01	5.1971+00	1.6215-02	5.1971+00	1.6215-02	7.1787-03	2.0551-01	3.2074+05	4.1476-03	7.1680+00
344	515.44	1.4275+01	2.8047+00	8.6803-03	2.8047+00	8.6803-03	3.8431-03	1.1002-01	1.7170+05	2.2193-03	8.1130+00
347	505.91	2.5771+01	4.9023+00	1.5065-02	4.9023+00	1.5065-02	6.6698-03	1.9094-01	2.9800+05	3.8501-03	7.1680+00
349	492.69	1.5306+01	2.9563+00	8.9968-03	2.9563+00	8.9968-03	3.9832-03	1.1403-01	1.7796+05	2.2979-03	8.1130+00
350	468.57	3.1023+00	5.4368-01	1.6258-03	5.4368-01	1.6258-03	7.1981-04	2.0607-02	3.2160+04	4.1481-04	8.6180+00
352	500.88	3.0204+01	5.5897+00	1.7113-02	5.5897+00	1.7113-02	7.5767-03	2.1691-01	3.3852+05	4.3726-03	7.1680+00
354	487.39	1.8975+01	3.6426+00	1.1043-02	3.6426+00	1.1043-02	4.8889-03	1.3996-01	2.1843+05	2.8197-03	8.1130+00
357	506.69	3.2229+01	5.9702+00	1.8357-02	5.9702+00	1.8357-02	8.1273-03	2.3267-01	3.6312+05	4.6916-03	7.1680+00
359	492.28	1.9537+01	3.5170+00	1.0700-02	3.5170+00	1.0700-02	4.7372-03	1.3562-01	2.1165+05	2.7329-03	8.1130+00
401	451.43	5.0166+00	4.1487-01	1.2255-03	4.1487-01	1.2255-03	5.4259-04	1.5533-02	2.4242+04	3.1245-04	4.5500-01
403	453.92	5.2291+00	4.2805-01	1.2667-03	4.2805-01	1.2667-03	5.6082-04	1.6055-02	2.5057+04	3.2298-04	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.3621-06	-5.6975-03	-4.3621-06	-1.9313-06	-5.5288-05	-8.6286+01	-9.5977-07	8.0100-01
405	460.77	1.0284+01	8.4578-01	2.5151-03	8.4578-01	2.5151-03	1.1135-03	3.1879-02	4.9752+04	6.4149-04	1.0510+00
406	462.97	1.6017+01	1.3271+00	3.9528-03	1.3271+00	3.9528-03	1.7500-03	5.0100-02	7.8189+04	1.0083-03	1.1670+00
407	468.89	1.9328+01	1.6365+00	4.8951-03	1.6365+00	4.8951-03	2.1672-03	6.2044-02	9.6830+04	1.2490-03	1.2830+00
408	453.99	7.0514+00	5.7034-01	1.6879-03	5.7034-01	1.6879-03	7.4728-04	2.1393-02	3.3388+04	4.3037-04	5.1300-01
409	452.67	8.1475+00	6.7037-01	1.9820-03	6.7037-01	1.9820-03	8.7752-04	2.5122-02	3.9207+04	5.0535-04	5.7000-01
410	455.35	7.8665+00	6.2528-01	1.8522-03	6.2528-01	1.8522-03	8.2005-04	2.3477-02	3.6639+04	4.7231-04	6.2800-01
411	457.68	9.7766+00	8.0716-01	2.3950-03	8.0716-01	2.3950-03	1.0604-03	3.0356-02	4.7375+04	6.1077-04	6.8600-01
412	462.11	6.6431+00	5.4683-01	1.6277-03	5.4683-01	1.6277-03	7.2064-04	2.0631-02	3.2197+04	4.1518-04	7.4400-01
413	458.57	1.0701+01	8.8930-01	2.6404-03	8.8930-01	2.6404-03	1.1690-03	3.3467-02	5.2230+04	6.7338-04	8.0100-01
414	458.83	9.8270+00	8.0712-01	2.3969-03	8.0712-01	2.3969-03	1.0612-03	3.0380-02	4.7412+04	6.1128-04	8.5900-01
415	463.26	1.1351+01	9.4069-01	2.8024-03	9.4069-01	2.8024-03	1.2407-03	3.5519-02	5.5434+04	7.1483-04	9.1700-01
416	457.81	8.1631+00	6.2587-01	1.8572-03	6.2587-01	1.8572-03	8.2227-04	2.3540-02	3.6738+04	4.7363-04	5.7000-01
417	462.84	1.3921+01	1.1465+00	3.4144-03	1.1465+00	3.4144-03	1.5117-03	4.3277-02	6.7540+04	8.7094-04	1.0520+00

34 1 11.99 -.01 .00 -.00 402 1 2.15 10.13 748.4 1778.9

8.62476+01 1.56576-02 1.12468+00 4.60970+03 1.52314-05 6.98606-08 8.43165-02 7.72000+00 7.24352-06 7.44560-02

1	441.04	2.7636+00	4.5921-01	1.3468-03	4.5921-01	1.3468-03	5.9619-04	1.7070-02	2.6647+04	3.4325-04	4.1100-01
2	435.34	4.3018+00	7.1197-01	2.0798-03	7.1197-01	2.0798-03	9.2065-04	2.6360-02	4.1149+04	5.2992-04	7.1100-01
3	446.09	1.0860+01	1.8108+00	5.3297-03	1.8108+00	5.3297-03	2.3593-03	6.7553-02	1.0545+05	1.3587-03	1.3070+00
4	475.08	4.0234+01	6.8415+00	2.0558-02	6.8415+00	2.0558-02	9.1006-03	2.6057-01	4.0676+05	5.2474-03	1.6410+00
5	479.90	3.9709+01	7.0906+00	2.1381-02	7.0906+00	2.1381-02	9.4649-03	2.7100-01	4.2304+05	5.4586-03	1.7720+00
6	467.70	3.8800+00	6.4693-01	1.9337-03	6.4693-01	1.9337-03	8.5598-04	2.4509-02	3.8259+04	4.9339-04	2.4660+00
7	446.08	3.0712+00	5.0311-01	1.4808-03	5.0311-01	1.4808-03	6.5551-04	1.8769-02	2.9298+04	3.7748-04	3.0090+00
8	437.91	2.9169+00	4.7090-01	1.3780-03	4.7090-01	1.3780-03	6.1001-04	1.7466-02	2.7265+04	3.5116-04	3.3930+00
9	436.62	2.6026+00	4.1978-01	1.2273-03	4.1978-01	1.2273-03	5.4331-04	1.5556-02	2.4283+04	3.1274-04	3.7770+00
10	460.36	2.0301+00	3.3383-01	9.9257-04	3.3383-01	9.9257-04	4.3938-04	1.2580-02	1.9638+04	2.5318-04	5.3230+00
14	433.06	7.0192+00	1.1599+00	3.3827-03	1.1599+00	3.3827-03	1.4974-03	4.2874-02	6.6928+04	8.6182-04	1.0880+00
15	436.57	1.2550+01	2.0789+00	6.0779-03	2.0789+00	6.0779-03	2.6905-03	7.7036-02	1.2025+05	1.5487-03	1.3070+00
16	469.44	4.9519+01	8.3889+00	2.5106-02	8.3889+00	2.5106-02	1.1114-02	3.1821-01	4.9673+05	6.4065-03	1.6410+00
19	447.24	2.4644+00	3.7397-01	1.1016-03	3.7397-01	1.1016-03	4.8765-04	1.3963-02	2.1796+04	2.8084-04	4.1100-01
20	443.44	4.2234+00	6.7005-01	1.9685-03	6.7005-01	1.9685-03	8.7139-04	2.4950-02	3.8947+04	5.0175-04	7.1100-01
21	434.44	7.1875+00	1.1506+00	3.3589-03	1.1506+00	3.3589-03	1.4869-03	4.2573-02	6.6457+04	8.5581-04	1.0880+00
22	434.58	1.3044+01	2.1069+00	6.1338-03	2.1069+00	6.1338-03	2.7153-03	7.7744-02	1.2136+05	1.5628-03	1.3070+00
23	707.07	1.8857-01	3.5137-02	1.2702-04	3.5137-02	1.2702-04	5.6228-05	1.6099-03	2.5131+03	3.2783-05	1.6410+00
24	453.54	3.1169+00	5.0863-01	1.5050-03	5.0863-01	1.5050-03	6.6622-04	1.9075-02	2.9777+04	3.8378-04	3.0090+00
25	447.62	2.8509+00	4.5222-01	1.3324-03	4.5222-01	1.3324-03	5.8984-04	1.6888-02	2.6363+04	3.3969-04	3.3930+00
26	444.61	2.7262+00	4.3420-01	1.2767-03	4.3420-01	1.2767-03	5.6514-04	1.6181-02	2.5259+04	3.2542-04	3.7770+00
27	442.66	3.8493+00	6.1038-01	1.7922-03	6.1038-01	1.7922-03	7.9335-04	2.2715-02	3.5459+04	4.5679-04	7.1100-01
28	436.40	7.5642+00	1.2125+00	3.5446-03	1.2125+00	3.5446-03	1.5691-03	4.4927-02	7.0132+04	9.0321-04	1.0880+00
29	439.04	1.3811+01	2.2515+00	6.5939-03	2.2515+00	6.5939-03	2.9189-03	8.3575-02	1.3046+05	1.6804-03	1.3070+00
30	474.49	5.4258+01	9.0877+00	2.7296-02	9.0877+00	2.7296-02	1.2083-02	3.4597-01	5.4007+05	6.9670-03	1.6410+00
31	475.88	4.3291+01	7.3653+00	2.2145-02	7.3653+00	2.2145-02	9.8031-03	2.8068-01	4.3815+05	5.6526-03	1.7720+00
32	469.99	4.1070+00	6.8583-01	2.0533-03	6.8583-01	2.0533-03	9.0895-04	2.6025-02	4.0626+04	5.2398-04	2.4660+00
33	448.09	3.4093+00	5.6261-01	1.6583-03	5.6261-01	1.6583-03	7.3408-04	2.1018-02	3.2810+04	4.2277-04	3.0090+00
34	439.83	3.0738+00	4.9689-01	1.4561-03	4.9689-01	1.4561-03	6.4456-04	1.8455-02	2.8809+04	3.7108-04	3.3930+00
35	438.57	2.9299+00	4.5331-01	1.3272-03	4.5331-01	1.3272-03	5.8751-04	1.6822-02	2.6259+04	3.3822-04	3.7770+00
36	442.41	1.3450+01	2.1717+00	6.3753-03	2.1717+00	6.3753-03	2.8222-03	8.0805-02	1.2614+05	1.6249-03	1.3070+00
37	469.26	4.1907+00	7.0776-01	2.1179-03	7.0776-01	2.1179-03	9.3752-04	2.6843-02	4.1903+04	5.4043-04	2.4660+00
38	444.89	3.4244+00	5.5551-01	1.6337-03	5.5551-01	1.6337-03	7.2318-04	2.0706-02	3.2323+04	4.1643-04	3.0090+00
39	435.43	3.1060+00	4.9755-01	1.4535-03	4.9755-01	1.4535-03	6.4342-04	1.8423-02	2.8758+04	3.7035-04	3.3930+00
40	435.70	2.8966+00	4.5989-01	1.3437-03	4.5989-01	1.3437-03	5.9484-04	1.7032-02	2.6587+04	3.4239-04	3.7770+00
41	443.56	2.7938+00	4.3647-01	1.2824-03	4.3647-01	1.2824-03	5.6768-04	1.6254-02	2.5373+04	3.2687-04	4.1620+00
43	458.83	2.3081+00	3.8368-01	1.1395-03	3.8368-01	1.1395-03	5.0445-04	1.4443-02	2.2547+04	2.9065-04	5.3230+00
47	444.21	4.2618+00	6.8273-01	2.0068-03	6.8273-01	2.0068-03	8.8837-04	2.5436-02	3.9706+04	5.1154-04	7.1100-01
48	436.70	7.6878+00	1.2475+00	3.6676-03	1.2475+00	3.6676-03	1.6147-03	4.6232-02	7.2169+04	9.2946-04	1.0880+00
49	443.76	1.4167+01	2.3239+00	6.8289-03	2.3239+00	6.8289-03	3.0230-03	8.6554-02	1.3511+05	1.7406-03	1.3070+00
50	483.81	5.4755+01	9.2822+00	2.8070-02	9.2822+00	2.8070-02	1.2426-02	3.5577-01	5.5537+05	7.1673-03	1.6410+00
51	483.66	4.3794+01	7.4891+00	2.2645-02	7.4891+00	2.2645-02	1.0024-02	2.8702-01	4.4804+05	5.7822-03	1.7720+00
52	468.98	4.1823+00	7.0829-01	2.1190-03	7.0829-01	2.1190-03	9.3804-04	2.6858-02	4.1926+04	5.4072-04	2.4660+00
53	442.78	3.5309+00	5.7195-01	1.6795-03	5.7195-01	1.6795-03	7.4347-04	2.1287-02	3.3230+04	4.2808-04	3.0090+00
54	436.31	3.2436+00	5.1678-01	1.5106-03	5.1678-01	1.5106-03	6.6871-04	1.9147-02	2.9888+04	3.8492-04	3.3930+00
55	437.32	3.0099+00	4.7112-01	1.3781-03	4.7112-01	1.3781-03	6.1006-04	1.7467-02	2.7267+04	3.5118-04	3.7770+00
56	449.00	2.6639+00	4.0864-01	1.2052-03	4.0864-01	1.2052-03	5.3352-04	1.5276-02	2.3846+04	3.0727-04	4.1100-01
57	444.96	4.2597+00	6.7860-01	1.9957-03	6.7860-01	1.9957-03	8.8346-04	2.5295-02	3.9487+04	5.0873-04	7.1100-01
58	442.75	7.4930+00	1.2210+00	3.5854-03	1.2210+00	3.5854-03	1.5872-03	4.5444-02	7.0939+04	9.1385-04	1.0880+00
59	445.76	1.4531+01	2.3800+00	7.0034-03	2.3800+00	7.0034-03	3.1002-03	8.8766-02	1.3857+05	1.7853-03	1.3070+00
60	485.14	5.9534+01	1.0042+01	3.0396-02	1.0042+01	3.0396-02	1.3455-02	3.8525-01	6.0139+05	7.7617-03	1.6410+00
61	440.06	3.4135+00	5.5024-01	1.6127-03	5.5024-01	1.6127-03	7.1388-04	2.0440-02	3.1907+04	4.1099-04	3.0090+00
62	433.11	3.1839+00	5.0613-01	1.4762-03	5.0613-01	1.4762-03	6.5346-04	1.8710-02	2.9207+04	3.7609-04	3.3930+00
63	437.30	2.9299+00	4.5859-01	1.3415-03	4.5859-01	1.3415-03	5.9383-04	1.7003-02	2.6541+04	3.4183-04	3.7770+00
64	438.95	7.8187+00	1.2973+00	3.7991-03	1.2973+00	3.7991-03	1.6818-03	4.8153-02	7.5168+04	9.6817-04	1.0880+00
65	441.54	1.4874+01	2.4724+00	7.2538-03	2.4724+00	7.2538-03	3.2110-03	9.1939-02	1.4352+05	1.8488-03	1.3070+00
66	482.18	5.9369+01	1.0143+01	3.0635-02	1.0143+01	3.0635-02	1.3561-02	3.8829-01	6.0614+05	7.8219-03	1.6410+00
69	442.53	2.6816+00	4.4603-01	1.3095-03	4.4603-01	1.3095-03	5.7969-04	1.6598-02	2.5910+04	3.3377-04	4.1100-01
70	441.18	4.5771+00	7.6062-01	2.2310-03	7.6062-01	2.2310-03	9.8761-04	2.8277-02	4.4142+04	5.6861-04	7.1100-01
71	450.80	1.3642+01	2.2754+00	6.7196-03	2.2754+00	6.7196-03	2.9746-03	8.5169-02	1.3295+05	1.7133-03	1.3070+00
72	486.73	5.9454+01	1.0188+01	3.0873-02	1.0188+01	3.0873-02	1.3667-02	3.9131-01	6.1084+05	7.8842-03	1.6410+00
73	451.36	2.4504+00	3.9448-01	1.1654-03	3.9448-01	1.1654-03	5.1590-04	1.4771-02	2.3058+04	2.9716-04	3.7770+00
74	468.09	2.1278+00	3.5171-01	1.0516-03	3.5171-01	1.0516-03	4.6550-04	1.3328-02	2.0806+04	2.6832-04	5.3230+00
77	438.75	3.1844+00	5.2365-01	1.5333-03	5.2365-01	1.5333-03	6.7876-04	1.9434-02	3.0338+04	3.9075-04	3.0090+00
78	434.11	2.8738+00	4.6549-01	1.3586-03	4.6549-01	1.3586-03	6.0140-04	1.7219-02	2.6880+04	3.4615-04	3.3930+00
79	437.97	2.5268+00	4.0303-01	1.1795-03	4.0303-01	1.1795-03	5.2212-04	1.4950-02	2.3337+04	3.0057-04	3.7770+00
80	467.77	3.9444+00	6.6941-01	2.0010-03	6.6941-01	2.0010-03	8.8577-04	2.5362-02	3.9590+04	5.1057-04	2.4660+00
81	441.70	3.1782+00	5.2370-01	1.5367-03	5.2370-01	1.5367-03	6.8024-04	1.9477-02	3.0404+04	3.9165-04	3.0090+00
82	437.20	2.9143+00	4.7448-01	1.3878-03	4.7448-01	1.3878-03	6.1436-04	1.7590-02	2.7459+04	3.5365-04	3.3930+00
83	436.04	2.5735+00	4.1492-01	1.2126-03	4.1492-01	1.2126-03	5.3680-04	1.5370-02	2.3993+04	3.0899-04	3.7770+00
337	535.81	2.7124+01	5.2570+00	1.6524-02	5.2570+00	1.6524-02	7.3146-03	2.0943-01	3.2693+05	4.2291-03	7.1680+00
339	526.89	1.2668+01	2.4939+00	7.7859-03	2.4939+00	7.7859-03	3.4466-03	9.8685-02	1.5405+05	1.9919-03	8.1130+00
340	485.97	2.6847+00	5.0416-01	1.5270-03	5.0416-01	1.5270-03	6.7596-04	1.9354-02	3.0212+04	3.8994-04	8.6180+00
342	532.76	2.6211+01	5.2328+00	1.6410-02	5.2328+00	1.6410-02	7.2640-03	2.0799-01	3.2467+05	4.1993-03	7.1680+00
344	519.04	1.4364+01	2.8287+00	8.7793-03	2.8287+00	8.7793-03	3.8864-03	1.1127-01	1.7370+05	2.2453-03	8.1130+00
347	512.39	2.5972+01	4.9609+00	1.5321-02	4.9609+00	1.5321-02	6.7821-03	1.9419-01	3.0313+05	3.9170-03	7.1680+00
349	496.28	1.4668+01	2.8396+00	8.6657-03	2.8396+00	8.6657-03	3.8361-03	1.0984-01	1.7146+05	2.2140-03	8.1130+00
350	469.25	2.8332+00	4.9674-01	1.4864-03	4.9674-01	1.4864-03	6.5800-04	1.8840-02	2.9410+04	3.7930-04	8.6180+00
352	507.38	2.6973+01	5.0125+00	1.5423-02	5.0125+00	1.5423-02	6.8272-03	1.9548-01	3.0515+05	3.9422-03	7.1680+00
354	491.46	1.5858+01	3.0525+00	9.2825-03	3.0525+00	9.2825-03	4.1091-03	1.1765-01	1.8366+05	2.3710-03	8.1130+00
357	513.21	2.6793+01	4.9837+00	1.5401-02	4.9837+00	1.5401-02	6.8175-03	1.9520-01	3.0471+05	3.9377-03	7.1680+00
359	496.57	1.6418+01	2.9636+00	9.0462-03	2.9636+00	9.0462-03	4.0045-03	1.1466-01	1.7898+05	2.3112-03	8.1130+00
401	452.64	4.8899+00	4.0472-01	1.1968-03	4.0472-01	1.1968-03	5.2978-04	1.5169-02	2.3679+04	3.0517-04	4.5500-01
403	455.31	5.5205+00	4.5233-01	1.3401-03	4.5233-01	1.3401-03	5.9323-04	1.6985-02	2.6515+04	3.4175-04	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0651-10	-4.0033-07	-3.0651-10	-1.3568-10	-3.8849-09	-6.0644-03	-6.7441-11	8.0100-01
405	463.32	1.0217+01	8.4171-01	2.5080-03	8.4171-01	2.5080-03	1.1102-03	3.1788-02	4.9622+04	6.3981-04	1.0510+00
406	466.68	1.4782+01	1.2278+00	3.6673-03	1.2278+00	3.6673-03	1.6234-03	4.6482-02	7.2559+04	9.3570-04	1.1670+00
407	473.34	1.8004+01	1.5289+00	4.5885-03	1.5289+00	4.5885-03	2.0312-03	5.8158-02	9.0786+04	1.1711-03	1.2830+00
408	455.82	7.2919+00	5.9053-01	1.7501-03	5.9053-01	1.7501-03	7.7474-04	2.2183-02	3.4628+04	4.4634-04	5.1300-01
409	454.65	8.2114+00	6.7655-01	2.0034-03	6.7655-01	2.0034-03	8.8686-04	2.5393-02	3.9639+04	5.1090-04	5.7000-01
410	457.34	7.8530+00	6.2504-01	1.8545-03	6.2504-01	1.8545-03	8.2092-04	2.3505-02	3.6691+04	4.7297-04	6.2800-01
411	460.12	9.5875+00	7.9286-01	2.3570-03	7.9286-01	2.3570-03	1.0434-03	2.9875-02	4.6635+04	6.0122-04	6.8600-01
412	463.75	6.1855+00	5.0972-01	1.5192-03	5.0972-01	1.5192-03	6.7252-04	1.9256-02	3.0059+04	3.8758-04	7.4400-01
413	461.19	1.0449+01	8.6990-01	2.5880-03	8.6990-01	2.5880-03	1.1456-03	3.2802-02	5.1205+04	6.6017-04	8.0100-01
414	461.22	9.6073+00	7.9035-01	2.3514-03	7.9035-01	2.3514-03	1.0409-03	2.9803-02	4.6524+04	5.9981-04	8.5900-01
415	466.00	1.0845+01	9.0042-01	2.6881-03	9.0042-01	2.6881-03	1.1899-03	3.4071-02	5.3185+04	6.8584-04	9.1700-01
416	459.84	8.0857+00	6.2078-01	1.8451-03	6.2078-01	1.8451-03	8.1677-04	2.3386-02	3.6506+04	4.7063-04	9.7000-01
417	466.21	1.3205+01	1.0899+00	3.2544-03	1.0899+00	3.2544-03	1.4406-03	4.1248-02	6.4390+04	8.3033-04	1.0520+00

34 1 11.99 -.01 .00 -.00 402 1 2.40 10.13 748.4 1779.1

8.62567+01 1.56573-02 1.12466+00 4.60994+03 1.52295-05 6.98679-08 8.43018-02 7.72000+00 7.24438-06 7.44549-02

1	441.68	2.6473+00	4.4007-01	1.2913-03	4.4007-01	1.2913-03	5.7164-04	1.6366-02	2.5545+04	3.2906-04	4.1100-01
2	436.44	4.3096+00	7.1381-01	2.0867-03	7.1381-01	2.0867-03	9.2380-04	2.6449-02	4.1282+04	5.3165-04	7.1100-01
3	448.80	1.0378+01	1.7337+00	5.1127-03	1.7337+00	5.1127-03	2.2634-03	6.4802-02	1.0115+05	1.3033-03	1.3070+00
4	484.41	3.7676+01	6.4461+00	1.9502-02	6.4461+00	1.9502-02	8.6335-03	2.4718-01	3.8581+05	4.9791-03	1.6410+00
5	489.52	3.8262+01	6.8754+00	2.0878-02	6.8754+00	2.0878-02	9.2428-03	2.6462-01	4.1304+05	5.3317-03	1.7720+00
6	468.66	3.8681+00	6.4535-01	1.9303-03	6.4535-01	1.9303-03	8.5455-04	2.4466-02	3.8187+04	4.9249-04	2.4660+00
7	446.84	3.0961+00	5.0746-01	1.4944-03	5.0746-01	1.4944-03	6.6158-04	1.8941-02	2.9564+04	3.8092-04	3.0090+00
8	438.63	2.8852+00	4.6601-01	1.3644-03	4.6601-01	1.3644-03	6.0404-04	1.7294-02	2.6993+04	3.4766-04	3.3930+00
9	437.26	2.5907+00	4.1804-01	1.2228-03	4.1804-01	1.2228-03	5.4134-04	1.5499-02	2.4191+04	3.1156-04	3.7770+00
10	460.90	2.0945+00	3.4454-01	1.0248-03	3.4454-01	1.0248-03	4.5370-04	1.2989-02	2.0274+04	2.6138-04	5.3230+00
14	434.85	6.9096+00	1.1432+00	3.3382-03	1.1432+00	3.3382-03	1.4778-03	4.2311-02	6.6040+04	8.5045-04	1.0880+00
15	439.69	1.2316+01	2.0445+00	5.9906-03	2.0445+00	5.9906-03	2.6520-03	7.5928-02	1.1851+05	1.5265-03	1.3070+00
16	481.40	4.7699+01	8.1448+00	2.4587-02	8.1448+00	2.4587-02	1.0885-02	3.1163-01	4.8641+05	6.2766-03	1.6410+00
19	447.80	2.4125+00	3.6623-01	1.0792-03	3.6623-01	1.0792-03	4.7778-04	1.3679-02	2.1351+04	2.7511-04	4.1100-01
20	444.48	4.1631+00	6.6096-01	1.9432-03	6.6096-01	1.9432-03	8.6026-04	2.4630-02	3.8443+04	4.9526-04	7.1100-01
21	436.26	7.1616+00	1.1479+00	3.3553-03	1.1479+00	3.3553-03	1.4854-03	4.2527-02	6.6378+04	8.5485-04	1.0880+00
22	437.82	1.2872+01	2.0779+00	6.0802-03	2.0779+00	6.0802-03	2.6917-03	7.7065-02	1.2029+05	1.5492-03	1.3070+00
23	707.09	8.8312-02	1.6456-02	5.9488-05	1.6456-02	5.9488-05	2.6336-05	7.5399-04	1.1769+03	1.5351-05	1.6410+00
24	454.32	3.2187+00	5.2553-01	1.5559-03	5.2553-01	1.5559-03	6.8878-04	1.9720-02	3.0780+04	3.9671-04	3.0090+00
25	448.35	2.9200+00	4.6341-01	1.3661-03	4.6341-01	1.3661-03	6.0480-04	1.7315-02	2.7027+04	3.4825-04	3.3930+00
26	445.27	2.6805+00	4.2711-01	1.2564-03	4.2711-01	1.2564-03	5.5621-04	1.5925-02	2.4856+04	3.2023-04	3.7770+00
27	443.60	3.7460+00	5.9437-01	1.7464-03	5.9437-01	1.7464-03	7.7312-04	2.2135-02	3.4548+04	4.4507-04	7.1100-01
28	438.32	7.5356+00	1.2096+00	3.5407-03	1.2096+00	3.5407-03	1.5675-03	4.4877-02	7.0046+04	9.0217-04	1.0880+00
29	442.42	1.3550+01	2.2141+00	6.5000-03	2.2141+00	6.5000-03	2.8776-03	8.2386-02	1.2859+05	1.6565-03	1.3070+00
30	487.76	5.2535+01	8.8763+00	2.6920-02	8.8763+00	2.6920-02	1.1917-02	3.4120-01	5.3256+05	6.8740-03	1.6410+00
31	486.60	4.2570+01	7.2939+00	2.2102-02	7.2939+00	2.2102-02	9.7845-03	2.8013-01	4.3724+05	5.6434-03	1.7720+00
32	471.05	4.1813+00	6.9873-01	2.0935-03	6.9873-01	2.0935-03	9.2682-04	2.6535-02	4.1417+04	5.3420-04	2.4660+00
33	448.93	3.4010+00	5.6156-01	1.6562-03	5.6156-01	1.6562-03	7.3319-04	2.0991-02	3.2764+04	4.2219-04	3.0090+00
34	440.58	3.0945+00	5.0051-01	1.4674-03	5.0051-01	1.4674-03	6.4964-04	1.8599-02	2.9031+04	3.7394-04	3.3930+00
35	439.26	2.8992+00	4.4879-01	1.3146-03	4.4879-01	1.3146-03	5.8197-04	1.6662-02	2.6007+04	3.3497-04	3.7770+00
36	445.67	1.3000+01	2.1037+00	6.1899-03	2.1037+00	6.1899-03	2.7403-03	7.8456-02	1.2246+05	1.5777-03	1.3070+00
37	470.31	4.2431+00	7.1712-01	2.1475-03	7.1712-01	2.1475-03	9.5071-04	2.7219-02	4.2485+04	5.4795-04	2.4660+00
38	445.76	3.4255+00	5.5601-01	1.6361-03	5.5601-01	1.6361-03	7.2433-04	2.0738-02	3.2368+04	4.1703-04	3.0090+00
39	436.16	2.9522+00	4.7316-01	1.3829-03	4.7316-01	1.3829-03	6.1223-04	1.7528-02	2.7359+04	3.5234-04	3.3930+00
40	436.40	2.9377+00	4.6664-01	1.3641-03	4.6664-01	1.3641-03	6.0390-04	1.7290-02	2.6987+04	3.4755-04	3.7770+00
41	444.25	2.7777+00	4.3417-01	1.2762-03	4.3417-01	1.2762-03	5.6499-04	1.6176-02	2.5248+04	3.2527-04	4.1620+00
43	459.41	2.2421+00	3.7285-01	1.1079-03	3.7285-01	1.1079-03	4.9045-04	1.4042-02	2.1917+04	2.8254-04	5.3230+00
47	445.26	4.0966+00	6.5674-01	1.9319-03	6.5674-01	1.9319-03	8.5524-04	2.4486-02	3.8219+04	4.9239-04	7.1100-01
48	438.58	7.5906+00	1.2334+00	3.6110-03	1.2334+00	3.6110-03	1.5986-03	4.5768-02	7.1437+04	9.2010-04	1.0880+00
49	447.32	1.3816+01	2.2719+00	6.6927-03	2.2719+00	6.6927-03	2.9629-03	8.4828-02	1.3240+05	1.7060-03	1.3070+00
50	497.16	5.3104+01	9.0808+00	2.7730-02	9.0808+00	2.7730-02	1.2276-02	3.5147-01	5.4859+05	7.0840-03	1.6410+00
51	494.60	4.3521+01	7.4956+00	2.2846-02	7.4956+00	2.2846-02	1.0114-02	2.8957-01	4.5197+05	5.8357-03	1.7720+00
52	470.02	4.1652+00	7.0588-01	2.1134-03	7.0588-01	2.1134-03	9.3561-04	2.6787-02	4.1810+04	5.3924-04	2.4660+00
53	443.64	3.4125+00	5.5310-01	1.6251-03	5.5310-01	1.6251-03	7.1945-04	2.0598-02	3.2150+04	4.1418-04	3.0090+00
54	437.13	3.2203+00	5.1335-01	1.5015-03	5.1335-01	1.5015-03	6.6470-04	1.9030-02	2.9704+04	3.8255-04	3.3930+00
55	438.07	2.9688+00	4.6494-01	1.3608-03	4.6494-01	1.3608-03	6.0241-04	1.7247-02	2.6920+04	3.4672-04	3.7770+00
56	449.70	2.5751+00	3.9520-01	1.1662-03	3.9520-01	1.1662-03	5.1627-04	1.4781-02	2.3071+04	2.9729-04	4.1100-01
57	446.03	4.2177+00	6.7239-01	1.9790-03	6.7239-01	1.9790-03	8.7610-04	2.5083-02	3.9150+04	5.0441-04	7.1100-01
58	444.60	7.2935+00	1.1900+00	3.4989-03	1.1900+00	3.4989-03	1.5490-03	4.4348-02	6.9220+04	8.9177-04	1.0880+00
59	449.28	1.3942+01	2.2890+00	6.7525-03	2.2890+00	6.7525-03	2.9894-03	8.5587-02	1.3359+05	1.7214-03	1.3070+00
60	499.68	5.7502+01	9.7907+00	2.9954-02	9.7907+00	2.9954-02	1.3261-02	3.7965-01	5.9258+05	7.6528-03	1.6410+00
61	440.94	3.4478+00	5.5610-01	1.6308-03	5.5610-01	1.6308-03	7.2198-04	2.0670-02	3.2263+04	4.1559-04	3.0090+00
62	433.95	3.1600+00	5.0262-01	1.4668-03	5.0262-01	1.4668-03	6.4936-04	1.8591-02	2.9018+04	3.7367-04	3.3930+00
63	438.03	2.9081+00	4.5541-01	1.3328-03	4.5541-01	1.3328-03	5.9004-04	1.6893-02	2.6367+04	3.3960-04	3.7770+00
64	440.86	7.6125+00	1.2648+00	3.7089-03	1.2648+00	3.7089-03	1.6419-03	4.7009-02	7.3373+04	9.4513-04	1.0880+00
65	445.21	1.4407+01	2.4008+00	7.0618-03	2.4008+00	7.0618-03	3.1263-03	8.9507-02	1.3971+05	1.7999-03	1.3070+00
66	496.79	5.7876+01	9.9820+00	3.0474-02	9.9820+00	3.0474-02	1.3491-02	3.8625-01	6.0287+05	7.7847-03	1.6410+00
69	443.19	2.6281+00	4.3733-01	1.2846-03	4.3733-01	1.2846-03	5.6869-04	1.6282-02	2.5413+04	3.2738-04	4.1100-01
70	442.32	4.4925+00	7.4714-01	2.1932-03	7.4714-01	2.1932-03	9.7095-04	2.7799-02	4.3389+04	5.5894-04	7.1100-01
71	454.07	1.3298+01	2.2229+00	6.5799-03	2.2229+00	6.5799-03	2.9129-03	8.3398-02	1.3017+05	1.6777-03	1.3070+00
72	501.39	5.7778+01	9.9947+00	3.0616-02	9.9947+00	3.0616-02	1.3554-02	3.8805-01	6.0569+05	7.8227-03	1.6410+00
73	451.91	2.3273+00	3.7480-01	1.1077-03	3.7480-01	1.1077-03	4.9039-04	1.4040-02	2.1914+04	2.8241-04	3.7770+00
74	468.63	2.0945+00	3.4634-01	1.0359-03	3.4634-01	1.0359-03	4.5860-04	1.3130-02	2.0494+04	2.6430-04	5.3230+00
77	439.53	3.1553+00	5.1915-01	1.5210-03	5.1915-01	1.5210-03	6.7335-04	1.9278-02	3.0090+04	3.8757-04	3.0090+00
78	434.81	2.8260+00	4.5797-01	1.3373-03	4.5797-01	1.3373-03	5.9202-04	1.6950-02	2.6456+04	3.4069-04	3.3930+00
79	438.59	2.4945+00	3.9807-01	1.1655-03	3.9807-01	1.1655-03	5.1595-04	1.4772-02	2.3056+04	2.9696-04	3.7770+00
80	468.75	3.9470+00	6.7029-01	2.0050-03	6.7029-01	2.0050-03	8.8763-04	2.5413-02	3.9666+04	5.1156-04	2.4660+00
81	442.50	3.1413+00	5.1791-01	1.5205-03	5.1791-01	1.5205-03	6.7314-04	1.9272-02	3.0081+04	3.8750-04	3.0090+00
82	437.92	2.8961+00	4.7176-01	1.3806-03	4.7176-01	1.3806-03	6.1118-04	1.7498-02	2.7312+04	3.5176-04	3.3930+00
83	436.71	2.5886+00	4.1755-01	1.2209-03	4.1755-01	1.2209-03	5.4049-04	1.5474-02	2.4153+04	3.1106-04	3.7770+00
337	542.63	2.7284+01	5.3100+00	1.6777-02	5.3100+00	1.6777-02	7.4272-03	2.1264-01	3.3190+05	4.2947-03	7.1680+00
339	530.11	1.2989+01	2.5621+00	8.0184-03	2.5621+00	8.0184-03	3.5498-03	1.0163-01	1.5863+05	2.0514-03	8.1130+00
340	486.64	2.7403+00	5.1482-01	1.5600-03	5.1482-01	1.5600-03	6.9064-04	1.9773-02	3.0863+04	3.9834-04	8.6180+00
342	539.33	2.5999+01	5.2114+00	1.6424-02	5.2114+00	1.6424-02	7.2710-03	2.0817-01	3.2492+05	4.2037-03	7.1680+00
344	522.65	1.4430+01	2.8480+00	8.8631-03	2.8480+00	8.8631-03	3.9237-03	1.1234-01	1.7534+05	2.2668-03	8.1130+00
347	518.90	2.5991+01	4.9849+00	1.5470-02	4.9849+00	1.5470-02	6.8486-03	1.9608-01	3.0605+05	3.9558-03	7.1680+00
349	499.95	1.4661+01	2.8449+00	8.7053-03	2.8449+00	8.7053-03	3.8539-03	1.1034-01	1.7222+05	2.2241-03	8.1130+00
350	469.96	2.8306+00	4.9652-01	1.4865-03	4.9652-01	1.4865-03	6.5809-04	1.8841-02	2.9408+04	3.7929-04	8.6180+00
352	514.12	2.6869+01	5.0144+00	1.5506-02	5.0144+00	1.5506-02	6.8646-03	1.9654-01	3.0676+05	3.9642-03	7.1680+00
354	495.19	1.5112+01	2.9158+00	8.8911-03	2.9158+00	8.8911-03	3.9361-03	1.1269-01	1.7589+05	2.2711-03	8.1130+00
357	519.75	2.6263+01	4.9054+00	1.5233-02	4.9054+00	1.5233-02	6.7437-03	1.9307-01	3.0136+05	3.8954-03	7.1680+00
359	500.28	1.5381+01	2.7832+00	8.5186-03	2.7832+00	8.5186-03	3.7712-03	1.0797-01	1.6853+05	2.1765-03	8.1130+00
401	453.83	4.9803+00	4.1254-01	1.2209-03	4.1254-01	1.2209-03	5.5475-04	1.5475-02	2.4154+04	3.1130-04	4.5500-01
403	456.70	5.6322+00	4.6192-01	1.3699-03	4.6192-01	1.3699-03	6.0644-04	1.7363-02	2.7100+04	3.4932-04	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.3593-06	-5.6936-03	-4.3593-06	-1.9299-06	-5.5252-05	-8.6240+01	-9.5914-07	8.0100-01
405	465.86	1.0158+01	8.3827-01	2.5023-03	8.3827-01	2.5023-03	1.1078-03	3.1716-02	4.9503+04	6.3835-04	1.0510+00
406	470.21	1.4062+01	1.1708+00	3.5058-03	1.1708+00	3.5058-03	1.5520-03	4.4435-02	6.9356+04	8.9452-04	1.1670+00
407	477.67	1.7335+01	1.4764+00	4.4448-03	1.4764+00	4.4448-03	1.9677-03	5.6336-02	8.7932+04	1.1345-03	1.2830+00
408	457.64	7.2379+00	5.8688-01	1.7416-03	5.8688-01	1.7416-03	7.7100-04	2.2074-02	3.4454+04	4.4413-04	5.1300-01
409	456.78	8.3813+00	6.9154-01	2.0509-03	6.9154-01	2.0509-03	9.0795-04	2.5995-02	4.0574+04	5.2300-04	5.7000-01
410	459.28	7.8016+00	6.2177-01	1.8473-03	6.2177-01	1.8473-03	8.1781-04	2.3414-02	3.6546+04	4.7112-04	6.2800-01
411	462.49	9.3875+00	7.7756-01	2.3155-03	7.7756-01	2.3155-03	1.0251-03	2.9348-02	4.5807+04	5.9060-04	6.8600-01
412	465.29	6.1319+00	5.0583-01	1.5093-03	5.0583-01	1.5093-03	6.6818-04	1.9130-02	2.9859+04	3.8503-04	7.4400-01
413	463.69	1.0105+01	8.4265-01	2.5114-03	8.4265-01	2.5114-03	1.1118-03	3.1832-02	4.9684+04	6.4063-04	8.0100-01
414	463.60	9.3636+00	7.7154-01	2.2994-03	7.7154-01	2.2994-03	1.0179-03	2.9144-02	4.5489+04	5.8652-04	8.5900-01
415	468.64	1.0519+01	8.7493-01	2.6169-03	8.7493-01	2.6169-03	1.1585-03	3.3169-02	5.1771+04	6.6768-04	9.1700-01
416	461.86	8.0649+00	6.2004-01	1.8455-03	6.2004-01	1.8455-03	8.1703-04	2.3392-02	3.6511+04	4.7073-04	5.7000-01
417	469.34	1.2656+01	1.0468+00	3.1326-03	1.0468+00	3.1326-03	1.3868-03	3.9705-02	6.1973+04	7.9927-04	1.0520+00

34 1 11.99 -.01 .00 -.00 402 1 2.65 10.13 748.4 1778.9

8.62476+01 1.56576-02 1.12468+00 4.60970+03 1.52314-05 6.98606-08 8.43165-02 7.72000+00 7.24352-06 7.44560-02

1	442.32	2.5938+00	4.3137-01	1.2659-03	4.3137-01	1.2659-03	5.6039-04	1.6045-02	2.5047+04	3.2275-04	4.1100-01
2	437.49	4.2192+00	6.9935-01	2.0454-03	6.9935-01	2.0454-03	9.0544-04	2.5925-02	4.0469+04	5.2136-04	7.1100-01
3	451.33	1.0155+01	1.6994+00	5.0191-03	1.6994+00	5.0191-03	2.2218-03	6.3616-02	9.9306+04	1.2801-03	1.3070+00
4	493.74	3.7186+01	6.4010+00	1.9492-02	6.4010+00	1.9492-02	8.6285-03	2.4705-01	3.8566+05	4.9808-03	1.6410+00
5	498.96	3.7517+01	6.7830+00	2.0735-02	6.7830+00	2.0735-02	9.1786-03	2.6280-01	4.1024+05	5.2995-03	1.7720+00
6	469.62	3.9008+00	6.5123-01	1.9487-03	6.5123-01	1.9487-03	8.6262-04	2.4699-02	3.8555+04	4.9741-04	2.4660+00
7	447.62	3.0603+00	5.0185-01	1.4783-03	5.0185-01	1.4783-03	6.5440-04	1.8737-02	2.9249+04	3.7698-04	3.0090+00
8	439.34	2.8930+00	4.6750-01	1.3691-03	4.6750-01	1.3691-03	6.0606-04	1.7353-02	2.7088+04	3.4900-04	3.3930+00
9	437.92	2.5844+00	4.1723-01	1.2206-03	4.1723-01	1.2206-03	5.4034-04	1.5471-02	2.4151+04	3.1114-04	3.7770+00
10	461.41	2.1049+00	3.4637-01	1.0304-03	3.4637-01	1.0304-03	4.5611-04	1.3059-02	2.0386+04	2.6291-04	5.3230+00
14	436.55	6.7761+00	1.1224+00	3.2806-03	1.1224+00	3.2806-03	1.4522-03	4.1581-02	6.4909+04	8.3618-04	1.0880+00
15	442.72	1.2124+01	2.0168+00	5.9204-03	2.0168+00	5.9204-03	2.6208-03	7.5039-02	1.1714+05	1.5094-03	1.3070+00
16	493.22	4.6856+01	8.0628+00	2.4543-02	8.0628+00	2.4543-02	1.0865-02	3.1108-01	4.8560+05	6.2714-03	1.6410+00
19	448.44	2.4842+00	3.7728-01	1.1120-03	3.7728-01	1.1120-03	4.9224-04	1.4094-02	2.2001+04	2.8358-04	4.1100-01
20	445.51	4.1714+00	6.6275-01	1.9493-03	6.6275-01	1.9493-03	8.6292-04	2.4707-02	3.8569+04	4.9705-04	7.1100-01
21	438.01	6.9964+00	1.1228+00	3.2850-03	1.1228+00	3.2850-03	1.4542-03	4.1636-02	6.4996+04	8.3735-04	1.0880+00
22	441.00	1.2730+01	2.0596+00	6.0386-03	2.0596+00	6.0386-03	2.6731-03	7.6538-02	1.1948+05	1.5395-03	1.3070+00
23	707.11	1.2052-01	2.2458-02	8.1158-05	2.2458-02	8.1158-05	3.5927-05	1.0287-03	1.6058+03	2.0954-05	1.6410+00
24	455.14	3.2353+00	5.2853-01	1.5652-03	5.2853-01	1.5652-03	6.9288-04	1.9839-02	3.0969+04	3.9927-04	3.0090+00
25	449.07	2.9065+00	4.6149-01	1.3608-03	4.6149-01	1.3608-03	6.0239-04	1.7248-02	2.6924+04	3.4704-04	3.3930+00
26	445.95	2.6545+00	4.2317-01	1.2450-03	4.2317-01	1.2450-03	5.5115-04	1.5781-02	2.4634+04	3.1748-04	3.7770+00
27	444.51	3.6795+00	5.8419-01	1.7171-03	5.8419-01	1.7171-03	7.6010-04	2.1763-02	3.3973+04	4.3781-04	7.1100-01
28	440.17	7.4057+00	1.1903+00	3.4877-03	1.1903+00	3.4877-03	1.5439-03	4.4206-02	6.9006+04	8.8911-04	1.0880+00
29	445.81	1.3330+01	2.1832+00	6.4229-03	2.1832+00	6.4229-03	2.8432-03	8.1408-02	1.2708+05	1.6378-03	1.3070+00
30	500.74	5.1305+01	8.7417+00	2.6757-02	8.7417+00	2.6757-02	1.1845-02	3.3914-01	5.2940+05	6.8394-03	1.6410+00
31	497.16	4.1963+01	7.2391+00	2.2100-02	7.2391+00	2.2100-02	9.7829-03	2.8011-01	4.3725+05	5.6480-03	1.7720+00
32	472.10	4.1881+00	7.0035-01	2.0994-03	7.0035-01	2.0994-03	9.2934-04	2.6609-02	4.1537+04	5.3594-04	2.4660+00
33	449.80	3.4161+00	5.6439-01	1.6651-03	5.6439-01	1.6651-03	7.3708-04	2.1104-02	3.2944+04	4.2464-04	3.0090+00
34	441.37	3.1299+00	5.0650-01	1.4854-03	5.0650-01	1.4854-03	6.5755-04	1.8827-02	2.9389+04	3.7869-04	3.3930+00
35	440.01	2.9460+00	4.5626-01	1.3368-03	4.5626-01	1.3368-03	5.9177-04	1.6944-02	2.6450+04	3.4079-04	3.7770+00
36	448.89	1.2535+01	2.0328+00	5.9935-03	2.0328+00	5.9935-03	2.6531-03	7.5965-02	1.1858+05	1.5285-03	1.3070+00
37	471.38	4.2068+00	7.1148-01	2.1316-03	7.1148-01	2.1316-03	9.4362-04	2.7018-02	4.2176+04	5.4415-04	2.4660+00
38	446.62	3.4042+00	5.5288-01	1.6275-03	5.5288-01	1.6275-03	7.2043-04	2.0628-02	3.2200+04	4.1500-04	3.0090+00
39	436.93	3.2291+00	5.1781-01	1.5139-03	5.1781-01	1.5139-03	6.7014-04	1.9188-02	2.9953+04	3.8587-04	3.3930+00
40	437.12	2.9533+00	4.6935-01	1.3724-03	4.6935-01	1.3724-03	6.0751-04	1.7394-02	2.7153+04	3.4980-04	3.7770+00
41	444.94	2.7496+00	4.2999-01	1.2642-03	4.2999-01	1.2642-03	5.5963-04	1.6023-02	2.5013+04	3.2234-04	4.1620+00
43	459.96	2.2457+00	3.7360-01	1.1102-03	3.7360-01	1.1102-03	4.9145-04	1.4071-02	2.1966+04	2.8326-04	5.3230+00
47	446.26	3.9429+00	6.3253-01	1.8614-03	6.3253-01	1.8614-03	8.2401-04	2.3593-02	3.6830+04	4.7465-04	7.1100-01
48	440.44	7.3673+00	1.1986+00	3.5128-03	1.1986+00	3.5128-03	1.5550-03	4.4524-02	6.9504+04	8.9553-04	1.0880+00
49	450.70	1.3472+01	2.2206+00	6.5554-03	2.2206+00	6.5554-03	2.9019-03	8.3087-02	1.2970+05	1.6719-03	1.3070+00
50	510.29	5.1972+01	8.9623+00	2.7627-02	8.9623+00	2.7627-02	1.2230-02	3.5016-01	5.4662+05	7.0648-03	1.6410+00
51	505.45	4.2966+01	7.4518+00	2.2888-02	7.4518+00	2.2888-02	1.0132-02	2.9010-01	4.5286+05	5.8517-03	1.7720+00
52	471.07	4.1964+00	7.1166-01	2.1317-03	7.1166-01	2.1317-03	9.4364-04	2.7019-02	4.2177+04	5.4416-04	2.4660+00
53	444.50	3.4156+00	5.5393-01	1.6281-03	5.5393-01	1.6281-03	7.2071-04	2.0636-02	3.2213+04	4.1512-04	3.0090+00
54	437.93	3.1600+00	5.0402-01	1.4746-03	5.0402-01	1.4746-03	6.5275-04	1.8690-02	2.9175+04	3.7587-04	3.3930+00
55	438.80	2.8805+00	4.5134-01	1.3212-03	4.5134-01	1.3212-03	5.8488-04	1.6746-02	2.6142+04	3.3680-04	3.7770+00
56	450.29	2.2416+00	3.4416-01	1.0157-03	3.4416-01	1.0157-03	4.4962-04	1.2874-02	2.0096+04	2.5904-04	4.1100-01
57	447.36	4.1860+00	6.6782-01	1.9664-03	6.6782-01	1.9664-03	8.7047-04	2.4923-02	3.8906+04	5.0143-04	7.1100-01
58	446.38	7.1688+00	1.1711+00	3.4467-03	1.1711+00	3.4467-03	1.5258-03	4.3686-02	6.8195+04	8.7890-04	1.0880+00
59	452.68	1.3671+01	2.2497+00	6.6507-03	2.2497+00	6.6507-03	2.9441-03	8.4296-02	1.3159+05	1.6964-03	1.3070+00
60	513.88	5.6185+01	9.6534+00	2.9837-02	9.6534+00	2.9837-02	1.3208-02	3.7817-01	5.9034+05	7.6311-03	1.6410+00
61	441.81	3.4894+00	5.6314-01	1.6520-03	5.6314-01	1.6520-03	7.3131-04	2.0939-02	3.2686+04	4.2118-04	3.0090+00
62	434.71	3.1886+00	5.0744-01	1.4812-03	5.0744-01	1.4812-03	6.5570-04	1.8774-02	2.9307+04	3.7751-04	3.3930+00
63	438.74	2.8431+00	4.4546-01	1.3040-03	4.4546-01	1.3040-03	5.7724-04	1.6528-02	2.5800+04	3.3240-04	3.7770+00
64	442.75	7.5595+00	1.2576+00	3.6917-03	1.2576+00	3.6917-03	1.6342-03	4.6792-02	7.3043+04	9.4122-04	1.0880+00
65	448.76	1.3878+01	2.3183+00	6.8344-03	2.3183+00	6.8344-03	3.0254-03	8.6625-02	1.3522+05	1.7429-03	1.3070+00
66	511.11	5.6546+01	9.8424+00	3.0358-02	9.8424+00	3.0358-02	1.3439-02	3.8478-01	6.0066+05	7.7635-03	1.6410+00
69	443.83	2.5642+00	4.2689-01	1.2541-03	4.2689-01	1.2541-03	5.5516-04	1.5896-02	2.4813+04	3.1976-04	4.1100-01
70	443.44	4.4416+00	7.3925-01	2.1711-03	7.3925-01	2.1711-03	9.6111-04	2.7519-02	4.2957+04	5.5356-04	7.1100-01
71	457.38	1.3376+01	2.2410+00	6.6471-03	2.2410+00	6.6471-03	2.9425-03	8.4250-02	1.3152+05	1.6958-03	1.3070+00
72	515.67	5.6278+01	9.8240+00	3.0405-02	9.8240+00	3.0405-02	1.3459-02	3.8537-01	6.0158+05	7.7770-03	1.6410+00
73	452.44	2.4130+00	3.8875-01	1.1490-03	3.8875-01	1.1490-03	5.0865-04	1.4564-02	2.2734+04	2.9308-04	3.7770+00
74	469.15	2.0909+00	3.4586-01	1.0346-03	3.4586-01	1.0346-03	4.5797-04	1.3113-02	2.0469+04	2.6407-04	5.3230+00
77	440.30	3.1605+00	5.2029-01	1.5247-03	5.2029-01	1.5247-03	6.7494-04	1.9325-02	3.0167+04	3.8869-04	3.0090+00
78	435.50	2.7881+00	4.5204-01	1.3202-03	4.5204-01	1.3202-03	5.8443-04	1.6734-02	2.6122+04	3.3649-04	3.3930+00
79	439.21	2.5174+00	4.0169-01	1.1768-03	4.0189-01	1.1768-03	5.2095-04	1.4916-02	2.3284+04	2.9999-04	3.7770+00
80	469.73	3.9626+00	6.7338-01	2.0151-03	6.7338-01	2.0151-03	8.9202-04	2.5540-02	3.9869+04	5.1436-04	2.4660+00
81	443.29	3.1117+00	5.1331-01	1.5074-03	5.1331-01	1.5074-03	6.6729-04	1.9106-02	2.9825+04	3.8433-04	3.0090+00
82	438.65	2.8784+00	4.6912-01	1.3732-03	4.6912-01	1.3732-03	6.0786-04	1.7404-02	2.7169+04	3.5003-04	3.3930+00
83	437.34	2.5382+00	4.0960-01	1.1978-03	4.0960-01	1.1978-03	5.3025-04	1.5182-02	2.3700+04	3.0532-04	3.7770+00
337	549.44	2.7242+01	5.3239+00	1.6903-02	5.3239+00	1.6903-02	7.4826-03	2.1424-01	3.3444+05	4.3303-03	7.1680+00
339	533.37	1.3097+01	2.5887+00	8.1191-03	2.5887+00	8.1191-03	3.5941-03	1.0291-01	1.6064+05	2.0784-03	8.1130+00
340	487.32	2.7491+00	5.1671-01	1.5661-03	5.1671-01	1.5661-03	6.9327-04	1.9850-02	3.0986+04	4.0007-04	8.6180+00
342	545.76	2.5757+01	5.1833+00	1.6411-02	5.1833+00	1.6411-02	7.2646-03	2.0800-01	3.2469+05	4.2034-03	7.1680+00
344	526.25	1.4452+01	2.8589+00	8.9185-03	2.8589+00	8.9185-03	3.9480-03	1.1304-01	1.7646+05	2.2823-03	8.1130+00
347	525.39	2.5972+01	5.0015+00	1.5593-02	5.0015+00	1.5593-02	6.9024-03	1.9763-01	3.0851+05	3.9901-03	7.1680+00
349	503.61	1.4659+01	2.8512+00	8.7456-03	2.8512+00	8.7456-03	3.8714-03	1.1085-01	1.7304+05	2.2358-03	8.1130+00
350	470.67	2.8883+00	5.0688-01	1.5179-03	5.0688-01	1.5179-03	6.7191-04	1.9238-02	3.0032+04	3.8746-04	8.6180+00
352	520.81	2.6660+01	4.9965+00	1.5523-02	4.9965+00	1.5523-02	6.8718-03	1.9675-01	3.0714+05	3.9716-03	7.1680+00
354	498.91	1.4917+01	2.8851+00	8.8191-03	2.8851+00	8.8191-03	3.9040-03	1.1178-01	1.7449+05	2.2561-03	8.1130+00
357	526.29	2.6028+01	4.8812+00	1.5228-02	4.8812+00	1.5228-02	6.7410-03	1.9301-01	3.0129+05	3.8969-03	7.1680+00
359	504.12	1.5304+01	2.7761+00	8.5185-03	2.7761+00	8.5185-03	3.7709-03	1.0797-01	1.6854+05	2.1778-03	8.1130+00
401	455.16	5.2114+00	4.3208-01	1.2796-03	4.3208-01	1.2796-03	5.6643-04	1.6218-02	2.5317+04	3.2641-04	4.5500-01
403	458.12	5.6945+00	4.6748-01	1.3874-03	4.6748-01	1.3874-03	6.1415-04	1.7584-02	2.7450+04	3.5395-04	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1776-06	-2.8443-03	-2.1776-06	-9.6395-07	-2.7600-05	-4.3084+01	-4.7916-07	8.0100-01
405	468.41	1.0188+01	8.4215-01	2.5177-03	8.4215-01	2.5177-03	1.1145-03	3.1912-02	4.9815+04	6.4263-04	1.0510+00
406	473.67	1.3655+01	1.1395+00	3.4197-03	1.1395+00	3.4197-03	1.5138-03	4.3344-02	6.7662+04	8.7306-04	1.1670+00
407	481.97	1.7140+01	1.4639+00	4.4198-03	1.4639+00	4.4198-03	1.9565-03	5.6019-02	8.7448+04	1.1268-03	1.2830+00
408	459.44	7.1127+00	5.7743-01	1.7153-03	5.7743-01	1.7153-03	7.5931-04	2.1741-02	3.3938+04	4.3764-04	5.1300-01
409	458.83	8.1486+00	6.7327-01	1.9991-03	6.7327-01	1.9991-03	8.8495-04	2.5338-02	3.9553+04	5.1004-04	5.7000-01
410	461.24	7.7964+00	6.2218-01	1.8506-03	6.2218-01	1.8506-03	8.1920-04	2.3455-02	3.6615+04	4.7219-04	6.2800-01
411	464.77	9.2000+00	7.6320-01	2.2758-03	7.6320-01	2.2758-03	1.0074-03	2.8845-02	4.5027+04	5.8078-04	6.8600-01
412	466.80	5.9740+00	4.9330-01	1.4731-03	4.9330-01	1.4731-03	6.5210-04	1.8671-02	2.9146+04	3.7597-04	7.4400-01
413	466.19	9.8140+00	8.1976-01	2.4469-03	8.1976-01	2.4469-03	1.0832-03	3.1014-02	4.8413+04	6.2449-04	8.0100-01
414	465.92	9.2218+00	7.6104-01	2.2712-03	7.6104-01	2.2712-03	1.0054-03	2.8787-02	4.4937+04	5.7964-04	8.5900-01
415	471.23	1.0252+01	8.5415-01	2.5588-03	8.5415-01	2.5588-03	1.1327-03	3.2432-02	5.0628+04	6.5320-04	9.1700-01
416	463.88	7.9470+00	6.1180-01	1.8231-03	6.1180-01	1.8231-03	8.0705-04	2.3108-02	3.6072+04	4.6525-04	5.7000-01
417	472.55	1.2604+01	1.0447+00	3.1328-03	1.0447+00	3.1328-03	1.3868-03	3.9707-02	6.1984+04	7.9976-04	1.0520+00

34 1 11.99 -.01 .00 -.00 402 1 3.15 10.13 748.4 1779.2

8.62657+01 1.56571-02 1.12464+00 4.61013+03 1.52277-05 6.98752-08 8.42872-02 7.72000+00 7.24524-06 7.44539-02

1	443.64	2.5584+00	4.2588-01	1.2506-03	4.2588-01	1.2506-03	5.5369-04	1.5851-02	2.4738+04	3.1887-04	4.1100-01
2	439.55	4.1506+00	6.8897-01	2.0174-03	6.8897-01	2.0174-03	8.9317-04	2.5570-02	3.9906+04	5.1428-04	7.1100-01
3	456.37	1.0338+01	1.7359+00	5.1438-03	1.7359+00	5.1438-03	2.2773-03	6.5196-02	1.0175+05	1.3122-03	1.3070+00
4	512.16	3.6447+01	6.3462+00	1.9590-02	6.3482+00	1.9590-02	8.6732-03	2.4830-01	3.8751+05	5.0102-03	1.6410+00
5	517.37	3.6055+01	6.5952+00	2.0432-02	6.5952+00	2.0432-02	9.0458-03	2.5897-01	4.0416+05	5.2266-03	1.7720+00
6	471.61	3.9657+00	6.6295-01	1.9860-03	6.6295-01	1.9860-03	8.7927-04	2.5172-02	3.9285+04	5.0700-04	2.4660+00
7	449.14	3.1008+00	5.0903-01	1.5006-03	5.0903-01	1.5006-03	6.6438-04	1.9020-02	2.9684+04	3.8271-04	3.0090+00
8	440.79	2.9070+00	4.7024-01	1.3781-03	4.7024-01	1.3781-03	6.1015-04	1.7467-02	2.7261+04	3.5134-04	3.3930+00
9	439.19	2.5512+00	4.1222-01	1.2067-03	4.1222-01	1.2067-03	5.3426-04	1.5295-02	2.3870+04	3.0762-04	3.7770+00
10	462.41	2.0691+00	3.4070-01	1.0139-03	3.4070-01	1.0139-03	4.4890-04	1.2851-02	2.0056+04	2.5874-04	5.3230+00
14	439.84	6.6888+00	1.1105+00	3.2524-03	1.1105+00	3.2524-03	1.4399-03	4.1223-02	6.4335+04	8.2913-04	1.0880+00
15	448.72	1.1663+01	1.9483+00	5.7419-03	1.9483+00	5.7419-03	2.5421-03	7.2777-02	1.1358+05	1.4643-03	1.3070+00
16	516.17	4.5055+01	7.8672+00	2.4350-02	7.8672+00	2.4350-02	1.0781-02	3.0863-01	4.8167+05	6.2287-03	1.6410+00
19	449.72	2.4494+00	3.7232-01	1.0981-03	3.7232-01	1.0981-03	4.8614-04	1.3917-02	2.1720+04	2.8005-04	4.1100-01
20	447.60	4.1777+00	6.6470-01	1.9574-03	6.6470-01	1.9574-03	8.6660-04	2.4809-02	3.8719+04	4.9916-04	7.1100-01
21	441.44	6.9065+00	1.1110+00	3.2575-03	1.1110+00	3.2575-03	1.4422-03	4.1287-02	6.4435+04	8.3048-04	1.0880+00
22	447.33	1.2446+01	2.0224+00	5.9545-03	2.0224+00	5.9545-03	2.6363-03	7.5471-02	1.1778+05	1.5185-03	1.3070+00
23	707.18	9.7662-02	1.8199-02	6.5749-05	1.8199-02	6.5749-05	2.9109-05	8.3334-04	1.3006+03	1.6976-05	1.6410+00
24	456.77	3.2197+00	5.2657-01	1.5608-03	5.2657-01	1.5608-03	6.9100-04	1.9782-02	3.0873+04	3.9818-04	3.0090+00
25	450.52	2.9138+00	4.6311-01	1.3666-03	4.6311-01	1.3666-03	6.0503-04	1.7321-02	2.7032+04	3.4854-04	3.3930+00
26	447.26	2.6894+00	4.2911-01	1.2633-03	4.2911-01	1.2633-03	5.5932-04	1.6012-02	2.4990+04	3.2216-04	3.7770+00
27	446.33	3.5891+00	5.7055-01	1.6786-03	5.7055-01	1.6786-03	7.4319-04	2.1276-02	3.3205+04	4.2806-04	7.1100-01
28	443.85	7.3003+00	1.1763+00	3.4548-03	1.1763+00	3.4548-03	1.5295-03	4.3788-02	6.8338+04	8.8087-04	1.0880+00
29	452.28	1.2790+01	2.1042+00	6.2169-03	2.1042+00	6.2169-03	2.7524-03	7.8798-02	1.2298+05	1.5857-03	1.3070+00
30	525.78	4.9236+01	8.5228+00	2.6570-02	8.5228+00	2.6570-02	1.1763-02	3.3677-01	5.2558+05	6.7995-03	1.6410+00
31	517.82	4.0538+01	7.0858+00	2.1959-02	7.0858+00	2.1959-02	9.7220-03	2.7832-01	4.3437+05	5.6174-03	1.7720+00
32	474.18	4.1455+00	6.9418-01	2.0834-03	6.9418-01	2.0834-03	9.2240-04	2.6407-02	4.1212+04	5.3192-04	2.4660+00
33	451.47	3.0613+00	5.0635-01	1.4952-03	5.0635-01	1.4952-03	6.6197-04	1.8951-02	2.9576+04	3.8136-04	3.0090+00
34	442.96	3.1896+00	5.1673-01	1.5167-03	5.1673-01	1.5167-03	6.7149-04	1.9224-02	3.0002+04	3.8670-04	3.3930+00
35	441.48	2.9158+00	4.5206-01	1.3255-03	4.5206-01	1.3255-03	5.8683-04	1.6800-02	2.6219+04	3.3792-04	3.7770+00
36	454.95	1.2189+01	1.9849+00	5.8757-03	1.9849+00	5.8757-03	2.6014-03	7.4473-02	1.1623+05	1.4989-03	1.3070+00
37	473.47	4.2270+00	7.1590-01	2.1475-03	7.1590-01	2.1475-03	9.5077-04	2.7219-02	4.2479+04	5.4827-04	2.4660+00
38	448.32	3.4405+00	5.5944-01	1.6483-03	5.5944-01	1.6483-03	7.2975-04	2.0891-02	3.2604+04	4.2035-04	3.0090+00
39	438.56	3.2390+00	5.1999-01	1.5215-03	5.1999-01	1.5215-03	6.7363-04	1.9285-02	3.0097+04	3.8786-04	3.3930+00
40	438.64	3.0343+00	4.8274-01	1.4126-03	4.8274-01	1.4126-03	6.2542-04	1.7905-02	2.7943+04	3.6010-04	3.7770+00
41	446.32	2.7782+00	4.3487-01	1.2794-03	4.3487-01	1.2794-03	5.6644-04	1.6216-02	2.5308+04	3.2625-04	4.1620+00
43	461.05	2.2665+00	3.7733-01	1.1218-03	3.7733-01	1.1218-03	4.9668-04	1.4219-02	2.2191+04	2.8626-04	5.3230+00
47	448.18	3.8686+00	6.2143-01	1.8307-03	6.2143-01	1.8307-03	8.1053-04	2.3204-02	3.6214+04	4.6688-04	7.1100-01
48	444.08	7.1730+00	1.1699+00	3.4367-03	1.1699+00	3.4367-03	1.5215-03	4.3559-02	6.7981+04	8.7627-04	1.0880+00
49	457.34	1.3456+01	2.2279+00	6.6062-03	2.2279+00	6.6062-03	2.9248-03	8.3732-02	1.3068+05	1.6854-03	1.3070+00
50	535.72	5.0166+01	8.7890+00	2.7606-02	8.7890+00	2.7606-02	1.2222-02	3.4990-01	5.4608+05	7.0679-03	1.6410+00
51	526.60	4.1667+01	7.3233+00	2.2845-02	7.3233+00	2.2845-02	1.0114-02	2.8955-01	4.5189+05	5.8463-03	1.7720+00
52	473.17	4.2281+00	7.1803-01	2.1534-03	7.1803-01	2.1534-03	9.5339-04	2.7294-02	4.2597+04	5.4977-04	2.4660+00
53	446.17	3.5117+00	5.7017-01	1.6773-03	5.7017-01	1.6773-03	7.4261-04	2.1260-02	3.3179+04	4.2772-04	3.0090+00
54	439.47	3.1408+00	5.0149-01	1.4683-03	5.0149-01	1.4683-03	6.5009-04	1.8611-02	2.9045+04	3.7432-04	3.3930+00
55	440.21	2.9148+00	4.5716-01	1.3392-03	4.5716-01	1.3392-03	5.9293-04	1.6974-02	2.6491+04	3.4142-04	3.7770+00
56	451.34	1.8353+00	2.8199-01	8.3259-04	2.8199-01	8.3259-04	3.6862-04	1.0553-02	1.6469+04	2.1236-04	4.1100-01
57	449.17	4.1538+00	6.6364-01	1.9564-03	6.6364-01	1.9564-03	8.6618-04	2.4797-02	3.8700+04	4.9896-04	7.1100-01
58	449.97	6.9423+00	1.1369+00	3.3536-03	1.1369+00	3.3536-03	1.4848-03	4.2506-02	6.6338+04	8.5532-04	1.0880+00
59	459.50	1.3980+01	2.3113+00	6.8640-03	2.3113+00	6.8640-03	3.0389-03	8.7000-02	1.3578+05	1.7513-03	1.3070+00
60	541.32	5.4627+01	9.5468+00	3.0115-02	9.5468+00	3.0115-02	1.3333-02	3.8169-01	5.9569+05	7.7121-03	1.6410+00
61	443.54	3.4925+00	5.6433-01	1.6571-03	5.6433-01	1.6571-03	7.3364-04	2.1003-02	3.2778+04	4.2250-04	3.0090+00
62	436.31	3.2597+00	5.1935-01	1.5173-03	5.1935-01	1.5173-03	6.7174-04	1.9231-02	3.0013+04	3.8673-04	3.3930+00
63	440.16	2.8738+00	4.5071-01	1.3203-03	4.5071-01	1.3203-03	5.8454-04	1.6734-02	2.6117+04	3.3659-04	3.7770+00
64	446.49	7.5184+00	1.2540+00	3.6899-03	1.2540+00	3.6899-03	1.6336-03	4.6768-02	7.2989+04	9.4093-04	1.0880+00
65	455.50	1.3954+01	2.3417+00	6.9347-03	2.3417+00	6.9347-03	3.0702-03	8.7895-02	1.3717+05	1.7691-03	1.3070+00
66	538.82	5.5064+01	9.7511+00	3.0701-02	9.7511+00	3.0701-02	1.3592-02	3.8912-01	6.0728+05	7.8612-03	1.6410+00
69	445.11	2.5782+00	4.2960-01	1.2629-03	4.2960-01	1.2629-03	5.5912-04	1.6007-02	2.4981+04	3.2202-04	4.1100-01
70	445.63	4.3392+00	7.2330-01	2.1270-03	7.2330-01	2.1270-03	9.4170-04	2.6959-02	4.2074+04	5.4237-04	7.1100-01
71	464.17	1.3605+01	2.2899+00	6.8232-03	2.2899+00	6.8232-03	3.0208-03	8.6462-02	1.3497+05	1.7413-03	1.3070+00
72	543.05	5.4572+01	9.6889+00	3.0603-02	9.6889+00	3.0603-02	1.3549-02	3.8789-01	6.0536+05	7.8378-03	1.6410+00
73	453.81	2.7491+00	4.4331-01	1.3112-03	4.4331-01	1.3112-03	5.8051-04	1.6619-02	2.5937+04	3.3447-04	3.7770+00
74	470.20	2.1449+00	3.5504-01	1.0625-03	3.5504-01	1.0625-03	4.7041-04	1.3467-02	2.1018+04	2.7123-04	5.3230+00
77	441.93	3.1818+00	5.2438-01	1.5380-03	5.2438-01	1.5380-03	6.8094-04	1.9494-02	3.0423+04	3.9212-04	3.0090+00
78	436.90	2.8800+00	4.6741-01	1.3661-03	4.6741-01	1.3661-03	6.0481-04	1.7315-02	2.7022+04	3.4821-04	3.3930+00
79	440.45	2.4982+00	3.9916-01	1.1695-03	3.9916-01	1.1695-03	5.1779-04	1.4823-02	2.3134+04	2.9816-04	3.7770+00
80	471.70	4.0057+00	6.8160-01	2.0420-03	6.8160-01	2.0420-03	9.0406-04	2.5882-02	4.0393+04	5.2129-04	2.4660+00
81	444.80	3.0161+00	4.9806-01	1.4638-03	4.9806-01	1.4638-03	6.4807-04	1.8553-02	2.8955+04	3.7324-04	3.0090+00
82	440.08	2.8426+00	4.6374-01	1.3584-03	4.6374-01	1.3584-03	6.0141-04	1.7217-02	2.6870+04	3.4630-04	3.3930+00
83	438.61	2.5813+00	4.1692-01	1.2200-03	4.1692-01	1.2200-03	5.4013-04	1.5463-02	2.4132+04	3.1099-04	3.7770+00
337	562.99	2.6842+01	5.2884+00	1.6962-02	5.2884+00	1.6962-02	7.5096-03	2.1499-01	3.3552+05	4.3482-03	7.1680+00
339	539.99	1.3296+01	2.6386+00	8.3148-03	2.6386+00	8.3148-03	3.6812-03	1.0539-01	1.6447+05	2.1292-03	8.1130+00
340	488.73	2.7917+00	5.2520-01	1.5930-03	5.2520-01	1.5930-03	7.0528-04	2.0191-02	3.1511+04	4.0698-04	8.6180+00
342	558.63	2.5732+01	5.2184+00	1.6681-02	5.2184+00	1.6681-02	7.3853-03	2.1143-01	3.2997+05	4.2753-03	7.1680+00
344	533.46	1.4343+01	2.8500+00	8.9366-03	2.8500+00	8.9366-03	3.9565-03	1.1327-01	1.7677+05	2.2878-03	8.1130+00
347	538.34	2.5808+01	5.0098+00	1.5767-02	5.0098+00	1.5767-02	6.9806-03	1.9984-01	3.1189+05	4.0373-03	7.1680+00
349	510.94	1.4657+01	2.8641+00	8.8304-03	2.8641+00	8.8304-03	3.9095-03	1.1192-01	1.7467+05	2.2582-03	8.1130+00
350	472.10	2.8758+00	5.0517-01	1.5139-03	5.0517-01	1.5139-03	6.7025-04	1.9188-02	2.9946+04	3.8648-04	8.6180+00
352	534.06	2.6373+01	4.9834+00	1.5633-02	4.9834+00	1.5633-02	6.9214-03	1.9815-01	3.0924+05	4.0022-03	7.1680+00
354	506.35	1.4862+01	2.8883+00	8.8749-03	2.8883+00	8.8749-03	3.9292-03	1.1249-01	1.7555+05	2.2691-03	8.1130+00
357	539.21	2.5757+01	4.8691+00	1.5334-02	4.8691+00	1.5334-02	6.7891-03	1.9436-01	3.0333+05	3.9266-03	7.1680+00
359	511.70	1.5053+01	2.7437+00	8.4641-03	2.7437+00	8.4641-03	3.7473-03	1.0728-01	1.6743+05	2.1646-03	8.1130+00
401	457.74	5.1403+00	4.2693-01	1.2663-03	4.2693-01	1.2663-03	5.6063-04	1.6050-02	2.5048+04	3.2307-04	4.5500-01
403	460.96	5.7631+00	4.7402-01	1.4092-03	4.7402-01	1.4092-03	6.2391-04	1.7862-02	2.7876+04	3.5958-04	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.3615-06	-5.6973-03	-4.3615-06	-1.9310-06	-5.5281-05	-8.6275+01	-9.5975-07	8.0100-01
405	473.48	1.0182+01	8.4452-01	2.5334-03	8.4452-01	2.5334-03	1.1216-03	3.2109-02	5.0112+04	6.4678-04	1.0510+00
406	480.33	1.3161+01	1.1031+00	3.3255-03	1.1031+00	3.3255-03	1.4723-03	4.2150-02	6.5781+04	8.4928-04	1.1670+00
407	490.44	1.6939+01	1.4547+00	4.4180-03	1.4547+00	4.4180-03	1.9560-03	5.5996-02	8.7391+04	1.1288-03	1.2830+00
408	462.93	7.0556+00	5.7414-01	1.7093-03	5.7414-01	1.7093-03	7.5675-04	2.1665-02	3.3811+04	4.3618-04	5.1300-01
409	462.85	8.0104+00	6.6366-01	1.9757-03	6.6366-01	1.9757-03	8.7469-04	2.5041-02	3.9080+04	5.0416-04	5.7000-01
410	465.08	7.6405+00	6.1132-01	1.8228-03	6.1132-01	1.8228-03	8.0700-04	2.3103-02	3.6056+04	4.6519-04	6.2800-01
411	469.31	8.8930+00	7.3998-01	2.2131-03	7.3998-01	2.2131-03	9.7980-04	2.8050-02	4.3776+04	5.6490-04	6.8600-01
412	469.75	5.8229+00	4.8177-01	1.4413-03	4.8177-01	1.4413-03	6.3812-04	1.8268-02	2.8511+04	3.6792-04	7.4400-01
413	471.01	9.4945+00	7.9564-01	2.3825-03	7.9564-01	2.3825-03	1.0548-03	3.0197-02	4.7127+04	6.0819-04	8.0100-01
414	470.44	8.9616+00	7.4180-01	2.2203-03	7.4180-01	2.2203-03	9.8302-04	2.8142-02	4.3920+04	5.6679-04	8.5900-01
415	476.27	9.9652+00	8.3305-01	2.5040-03	8.3305-01	2.5040-03	1.1086-03	3.1737-02	4.9531+04	6.3936-04	9.1700-01
416	467.82	7.8701+00	6.0748-01	1.8149-03	6.0748-01	1.8149-03	8.0351-04	2.3003-02	3.5900+04	4.6323-04	5.7000-01
417	478.73	1.2009+01	9.9958-01	3.0099-03	9.9958-01	3.0099-03	1.3326-03	3.8149-02	5.9538+04	7.6862-04	1.0520+00

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35 1 -12.01 .01 179.98 .00 402 1 1.95 10.13 748.2 1778.5

8.62299+01 1.56530-02 1.12434+00 4.60921+03 1.52301-05 6.98462-08 8.43178-02 7.72000+00 7.24184-06 7.44580-02

1	434.77	2.9397+00	4.8635-01	1.4201-03	4.8625-01	1.4201-03	6.2877-04	1.7996-02	2.8104+04	3.6193-04	4.1100-01
2	430.75	4.9252+00	8.1252-01	2.3659-03	8.1252-01	2.3659-03	1.0475-03	2.9981-02	4.6821+04	6.0286-04	7.1100-01
3	430.51	1.2065+01	1.9900+00	5.7935-03	1.9900+00	5.7935-03	2.5651-03	7.3419-02	1.1466+05	1.4763-03	1.3070+00
4	447.41	3.6088+01	6.0229+00	1.7744-02	6.0229+00	1.7744-02	7.8563-03	2.2486-01	3.5116+05	4.5247-03	1.6410+00
5	455.10	3.5197+01	6.1814+00	1.8310-02	6.1814+00	1.8310-02	8.1071-03	2.3204-01	3.6237+05	4.6707-03	1.7720+00
6	459.90	3.9938+00	6.6241-01	1.9689-03	6.6241-01	1.9689-03	8.7175-04	2.4951-02	3.8965+04	5.0234-04	2.4660+00
7	443.92	3.2961+00	5.3915-01	1.5845-03	5.3915-01	1.5845-03	7.0154-04	2.0079-02	3.1357+04	4.0398-04	3.0090+00
8	438.84	3.0940+00	4.9981-01	1.4636-03	4.9981-01	1.4636-03	6.4802-04	1.8548-02	2.8965+04	3.7308-04	3.3930+00
9	441.84	2.7387+00	4.4334-01	1.3010-03	4.4334-01	1.3010-03	5.7601-04	1.6487-02	2.5746+04	3.3167-04	3.7770+00
10	458.94	2.4577+00	4.0374-01	1.1992-03	4.0374-01	1.1992-03	5.3096-04	1.5197-02	2.3733+04	3.0595-04	5.3230+00
14	432.57	7.4270+00	1.2268+00	3.5767-03	1.2268+00	3.5767-03	1.5836-03	4.5326-02	7.0784+04	9.1148-04	1.0880+00
15	432.24	1.2953+01	2.1391+00	6.2350-03	2.1391+00	6.2350-03	2.7606-03	7.9013-02	1.2339+05	1.5889-03	1.3070+00
16	451.95	4.4849+01	7.5084+00	2.2191-02	7.5084+00	2.2191-02	9.8254-03	2.8122-01	4.3917+05	5.6599-03	1.6410+00
19	437.33	2.7304+00	4.1150-01	1.2037-03	4.1150-01	1.2037-03	5.3296-04	1.5254-02	2.3822+04	3.0681-04	4.1100-01
20	436.87	4.5605+00	7.2025-01	2.1062-03	7.2025-01	2.1062-03	9.3253-04	2.6691-02	4.1682+04	5.3683-04	7.1100-01
21	434.39	7.8415+00	1.2552+00	3.6642-03	1.2552+00	3.6642-03	1.6224-03	4.6435-02	7.2516+04	9.3385-04	1.0880+00
22	432.91	1.3564+01	2.1821+00	6.3634-03	2.1821+00	6.3634-03	2.8174-03	8.0640-02	1.2593+05	1.6216-03	1.3070+00
23	717.57	1.9480-01	3.6486-02	1.3313-04	3.6486-02	1.3313-04	5.8944-05	1.6871-03	2.6346+03	3.4390-05	1.6410+00
24	445.86	3.2629+00	5.2966-01	1.5587-03	5.2966-01	1.5587-03	6.9013-04	1.9753-02	3.0847+04	3.9744-04	3.0090+00
25	442.02	2.9657+00	4.6861-01	1.3753-03	4.6861-01	1.3753-03	6.0893-04	1.7429-02	2.7218+04	3.5062-04	3.3930+00
26	441.95	2.7148+00	4.3159-01	1.2666-03	4.3159-01	1.2666-03	5.6079-04	1.6051-02	2.5066+04	3.2290-04	3.7770+00
27	437.13	4.4093+00	6.9650-01	2.0371-03	6.9650-01	2.0371-03	9.0195-04	2.5815-02	4.0315+04	5.1923-04	7.1100-01
28	435.79	8.1704+00	1.3091+00	3.8254-03	1.3091+00	3.8254-03	1.6937-03	4.8477-02	7.5705+04	9.7498-04	1.0880+00
29	438.67	1.3661+01	2.2265+00	6.5191-03	2.2265+00	6.5191-03	2.8864-03	8.2613-02	1.2901+05	1.6617-03	1.3070+00
30	462.65	5.5893+01	9.2877+00	2.7661-02	9.2877+00	2.7661-02	1.2247-02	3.5053-01	5.4741+05	7.0582-03	1.6410+00
31	463.14	4.2992+01	7.2524+00	2.1607-02	7.2524+00	2.1607-02	9.5665-03	2.7381-01	4.2760+05	5.5135-03	1.7720+00
32	459.33	4.0862+00	6.7749-01	2.0129-03	6.7749-01	2.0129-03	8.9123-04	2.5509-02	3.9836+04	5.1356-04	2.4660+00
33	446.69	3.3886+00	5.5864-01	1.6450-03	5.5864-01	1.6450-03	7.2831-04	2.0846-02	3.2554+04	4.1945-04	3.0090+00
34	443.48	3.0769+00	4.9865-01	1.4650-03	4.9865-01	1.4650-03	6.4863-04	1.8565-02	2.8992+04	3.7351-04	3.3930+00
35	443.28	2.9704+00	4.6109-01	1.3544-03	4.6109-01	1.3544-03	5.9968-04	1.7164-02	2.6804+04	3.4532-04	3.7770+00
36	441.34	1.3967+01	2.2534+00	6.6104-03	2.2534+00	6.6104-03	2.9268-03	8.3770-02	1.3082+05	1.6852-03	1.3070+00
37	459.55	4.1231+00	6.9182-01	2.0558-03	6.9182-01	2.0558-03	9.1023-04	2.6052-02	4.0685+04	5.2451-04	2.4660+00
38	449.21	3.3657+00	5.4762-01	1.6154-03	5.4762-01	1.6154-03	7.1522-04	2.0471-02	3.1968+04	4.1195-04	3.0090+00
39	445.74	3.0790+00	4.9676-01	1.4618-03	4.9676-01	1.4618-03	6.4721-04	1.8524-02	2.8928+04	3.7272-04	3.3930+00
40	445.36	2.8987+00	4.6332-01	1.3630-03	4.6332-01	1.3630-03	6.0347-04	1.7272-02	2.6974+04	3.4753-04	3.7770+00
41	450.32	2.7481+00	4.3133-01	1.2734-03	4.3133-01	1.2734-03	5.6379-04	1.6137-02	2.5200+04	3.2475-04	4.1620+00
43	461.57	2.3403+00	3.8975-01	1.1598-03	3.8975-01	1.1598-03	5.1353-04	1.4698-02	2.2954+04	2.9594-04	5.3230+00
47	437.31	4.3979+00	7.0117-01	2.0510-03	7.0117-01	2.0510-03	9.0812-04	2.5992-02	4.0591+04	5.2279-04	7.1100-01
48	437.92	7.5460+00	1.2255+00	3.5864-03	1.2255+00	3.5864-03	1.5879-03	4.5449-02	7.0976+04	9.1417-04	1.0880+00
49	442.38	1.6522+01	2.7077+00	7.9488-03	2.7077+00	7.9488-03	3.5194-03	1.0073-01	1.5731+05	2.0265-03	1.3070+00
50	478.78	6.2830+01	1.0616+01	3.1986-02	1.0616+01	3.1986-02	1.4162-02	4.0534-01	6.3301+05	8.1677-03	1.6410+00
51	473.73	4.6266+01	7.8601+00	2.3596-02	7.8601+00	2.3596-02	1.0447-02	2.9902-01	4.6697+05	6.0240-03	1.7720+00
52	462.30	4.2021+00	7.0845-01	2.1094-03	7.0845-01	2.1094-03	9.3393-04	2.6731-02	4.1745+04	5.3824-04	2.4660+00
53	451.18	3.1039+00	5.0570-01	1.4938-03	5.0570-01	1.4938-03	6.6139-04	1.8930-02	2.9563+04	3.8098-04	3.0090+00
54	449.91	3.1065+00	4.9961-01	1.4745-03	4.9961-01	1.4745-03	6.5284-04	1.8685-02	2.9180+04	3.7603-04	3.3930+00
55	448.83	2.9065+00	4.5858-01	1.3523-03	4.5858-01	1.3523-03	5.9876-04	1.7138-02	2.6763+04	3.4487-04	3.7770+00
56	438.50	2.3984+00	3.6526-01	1.0693-03	3.6526-01	1.0693-03	4.7346-04	1.3551-02	2.1162+04	2.7257-04	4.1100-01
57	437.10	4.5210+00	7.1631-01	2.0950-03	7.1631-01	2.0950-03	9.2758-04	2.6549-02	4.1461+04	5.3399-04	7.1100-01
58	439.81	7.6842+00	1.2496+00	3.6618-03	1.2496+00	3.6618-03	1.6213-03	4.6404-02	7.2467+04	9.3344-04	1.0880+00
59	447.42	1.5704+01	2.5749+00	7.5859-03	2.5749+00	7.5859-03	3.3587-03	9.6133-02	1.5013+05	1.9344-03	1.3070+00
60	485.72	6.9606+01	1.1745+01	3.5566-02	1.1745+01	3.5566-02	1.5747-02	4.5071-01	7.0386+05	9.0847-03	1.6410+00
61	453.21	3.3460+00	5.4426-01	1.6100-03	5.4426-01	1.6100-03	7.1285-04	2.0403-02	3.1863+04	4.1066-04	3.0090+00
62	450.31	3.0670+00	4.9339-01	1.4565-03	4.9339-01	1.4565-03	6.4490-04	1.8458-02	2.8825+04	3.7147-04	3.3930+00
63	448.77	3.0255+00	4.7733-01	1.4076-03	4.7733-01	1.4076-03	6.2322-04	1.7838-02	2.7856+04	3.5896-04	3.7770+00
64	436.54	8.3584+00	1.3845+00	4.0477-03	1.3845+00	4.0477-03	1.7922-03	5.1295-02	8.0105+04	1.0317-03	1.0880+00
65	444.83	1.6537+01	2.7551+00	8.1018-03	2.7551+00	8.1018-03	3.5871-03	1.0267-01	1.6034+05	2.0657-03	1.3070+00
66	486.17	7.1488+01	1.2245+01	3.7093-02	1.2245+01	3.7093-02	1.6423-02	4.7007-01	7.3408+05	9.4750-03	1.6410+00
69	435.68	2.7569+00	4.5638-01	1.3335-03	4.5638-01	1.3335-03	5.9041-04	1.6898-02	2.6390+04	3.3986-04	4.1100-01
70	431.65	4.6494+00	7.6751-01	2.2362-03	7.6751-01	2.2362-03	9.9009-04	2.8338-02	4.4255+04	5.6984-04	7.1100-01
71	444.97	1.6866+01	2.8020+00	8.2406-03	2.8020+00	8.2406-03	3.6486-03	1.0443-01	1.6308+05	2.1011-03	1.3070+00
72	488.78	7.3999+01	1.2697+01	3.8535-02	1.2697+01	3.8535-02	1.7062-02	4.8833-01	7.6261+05	9.8444-03	1.6410+00
73	451.74	2.7106+00	4.3649-01	1.2899-03	4.3649-01	1.2899-03	5.7111-04	1.6346-02	2.5527+04	3.2898-04	3.7770+00
74	465.50	2.1901+00	3.6138-01	1.0785-03	3.6138-01	1.0785-03	4.7750-04	1.3667-02	2.1343+04	2.7523-04	5.3230+00
77	442.77	3.0358+00	5.0062-01	1.4700-03	5.0062-01	1.4700-03	6.5087-04	1.8629-02	2.9092+04	3.7478-04	3.0090+00
78	438.98	2.7179+00	4.4174-01	1.2937-03	4.4174-01	1.2937-03	5.7279-04	1.6394-02	2.5602+04	3.2977-04	3.3930+00
79	443.40	2.4234+00	3.8800-01	1.1398-03	3.8800-01	1.1398-03	5.0467-04	1.4445-02	2.2558+04	2.9061-04	3.7770+00
80	460.98	3.9642+00	6.6970-01	1.9921-03	6.6970-01	1.9921-03	8.8202-04	2.5245-02	3.9424+04	5.0829-04	2.4660+00
81	443.20	3.0519+00	5.0342-01	1.4787-03	5.0342-01	1.4787-03	6.5471-04	1.8739-02	2.9264+04	3.7700-04	3.0090+00
82	438.99	2.6919+00	4.3883-01	1.2852-03	4.3883-01	1.2852-03	5.6901-04	1.6286-02	2.5433+04	3.2759-04	3.3930+00
83	443.09	2.5060+00	4.0601-01	1.1925-03	4.0601-01	1.1925-03	5.2799-04	1.5112-02	2.3600+04	3.0403-04	3.7770+00
337	503.74	2.9549+01	5.6131+00	1.7224-02	5.6131+00	1.7224-02	7.6261-03	2.1827-01	3.4087+05	4.4031-03	7.1680+00
339	488.98	1.4393+01	2.7660+00	8.3962-03	2.7660+00	8.3962-03	3.7175-03	1.0640-01	1.6616+05	2.1450-03	8.1130+00
340	470.58	3.0826+00	5.7303-01	1.7163-03	5.7303-01	1.7163-03	7.5992-04	2.1750-02	3.3967+04	4.3811-04	8.6180+00
342	504.52	2.8637+01	5.6169+00	1.7246-02	5.6169+00	1.7246-02	7.6356-03	2.1854-01	3.4129+05	4.4088-03	7.1680+00
344	492.61	1.6579+01	3.2102+00	9.7704-03	3.2102+00	9.7704-03	4.3259-03	1.2381-01	1.9336+05	2.4964-03	8.1130+00
347	503.10	2.6400+01	5.0129+00	1.5375-02	5.0129+00	1.5375-02	6.8075-03	1.9484-01	3.0428+05	3.9304-03	7.1680+00
349	492.85	1.4634+01	2.8267+00	8.6046-03	2.8267+00	8.6046-03	3.8098-03	1.0904-01	1.7029+05	2.1986-03	8.1130+00
350	471.64	2.8556+00	5.0146-01	1.5031-03	5.0146-01	1.5031-03	6.6551-04	1.9048-02	2.9747+04	3.8370-04	8.6180+00
352	509.80	2.7463+01	5.1114+00	1.5755-02	5.1114+00	1.5755-02	6.9758-03	1.9966-01	3.1180+05	4.0288-03	7.1680+00
354	497.43	1.4104+01	2.7253+00	8.3239-03	2.7253+00	8.3239-03	3.6855-03	1.0548-01	1.6473+05	2.1273-03	8.1130+00
357	509.92	2.7152+01	5.0400+00	1.5537-02	5.0400+00	1.5537-02	6.8790-03	1.9689-01	3.0747+05	3.9729-03	7.1680+00
359	496.67	1.4204+01	2.5642+00	7.8273-03	2.5642+00	7.8273-03	3.4656-03	9.9192-02	1.5490+05	2.0003-03	8.1130+00
401	438.92	5.5325+00	4.5360-01	1.3284-03	4.5360-01	1.3284-03	5.8814-04	1.6834-02	2.6288+04	3.3861-04	4.5500-01
403	440.47	5.5548+00	4.5053-01	1.3208-03	4.5053-01	1.3208-03	5.8479-04	1.6738-02	2.6139+04	3.3670-04	6.8600-01
404	738.92	1.6734+02	-1.5893+00	-2.5836-03	-1.5893+00	-2.5836-03	-1.1439-03	-3.2741-02	-5.1130+04	-6.3130-04	8.0100-01
405	449.06	1.0372+01	8.4623-01	2.4960-03	8.4623-01	2.4960-03	1.1051-03	3.1630-02	4.9395+04	6.3651-04	1.0510+00
406	451.77	1.5399+01	1.2663+00	3.7421-03	1.2663+00	3.7421-03	1.6568-03	4.7421-02	7.4056+04	9.5441-04	1.1670+00
407	457.23	1.8850+01	1.5836+00	4.6980-03	1.5836+00	4.6980-03	2.0801-03	5.9536-02	9.2975+04	1.1985-03	1.2830+00
408	440.86	7.1584+00	5.7379-01	1.6826-03	5.7379-01	1.6826-03	7.4500-04	2.1323-02	3.3300+04	4.2895-04	5.1300-01
409	437.95	9.1751+00	7.4730-01	2.1870-03	7.4730-01	2.1870-03	9.6829-04	2.7714-02	4.3280+04	5.5744-04	5.7000-01
410	440.80	8.2203+00	6.4690-01	1.8969-03	6.4690-01	1.8969-03	8.3988-04	2.4039-02	3.7541+04	4.8358-04	6.2800-01
411	442.60	1.0596+01	8.6585-01	2.5422-03	8.6585-01	2.5422-03	1.1256-03	3.2216-02	5.0310+04	6.4812-04	6.8600-01
412	450.36	5.3392+00	4.3600-01	1.2872-03	4.3600-01	1.2872-03	5.6991-04	1.6312-02	2.5474+04	3.2827-04	7.4400-01
413	444.24	1.1554+01	9.5078-01	2.7948-03	9.5078-01	2.7948-03	1.2374-03	3.5417-02	5.5309+04	7.1257-04	8.0100-01
414	445.88	1.0105+01	8.2264-01	2.4209-03	8.2264-01	2.4209-03	1.0719-03	3.0679-02	4.7910+04	6.1729-04	8.5900-01
415	449.48	1.1801+01	9.6882-01	2.8584-03	9.6882-01	2.8584-03	1.2656-03	3.6223-02	5.6568+04	7.2896-04	9.1700-01
416	444.78	8.2016+00	6.2323-01	1.8327-03	6.2323-01	1.8327-03	8.1143-04	2.3224-02	3.6269+04	4.6728-04	5.7000-01
417	452.09	1.3678+01	1.1183+00	3.3055-03	1.1183+00	3.3055-03	1.4636-03	4.1890-02	6.5417+04	8.4309-04	1.0520+00

35 1 -12.00 -.00 179.98 .00 402 1 2.20 10.13 748.2 1778.2

8.62118+01 1.56535-02 1.12438+00 4.60873+03 1.52338-05 6.98315-08 8.43470-02 7.72000+00 7.24012-06 7.44600-02

1	435.48	2.8857+00	4.7765-01	1.3958-03	4.7765-01	1.3958-03	6.1792-04	1.7688-02	2.7630+04	3.5573-04	4.1100-01
2	431.66	4.1262+00	6.8116-01	1.9852-03	6.8116-01	1.9852-03	8.7883-04	2.5157-02	3.9296+04	5.0586-04	7.1100-01
3	432.83	1.0226+01	1.6896+00	4.9282-03	1.6896+00	4.9282-03	2.1817-03	6.2452-02	9.7552+04	1.2558-03	1.3070+00
4	455.97	3.4378+01	5.7712+00	1.7111-02	5.7712+00	1.7111-02	7.5750-03	2.1684-01	3.3871+05	4.3648-03	1.6410+00
5	464.08	3.5544+01	6.2805+00	1.8729-02	6.2805+00	1.8729-02	8.2913-03	2.3734-01	3.7074+05	4.7793-03	1.7720+00
6	460.85	3.8504+00	6.3904-01	1.9013-03	6.3904-01	1.9013-03	8.4169-04	2.4094-02	3.7636+04	4.8510-04	2.4660+00
7	444.66	2.9501+00	4.8281-01	1.4200-03	4.8281-01	1.4200-03	6.2864-04	1.7995-02	2.8109+04	3.6205-04	3.0090+00
8	439.51	2.7449+00	4.4363-01	1.3001-03	4.4363-01	1.3001-03	5.7554-04	1.6475-02	2.5735+04	3.3139-04	3.3930+00
9	442.43	2.3844+00	3.8615-01	1.1339-03	3.8615-01	1.1339-03	5.0199-04	1.4370-02	2.2446+04	2.8908-04	3.7770+00
10	459.39	1.9371+00	3.1833-01	9.4611-04	3.1833-01	9.4611-04	4.1884-04	1.1990-02	1.8728+04	2.4138-04	5.3230+00
14	434.02	6.4805+00	1.0716+00	3.1282-03	1.0716+00	3.1282-03	1.3848-03	3.9642-02	6.1922+04	7.9720-04	1.0880+00
15	435.02	1.1744+01	1.9433+00	5.6770-03	1.9433+00	5.6770-03	2.5132-03	7.1942-02	1.1238+05	1.4468-03	1.3070+00
16	463.12	4.4544+01	7.5141+00	2.2393-02	7.5141+00	2.2393-02	9.9131-03	2.8377-01	4.4326+05	5.7139-03	1.6410+00
19	437.98	2.7429+00	4.1357-01	1.2107-03	4.1357-01	1.2107-03	5.3596-04	1.5342-02	2.3965+04	3.0859-04	4.1100-01
20	437.85	4.2987+00	6.7936-01	1.9886-03	6.7936-01	1.9886-03	8.8033-04	2.5200-02	3.9363+04	5.0686-04	7.1100-01
21	436.00	7.0218+00	1.1253+00	3.2895-03	1.1253+00	3.2895-03	1.4563-03	4.1686-02	6.5116+04	8.3839-04	1.0880+00
22	435.82	1.2435+01	2.0046+00	5.8594-03	2.0046+00	5.8594-03	2.5939-03	7.4253-02	1.1599+05	1.4933-03	1.3070+00
23	717.60	1.4805-01	2.7730-02	1.0122-04	2.7730-02	1.0122-04	4.4809-05	1.2827-03	2.0036+03	2.6146-05	1.6410+00
24	446.65	3.2275+00	5.2421-01	1.5440-03	5.2421-01	1.5440-03	6.8350-04	1.9566-02	3.0562+04	3.9368-04	3.0090+00
25	442.73	2.8779+00	4.5496-01	1.3363-03	4.5496-01	1.3363-03	5.9158-04	1.6934-02	2.6452+04	3.4068-04	3.3930+00
26	442.60	2.6701+00	4.2467-01	1.2472-03	4.2467-01	1.2472-03	5.5214-04	1.5805-02	2.4689+04	3.1797-04	3.7770+00
27	438.10	3.9948+00	6.3144-01	1.8486-03	6.3144-01	1.8486-03	8.1837-04	2.3426-02	3.6593+04	4.7119-04	7.1100-01
28	437.57	7.4899+00	1.2016+00	3.5165-03	1.2016+00	3.5165-03	1.5567-03	4.4563-02	6.9609+04	8.9630-04	1.0880+00
29	442.09	1.3484+01	2.2029+00	6.4672-03	2.2029+00	6.4672-03	2.8630-03	8.1956-02	1.2802+05	1.6487-03	1.3070+00
30	476.70	5.5335+01	9.2816+00	2.7932-02	9.2816+00	2.7932-02	1.2365-02	3.5396-01	5.5290+05	7.1315-03	1.6410+00
31	474.20	4.3613+01	7.4117+00	2.2264-02	7.4117+00	2.2264-02	9.8562-03	2.8214-01	4.4071+05	5.6839-03	1.7720+00
32	460.35	4.0244+00	6.6770-01	1.9858-03	6.6770-01	1.9858-03	8.7912-04	2.5165-02	3.9309+04	5.0666-04	2.4660+00
33	447.51	3.3075+00	5.4559-01	1.6079-03	5.4559-01	1.6079-03	7.1182-04	2.0376-02	3.1828+04	4.1001-04	3.0090+00
34	444.24	3.0452+00	4.9377-01	1.4518-03	4.9377-01	1.4518-03	6.4272-04	1.8398-02	2.8739+04	3.7016-04	3.3930+00
35	444.00	2.9283+00	4.5478-01	1.3370-03	4.5478-01	1.3370-03	5.9187-04	1.6943-02	2.6465+04	3.4087-04	3.7770+00
36	444.77	1.3537+01	2.1892+00	6.4394-03	2.1892+00	6.4394-03	2.8507-03	8.1603-02	1.2747+05	1.6418-03	1.3070+00
37	460.59	4.1823+00	7.0225-01	2.0889-03	7.0225-01	2.0889-03	9.2477-04	2.6472-02	4.1350+04	5.3297-04	2.4660+00
38	450.07	3.4140+00	5.5580-01	1.6410-03	5.5580-01	1.6410-03	7.2645-04	2.0795-02	3.2483+04	4.1849-04	3.0090+00
39	446.45	3.0727+00	4.9600-01	1.4607-03	4.9600-01	1.4607-03	6.4664-04	1.8510-02	2.8914+04	3.7245-04	3.3930+00
40	446.08	2.8894+00	4.6205-01	1.3603-03	4.6205-01	1.3603-03	6.0222-04	1.7239-02	2.6928+04	3.4686-04	3.7770+00
41	451.03	2.6068+00	4.0935-01	1.2094-03	4.0935-01	1.2094-03	5.3541-04	1.5326-02	2.3940+04	3.0844-04	4.1620+00
43	462.17	2.3288+00	3.8800-01	1.1555-03	3.8800-01	1.1555-03	5.1153-04	1.4643-02	2.2873+04	2.9483-04	5.3230+00
47	438.40	4.2556+00	6.7899-01	1.9883-03	6.7899-01	1.9883-03	8.8019-04	2.5196-02	3.9357+04	5.0679-04	7.1100-01
48	439.78	7.3351+00	1.1928+00	3.4962-03	1.1928+00	3.4962-03	1.5478-03	4.4306-02	6.9208+04	8.9122-04	1.0880+00
49	446.03	1.5018+01	2.4675+00	7.2643-03	2.4675+00	7.2643-03	3.2159-03	9.2056-02	1.4380+05	1.8522-03	1.3070+00
50	494.25	6.0548+01	1.0334+01	3.1500-02	1.0334+01	3.1500-02	1.3945-02	3.9919-01	6.2354+05	8.0490-03	1.6410+00
51	485.35	4.6019+01	7.8783+00	2.3858-02	7.8783+00	2.3858-02	1.0562-02	3.0234-01	4.7226+05	6.0938-03	1.7720+00
52	463.36	4.3158+00	7.2815-01	2.1703-03	7.2815-01	2.1703-03	9.6078-04	2.7503-02	4.2961+04	5.5380-04	2.4660+00
53	451.92	3.0525+00	4.9757-01	1.4710-03	4.9757-01	1.4710-03	6.5120-04	1.8641-02	2.9118+04	3.7516-04	3.0090+00
54	450.73	3.0483+00	4.9052-01	1.4489-03	4.9052-01	1.4489-03	6.4143-04	1.8361-02	2.8681+04	3.6952-04	3.3930+00
55	449.58	3.0244+00	4.7743-01	1.4091-03	4.7743-01	1.4091-03	6.2381-04	1.7857-02	2.7893+04	3.5935-04	3.7770+00
56	439.15	2.6940+00	4.1046-01	1.2025-03	4.1046-01	1.2025-03	5.3236-04	1.5239-02	2.3804+04	3.0653-04	4.1100-01
57	438.22	4.4644+00	7.0789-01	2.0726-03	7.0789-01	2.0726-03	9.1754-04	2.6265-02	4.1027+04	5.2829-04	7.1100-01
58	441.68	7.5122+00	1.2232+00	3.5902-03	1.2232+00	3.5902-03	1.5894-03	4.5497-02	7.1068+04	9.1525-04	1.0880+00
59	451.23	1.5088+01	2.4804+00	7.3292-03	2.4804+00	7.3292-03	3.2446-03	9.2880-02	1.4508+05	1.8692-03	1.3070+00
60	502.65	6.6714+01	1.1381+01	3.4906-02	1.1381+01	3.4906-02	1.5453-02	4.4234-01	6.9095+05	8.9225-03	1.6410+00
61	454.03	3.3470+00	5.4473-01	1.6128-03	5.4473-01	1.6128-03	7.1399-04	2.0439-02	3.1926+04	4.1138-04	3.0090+00
62	451.10	2.8452+00	4.5796-01	1.3531-03	4.5796-01	1.3531-03	5.9901-04	1.7147-02	2.6784+04	3.4508-04	3.3930+00
63	449.53	3.0052+00	4.7438-01	1.4000-03	4.7438-01	1.4000-03	6.1979-04	1.7742-02	2.7714+04	3.5703-04	3.7770+00
64	438.60	8.2390+00	1.3667+00	4.0025-03	1.3667+00	4.0025-03	1.7719-03	5.0722-02	7.9229+04	1.0202-03	1.0880+00
65	448.86	1.5817+01	2.6424+00	7.7950-03	2.6424+00	7.7950-03	3.4508-03	9.8782-02	1.5430+05	1.9878-03	1.3070+00
66	503.54	6.8721+01	1.1904+01	3.6533-02	1.1904+01	3.6533-02	1.6173-02	4.6297-01	7.2317+05	9.3389-03	1.6410+00
69	436.34	2.7720+00	4.5909-01	1.3424-03	4.5909-01	1.3424-03	5.9427-04	1.7011-02	2.6572+04	3.4213-04	4.1100-01
70	432.82	4.6452+00	7.6745-01	2.2385-03	7.6745-01	2.2385-03	9.9097-04	2.8367-02	4.4310+04	5.7043-04	7.1100-01
71	449.07	1.6135+01	2.6880+00	7.9305-03	2.6880+00	7.9305-03	3.5108-03	1.0050-01	1.5698+05	2.0224-03	1.3070+00
72	506.48	7.0588+01	1.2250+01	3.7678-02	1.2250+01	3.7678-02	1.6680-02	4.7748-01	7.4583+05	9.6329-03	1.6410+00
73	452.35	2.6956+00	4.3425-01	1.2842-03	4.3425-01	1.2842-03	5.6850-04	1.6274-02	2.5420+04	3.2753-04	3.7770+00
74	466.05	2.1813+00	3.6006-01	1.0753-03	3.6006-01	1.0753-03	4.7601-04	1.3626-02	2.1285+04	2.7441-04	5.3230+00
77	443.52	2.9751+00	4.9085-01	1.4425-03	4.9085-01	1.4425-03	6.3859-04	1.8280-02	2.8554+04	3.6777-04	3.0090+00
78	439.63	2.6623+00	4.3290-01	1.2687-03	4.3290-01	1.2687-03	5.6166-04	1.6078-02	2.5114+04	3.2341-04	3.3930+00
79	443.98	2.3704+00	3.7967-01	1.1161-03	3.7967-01	1.1161-03	4.9411-04	1.4144-02	2.2094+04	2.8456-04	3.7770+00
80	461.95	3.9231+00	6.6320-01	1.9747-03	6.6320-01	1.9747-03	8.7419-04	2.5024-02	3.9089+04	5.0385-04	2.4660+00
81	443.93	2.9522+00	4.8721-01	1.4322-03	4.8721-01	1.4322-03	6.3405-04	1.8150-02	2.8351+04	3.6516-04	3.0090+00
82	439.62	2.6291+00	4.2877-01	1.2566-03	4.2877-01	1.2566-03	5.5630-04	1.5924-02	2.4874+04	3.2032-04	3.3930+00
83	443.68	2.4275+00	3.9347-01	1.1565-03	3.9347-01	1.1565-03	5.1196-04	1.4655-02	2.2892+04	2.9484-04	3.7770+00
337	510.20	2.7048+01	5.1592+00	1.5912-02	5.1592+00	1.5912-02	7.0442-03	2.0165-01	3.1498+05	4.0688-03	7.1680+00
339	492.45	1.3944+01	2.6858+00	8.1758-03	2.6858+00	8.1758-03	3.6194-03	1.0361-01	1.6184+05	2.0889-03	8.1130+00
340	471.26	2.8130+00	5.2315-01	1.5682-03	5.2315-01	1.5682-03	6.9422-04	1.9873-02	3.1042+04	4.0029-04	8.6180+00
342	511.04	2.7021+01	5.3219+00	1.6424-02	5.3219+00	1.6424-02	7.2709-03	2.0813-01	3.2511+05	4.1999-03	7.1680+00
344	496.32	1.5169+01	2.9444+00	8.9884-03	2.9444+00	8.9884-03	3.9791-03	1.1391-01	1.7792+05	2.2969-03	8.1130+00
347	509.75	2.6517+01	5.0565+00	1.5590-02	5.0565+00	1.5590-02	6.9017-03	1.9757-01	3.0860+05	3.9864-03	7.1680+00
349	496.38	1.4398+01	2.7875+00	8.5098-03	2.7875+00	8.5098-03	3.7673-03	1.0784-01	1.6845+05	2.1747-03	8.1130+00
350	472.30	2.7532+00	4.8370-01	1.4510-03	4.8370-01	1.4510-03	6.4235-04	1.8388-02	2.8722+04	3.7040-04	8.6180+00
352	516.63	2.7348+01	5.1119+00	1.5842-02	5.1119+00	1.5842-02	7.0132-03	2.0076-01	3.1359+05	4.0521-03	7.1680+00
354	500.99	1.4246+01	2.7591+00	8.4518-03	2.7591+00	8.4518-03	3.7416-03	1.0711-01	1.6730+05	2.1603-03	8.1130+00
357	516.64	2.6959+01	5.0256+00	1.5574-02	5.0256+00	1.5574-02	6.8948-03	1.9737-01	3.0829+05	3.9837-03	7.1680+00
359	500.25	1.4397+01	2.6050+00	7.9755-03	2.6050+00	7.9755-03	3.5307-03	1.0107-01	1.5787+05	2.0385-03	8.1130+00
401	440.28	5.3595+00	4.3983-01	1.2896-03	4.3983-01	1.2896-03	5.7092-04	1.6343-02	2.5528+04	3.2875-04	4.5500-01
403	441.84	5.5122+00	4.4750-01	1.3135-03	4.4750-01	1.3135-03	5.8150-04	1.6646-02	2.6001+04	3.3486-04	6.8600-01
404	790.10-1	.8035+02	2.6243+00	4.1888-03	2.6243+00	4.1888-03	1.8544-03	5.3083-02	8.2917+04	1.0218-03	8.0100-01
405	451.59	1.0047+01	8.2111-01	2.4269-03	8.2111-01	2.4269-03	1.0744-03	3.0755-02	4.8041+04	6.1896-04	1.0510+00
406	455.33	1.4405+01	1.1874+00	3.5187-03	1.1874+00	3.5187-03	1.5577-03	4.4591-02	6.9653+04	8.9757-04	1.1670+00
407	461.78	1.8347+01	1.5461+00	4.6029-03	1.5461+00	4.6029-03	2.0377-03	5.8330-02	9.1114+04	1.1745-03	1.2830+00
408	442.63	7.1174+00	5.7120-01	1.6776-03	5.7120-01	1.6776-03	7.4266-04	2.1259-02	3.3208+04	4.2768-04	5.1300-01
409	440.20	9.0114+00	7.3512-01	2.1553-03	7.3512-01	2.1553-03	9.5415-04	2.7313-02	4.2664+04	5.4942-04	5.7000-01
410	442.84	8.0971+00	6.3811-01	1.8744-03	6.3811-01	1.8744-03	8.2978-04	2.3753-02	3.7103+04	4.7786-04	6.2800-01
411	445.23	1.0380+01	8.4973-01	2.5002-03	8.4973-01	2.5002-03	1.1068-03	3.1684-02	4.9491+04	6.3747-04	6.8600-01
412	451.70	5.3704+00	4.3895-01	1.2975-03	4.3895-01	1.2975-03	5.7439-04	1.6442-02	2.5684+04	3.3091-04	7.4400-01
413	446.99	1.1087+01	9.1412-01	2.6930-03	9.1412-01	2.6930-03	1.1922-03	3.4127-02	5.3308+04	6.8668-04	8.0100-01
414	448.33	9.5158+00	7.7598-01	2.2882-03	7.7598-01	2.2882-03	1.0130-03	2.8998-02	4.5295+04	5.8351-04	8.5900-01
415	452.30	1.1269+01	9.2694-01	2.7411-03	9.2694-01	2.7411-03	1.2135-03	3.4736-02	5.4259+04	6.9911-04	9.1700-01
416	446.84	8.1693+00	6.2167-01	1.8312-03	6.2167-01	1.8312-03	8.1069-04	2.3206-02	3.6249+04	4.6694-04	5.7000-01
417	455.40	1.3226+01	1.0838+00	3.2119-03	1.0838+00	3.2119-03	1.4219-03	4.0703-02	6.3579+04	8.1929-04	1.0520+00

35 1 -12.00 -.00 179.98 .00 402 1 2.45 10.13 748.2 1778.9

8.62480+01 1.56525-02 1.12431+00 4.60970+03 1.52264-05 6.98608-08 8.42885-02 7.72000+00 7.24356-06 7.44559-02

1	436.20	2.8109+00	4.6550-01	1.3608-03	4.6550-01	1.3608-03	6.0258-04	1.7245-02	2.6924+04	3.4669-04	4.1100-01
2	432.70	4.1792+00	6.9040-01	2.0133-03	6.9040-01	2.0133-03	8.9153-04	2.5514-02	3.9834+04	5.1286-04	7.1100-01
3	435.42	1.0400+01	1.7213+00	5.0292-03	1.7213+00	5.0292-03	2.2270-03	6.3733-02	9.9506+04	1.2813-03	1.3070+00
4	464.50	3.3583+01	5.6704+00	1.6912-02	5.6704+00	1.6912-02	7.4891-03	2.1432-01	3.3462+05	4.3141-03	1.6410+00
5	473.04	3.5172+01	6.2521+00	1.8762-02	6.2521+00	1.8762-02	8.3083-03	2.3777-01	3.7122+05	4.7878-03	1.7720+00
6	461.80	3.8945+00	6.4678-01	1.9253-03	6.4678-01	1.9253-03	8.5258-04	2.4399-02	3.8094+04	4.9107-04	2.4660+00
7	445.39	2.9330+00	4.8024-01	1.4130-03	4.8024-01	1.4130-03	6.2570-04	1.7906-02	2.7957+04	3.6014-04	3.0090+00
8	440.18	2.7122+00	4.3855-01	1.2856-03	4.3855-01	1.2856-03	5.6928-04	1.6292-02	2.5436+04	3.2759-04	3.3930+00
9	443.00	2.3330+00	3.7796-01	1.1102-03	3.7796-01	1.1102-03	4.9162-04	1.4069-02	2.1966+04	2.8293-04	3.7770+00
10	459.83	1.8946+00	3.1142-01	9.2574-04	3.1142-01	9.2574-04	4.0993-04	1.1731-02	1.8316+04	2.3610-04	5.3230+00
14	435.68	6.5782+00	1.0890+00	3.1822-03	1.0890+00	3.1822-03	1.4092-03	4.0327-02	6.2962+04	8.1074-04	1.0880+00
15	437.98	1.1646+01	1.9311+00	5.6521-03	1.9311+00	5.6521-03	2.5028-03	7.1626-02	1.1183+05	1.4401-03	1.3070+00
16	474.26	4.3900+01	7.4607+00	2.2409-02	7.4607+00	2.2409-02	9.9231-03	2.8398-01	4.4337+05	5.7187-03	1.6410+00
19	438.69	2.8130+00	4.2435-01	1.2427-03	4.2435-01	1.2427-03	5.5028-04	1.5748-02	2.4587+04	3.1664-04	4.1100-01
20	438.95	4.3771+00	6.9229-01	2.0277-03	6.9229-01	2.0277-03	8.9789-04	2.5696-02	4.0119+04	5.1666-04	7.1100-01
21	437.74	6.9413+00	1.1137+00	3.2593-03	1.1137+00	3.2593-03	1.4433-03	4.1303-02	6.4487+04	8.3044-04	1.0880+00
22	438.94	1.2327+01	1.9915+00	5.8330-03	1.9915+00	5.8330-03	2.5830-03	7.3919-02	1.1541+05	1.4863-03	1.3070+00
23	717.64	9.1948-02	1.7222-02	6.2854-05	1.7222-02	6.2854-05	2.7833-05	7.9652-04	1.2436+03	1.6229-05	1.6410+00
24	447.46	3.2442+00	5.2720-01	1.5534-03	5.2720-01	1.5534-03	6.8789-04	1.9686-02	3.0736+04	3.9597-04	3.0090+00
25	443.44	2.9112+00	4.6045-01	1.3529-03	4.6045-01	1.3529-03	5.9909-04	1.7145-02	2.6768+04	3.4479-04	3.3930+00
26	443.26	2.7496+00	4.3752-01	1.2854-03	4.3752-01	1.2854-03	5.6918-04	1.6289-02	2.5431+04	3.2758-04	3.7770+00
27	439.08	3.9288+00	6.2143-01	1.8203-03	6.2143-01	1.8203-03	8.0607-04	2.3068-02	3.6016+04	4.6383-04	7.1100-01
28	439.43	7.4078+00	1.1900+00	3.4865-03	1.1900+00	3.4865-03	1.5439-03	4.4183-02	6.8983+04	8.8841-04	1.0880+00
29	445.39	1.3137+01	2.1510+00	6.3288-03	2.1510+00	6.3288-03	2.8025-03	8.0202-02	1.2522+05	1.6131-03	1.3070+00
30	490.35	5.3784+01	9.1027+00	2.7663-02	9.1027+00	2.7663-02	1.2250-02	3.5055-01	5.4732+05	7.0645-03	1.6410+00
31	485.07	4.3069+01	7.3719+00	2.2317-02	7.3719+00	2.2317-02	9.8822-03	2.8281-01	4.4154+05	5.6978-03	1.7720+00
32	461.34	4.0396+00	6.7056-01	1.9955-03	6.7056-01	1.9955-03	8.8363-04	2.5288-02	3.9481+04	5.0895-04	2.4660+00
33	448.33	3.3055+00	5.4556-01	1.6085-03	5.4556-01	1.6085-03	7.1228-04	2.0384-02	3.1825+04	4.1003-04	3.0090+00
34	445.01	3.0348+00	4.9235-01	1.4482-03	4.9235-01	1.4482-03	6.4131-04	1.8353-02	2.8654+04	3.6911-04	3.3930+00
35	444.73	2.8956+00	4.4993-01	1.3232-03	4.4993-01	1.3232-03	5.8593-04	1.6768-02	2.6180+04	3.3724-04	3.7770+00
36	448.08	1.2990+01	2.1055+00	6.2067-03	2.1055+00	6.2067-03	2.7484-03	7.8654-02	1.2280+05	1.5821-03	1.3070+00
37	461.63	4.2161+00	7.0842-01	2.1086-03	7.0842-01	2.1086-03	9.3371-04	2.6721-02	4.1719+04	5.3780-04	2.4660+00
38	450.94	3.2031+00	5.2177-01	1.5412-03	5.2177-01	1.5412-03	6.8249-04	1.9531-02	3.0494+04	3.9292-04	3.0090+00
39	447.17	3.0530+00	4.9306-01	1.4525-03	4.9306-01	1.4525-03	6.4322-04	1.8407-02	2.8739+04	3.7025-04	3.3930+00
40	446.80	2.8873+00	4.6195-01	1.3605-03	4.6195-01	1.3605-03	6.0247-04	1.7241-02	2.6919+04	3.4679-04	3.7770+00
41	451.64	2.3631+00	3.7125-01	1.0972-03	3.7125-01	1.0972-03	4.8584-04	1.3904-02	2.1708+04	2.7972-04	4.1620+00
43	462.74	2.2945+00	3.8244-01	1.1392-03	3.8244-01	1.1392-03	5.0446-04	1.4437-02	2.2540+04	2.9058-04	5.3230+00
47	439.43	4.0727+00	6.5028-01	1.9053-03	6.5028-01	1.9053-03	8.4370-04	2.4145-02	3.7697+04	4.8549-04	7.1100-01
48	441.57	7.1527+00	1.1646+00	3.4174-03	1.1646+00	3.4174-03	1.5133-03	4.3307-02	6.7615+04	8.7087-04	1.0880+00
49	449.72	1.4452+01	2.3805+00	7.0257-03	2.3805+00	7.0257-03	3.1111-03	8.9033-02	1.3901+05	1.7910-03	1.3070+00
50	508.95	5.8518+01	1.0082+01	3.1063-02	1.0082+01	3.1063-02	1.3755-02	3.9364-01	6.1459+05	7.9394-03	1.6410+00
51	496.79	4.5452+01	7.8393+00	2.3936-02	7.8393+00	2.3936-02	1.0599-02	3.0333-01	4.7358+05	6.1145-03	1.7720+00
52	464.45	4.3382+00	7.3245-01	2.1845-03	7.3245-01	2.1845-03	9.6734-04	2.7683-02	4.3222+04	5.5724-04	2.4660+00
53	452.66	3.1346+00	5.1121-01	1.5119-03	5.1121-01	1.5119-03	6.6949-04	1.9159-02	2.9914+04	3.8547-04	3.0090+00
54	451.45	2.7231+00	4.3841-01	1.2955-03	4.3841-01	1.2955-03	5.7366-04	1.6417-02	2.5631+04	3.3027-04	3.3930+00
55	450.32	2.9823+00	4.7102-01	1.3907-03	4.7102-01	1.3907-03	6.1584-04	1.7624-02	2.7516+04	3.5454-04	3.7770+00
56	439.86	2.5470+00	3.8825-01	1.1379-03	3.8825-01	1.1379-03	5.0388-04	1.4420-02	2.2514+04	2.8995-04	4.1100-01
57	439.33	4.4135+00	7.0036-01	2.0519-03	7.0036-01	2.0519-03	9.0861-04	2.6002-02	4.0597+04	5.2284-04	7.1100-01
58	443.55	7.4769+00	1.2191+00	3.5821-03	1.2191+00	3.5821-03	1.5862-03	4.5395-02	7.0874+04	9.1293-04	1.0880+00
59	454.87	1.4843+01	2.4462+00	7.2461-03	2.4462+00	7.2461-03	3.2087-03	9.1826-02	1.4337+05	1.8476-03	1.3070+00
60	518.94	6.5025+01	1.1208+01	3.4788-02	1.1208+01	3.4788-02	1.5405-02	4.4085-01	6.8830+05	8.8956-03	1.6410+00
61	454.88	3.3325+00	5.4268-01	1.6075-03	5.4268-01	1.6075-03	7.1182-04	2.0371-02	3.1805+04	4.0988-04	3.0090+00
62	451.74	2.7081+00	4.3607-01	1.2888-03	4.3607-01	1.2888-03	5.7072-04	1.6333-02	2.5500+04	3.2858-04	3.3930+00
63	450.28	2.9745+00	4.6978-01	1.3870-03	4.6978-01	1.3870-03	6.1420-04	1.7577-02	2.7443+04	3.5359-04	3.7770+00
64	440.65	8.1751+00	1.3580+00	3.9823-03	1.3580+00	3.9823-03	1.7634-03	5.0466-02	7.8792+04	1.0148-03	1.0880+00
65	452.67	1.5435+01	2.5854+00	7.6462-03	2.5854+00	7.6462-03	3.3859-03	9.6896-02	1.5128+05	1.9494-03	1.3070+00
66	520.42	6.7327+01	1.1788+01	3.6629-02	1.1788+01	3.6629-02	1.6220-02	4.6417-01	7.2471+05	9.3668-03	1.6410+00
69	437.06	2.8400+00	4.7060-01	1.3765-03	4.7060-01	1.3765-03	6.0955-04	1.7444-02	2.7235+04	3.5072-04	4.1100-01
70	433.97	4.6587+00	7.7030-01	2.2483-03	7.7030-01	2.2483-03	9.9559-04	2.8492-02	4.4484+04	5.7276-04	7.1100-01
71	452.98	1.5939+01	2.6625+00	7.8759-03	2.6625+00	7.8759-03	3.4876-03	9.9808-02	1.5583+05	2.0080-03	1.3070+00
72	523.88	6.9332+01	1.2165+01	3.7900-02	1.2165+01	3.7900-02	1.6783-02	4.8028-01	7.4986+05	9.6934-03	1.6410+00
73	453.03	2.9268+00	4.7171-01	1.3954-03	4.7171-01	1.3954-03	6.1792-04	1.7683-02	2.7609+04	3.5578-04	3.7770+00
74	466.59	2.2021+00	3.6362-01	1.0862-03	3.6362-01	1.0862-03	4.8097-04	1.3764-02	2.1490+04	2.7709-04	5.3230+00
77	444.25	2.9771+00	4.9144-01	1.4448-03	4.9144-01	1.4448-03	6.3978-04	1.8309-02	2.8586+04	3.6822-04	3.0090+00
78	440.28	2.6535+00	4.3166-01	1.2655-03	4.3166-01	1.2655-03	5.6039-04	1.6037-02	2.5039+04	3.2248-04	3.3930+00
79	444.56	2.3429+00	3.7541-01	1.1039-03	3.7541-01	1.1039-03	4.8883-04	1.3989-02	2.1842+04	2.8135-04	3.7770+00
80	462.92	3.9429+00	6.6697-01	1.9870-03	6.6697-01	1.9870-03	8.7990-04	2.5181-02	3.9314+04	5.0683-04	2.4660+00
81	444.65	2.9595+00	4.8866-01	1.4370-03	4.8866-01	1.4370-03	6.3634-04	1.8211-02	2.8432+04	3.6625-04	3.0090+00
82	440.28	2.6774+00	4.3685-01	1.2807-03	4.3685-01	1.2807-03	5.6712-04	1.6230-02	2.5339+04	3.2635-04	3.3930+00
83	444.28	2.4057+00	3.9069-01	1.1469-03	3.9069-01	1.1469-03	5.0785-04	1.4534-02	2.2691+04	2.9229-04	3.7770+00
337	516.94	2.6952+01	5.1629+00	1.6601-02	5.1629+00	1.6001-02	7.0857-03	2.0278-01	3.1659+05	4.0913-03	7.1680+00
339	495.92	1.3998+01	2.7023+00	8.2457-03	2.7023+00	8.2457-03	3.6513-03	1.0449-01	1.6314+05	2.1063-03	8.1130+00
340	471.96	2.7657+00	5.1460-01	1.5431-03	5.1460-01	1.5431-03	6.8330-04	1.9555-02	3.0530+04	3.9375-04	8.6180+00
342	517.86	2.7079+01	5.3563+00	1.6612-02	5.3563+00	1.6612-02	7.3562-03	2.1052-01	3.2868+05	4.2476-03	7.1680+00
344	500.08	1.5033+01	2.9249+00	8.9524-03	2.9249+00	8.9524-03	3.9643-03	1.1345-01	1.7713+05	2.2872-03	8.1130+00
347	516.39	2.6516+01	5.0775+00	1.5730-02	5.0775+00	1.5730-02	6.9656-03	1.9934-01	3.1123+05	4.0218-03	7.1680+00
349	499.99	1.4426+01	2.7994+00	8.5677-03	2.7994+00	8.5677-03	3.7939-03	1.0857-01	1.6952+05	2.1889-03	8.1130+00
350	472.98	2.7491+00	4.8319-01	1.4500-03	4.8319-01	1.4500-03	6.4207-04	1.8375-02	2.8688+04	3.7001-04	8.6180+00
352	523.48	2.7249+01	5.1154+00	1.5932-02	5.1154+00	1.5932-02	7.0550-03	2.0190-01	3.1522+05	4.0747-03	7.1680+00
354	504.58	1.4378+01	2.7910+00	8.5708-03	2.7910+00	8.5708-03	3.7953-03	1.0861-01	1.6958+05	2.1902-03	8.1130+00
357	523.39	2.6938+01	5.0428+00	1.5705-02	5.0428+00	1.5705-02	6.9543-03	1.9902-01	3.1072+05	4.0166-03	7.1680+00
359	503.87	1.4512+01	2.6320+00	8.0784-03	2.6320+00	8.0784-03	3.5773-03	1.0237-01	1.5984+05	2.0643-03	8.1130+00
401	441.61	5.2696+00	4.3285-01	1.2702-03	4.3285-01	1.2702-03	5.6246-04	1.6096-02	2.5131+04	3.2369-04	4.5500-01
403	443.21	5.5195+00	4.4851-01	1.3176-03	4.4851-01	1.3176-03	5.8347-04	1.6698-02	2.6070+04	3.3580-04	6.8600-01
404	846.19	-1.9375+02	3.9131+00	6.1229-03	3.9131+00	6.1229-03	2.7113-03	7.7592-02	1.2114+05	1.4907-03	8.0100-01
405	454.02	1.0014+01	8.1980-01	2.4269-03	8.1980-01	2.4269-03	1.0747-03	3.0754-02	4.8017+04	6.1878-04	1.0510+00
406	458.84	1.4070+01	1.1625+00	3.4533-03	1.1625+00	3.4533-03	1.5292-03	4.3761-02	6.8324+04	8.8067-04	1.1670+00
407	466.28	1.7962+01	1.5182+00	4.5338-03	1.5182+00	4.5338-03	2.0077-03	5.7455-02	8.9704+04	1.1566-03	1.2830+00
408	444.39	7.0655+00	5.6772-01	1.6692-03	5.6772-01	1.6692-03	7.3916-04	2.1153-02	3.3026+04	4.2542-04	5.1300-01
409	442.41	8.9242+00	7.2911-01	2.1408-03	7.2911-01	2.1408-03	9.4797-04	2.7129-02	4.2356+04	5.4556-04	5.7000-01
410	444.84	7.9865+00	6.3026-01	1.8537-03	6.3026-01	1.8537-03	8.2084-04	2.3491-02	3.6676+04	4.7244-04	6.2800-01
411	447.81	1.0028+01	8.2231-01	2.4236-03	8.2231-01	2.4236-03	1.0732-03	3.0713-02	4.7952+04	6.1779-04	6.8600-01
412	453.02	6.6162+00	5.4126-01	1.6012-03	5.4126-01	1.6012-03	7.0903-04	2.0291-02	3.1680+04	4.0823-04	7.4400-01
413	449.66	1.0544+01	8.7091-01	2.5702-03	8.7091-01	2.5702-03	1.1381-03	3.2571-02	5.0853+04	6.5521-04	8.0100-01
414	450.61	9.0753+00	7.4122-01	2.1890-03	7.4122-01	2.1890-03	9.6931-04	2.7740-02	4.3310+04	5.5804-04	8.5900-01
415	455.02	1.1139+01	9.1800-01	2.7195-03	9.1800-01	2.7195-03	1.2043-03	3.4463-02	5.3807+04	6.9343-04	9.1700-01
416	448.87	7.8914+00	6.0136-01	1.7737-03	6.0136-01	1.7737-03	7.8543-04	2.2477-02	3.5094+04	4.5215-04	5.7000-01
417	458.63	1.2900+01	1.0594+00	3.1464-03	1.0594+00	3.1464-03	1.3933-03	3.9872-02	6.2252+04	8.0239-04	1.0520+00

35 1 -12.00 -.00 179.98 .00 402 1 2.70 10.13 748.2 1778.5

8.62299+01 1.56530-02 1.12434+00 4.60921+03 1.52301-05 6.98462-08 8.43178-02 7.72000+00 7.24184-06 7.44580-02

1	436.90	2.7055+00	4.4825-01	1.3112-03	4.4825-01	1.3112-03	5.8054-04	1.6616-02	2.5949+04	3.3411-04	4.1100-01	
2	433.73	4.1574+00	6.8730-01	2.0060-03	6.8730-01	2.0060-03	8.8817-04	2.5421-02	3.9699+04	5.1108-04	7.1100-01	
3	438.01	1.0404+01	1.7251+00	5.0503-03	1.7251+00	5.0503-03	2.2360-03	6.3999-02	9.9946+04	1.2869-03	1.3070+00	
4	472.72	3.2883+01	5.5828+00	1.6752-02	5.5828+00	1.6752-02	7.4172-03	2.1229-01	3.3153+05	4.2753-03	1.6410+00	
5	481.69	3.4205+01	6.1151+00	1.8469-02	6.1151+00	1.8469-02	8.1773-03	2.3405-01	3.6551+05	4.7154-03	1.7720+00	
6	462.78	3.9055+00	6.4902-01	1.9337-03	6.4902-01	1.9337-03	8.5614-04	2.4504-02	3.8267+04	4.9327-04	2.4660+00	
7	446.11	2.9714+00	4.8678-01	1.4332-03	4.8678-01	1.4332-03	6.3455-04	1.8162-02	2.8363+04	3.6533-04	3.0090+00	
8	440.85	2.7283+00	4.4136-01	1.2946-03	4.4136-01	1.2946-03	5.7321-04	1.6406-02	2.5621+04	3.2994-04	3.3930+00	
9	443.56	2.3527+00	3.8131-01	1.1206-03	3.8131-01	1.1206-03	4.9617-04	1.4201-02	2.2178+04	2.8563-04	3.7770+00	
10	460.32	1.9584+00	3.2263-01	9.5775-04	3.2263-01	9.5775-04	4.2405-04	1.2137-02	1.8954+04	2.4429-04	5.3230+00	
14	437.26	6.5735+00	1.0894+00	3.1875-03	1.0894+00	3.1875-03	1.4113-03	4.0393-02	6.3080+04	8.1221-04	1.6880+00	
15	440.86	1.1521+01	1.9141+00	5.6147-03	1.9141+00	5.6147-03	2.4859-03	7.1152-02	1.1112+05	1.4309-03	1.3070+00	
16	485.08	4.2904+01	7.3437+00	2.2235-02	7.3437+00	2.2235-02	9.8445-03	2.8177-01	4.4003+05	5.6776-03	1.6410+00	
19	439.39	2.8327+00	4.2754-01	1.2528-03	4.2754-01	1.2528-03	5.5469-04	1.5876-02	2.4793+04	3.1926-04	4.1100-01	
20	440.06	4.3745+00	6.9241-01	2.0299-03	6.9241-01	2.0299-03	8.9875-04	2.5724-02	4.0172+04	5.1731-04	7.1100-01	
21	439.47	6.9169+00	1.1112+00	3.2562-03	1.1112+00	3.2562-03	1.4417-03	4.1264-02	6.4440+04	8.2980-04	1.0880+00	
22	442.01	1.2199+01	1.9751+00	5.7982-03	1.9751+00	5.7982-03	2.5672-03	7.3478-02	1.1475+05	1.4778-03	1.3070+00	
23	717.67	6.9090-02	1.2941-02	4.7239-05	1.2941-02	4.7239-05	2.0915-05	5.9864-04	9.3487+02	1.2199-05	1.6410+00	
24	448.27	3.2229+00	5.2403-01	1.5452-03	5.2403-01	1.5452-03	6.8415-04	1.9582-02	3.0580+04	3.9393-04	3.0090+00	
25	444.18	2.8706+00	4.5427-01	1.3356-03	4.5427-01	1.3356-03	5.9136-04	1.6926-02	2.6432+04	3.4044-04	3.3930+00	
26	443.97	2.7221+00	4.3335-01	1.2739-03	4.3335-01	1.2739-03	5.6404-04	1.6144-02	2.5211+04	3.2471-04	3.7770+00	
27	440.03	3.8514+00	6.0960-01	1.7871-03	6.0960-01	1.7871-03	7.9125-04	2.2647-02	3.5367+04	4.5543-04	7.1100-01	
28	441.26	7.3647+00	1.1846+00	3.4756-03	1.1846+00	3.4756-03	1.5389-03	4.4045-02	6.8783+04	8.8579-04	1.0880+00	
29	448.64	1.2718+01	2.0871+00	6.1558-03	2.0871+00	6.1558-03	2.7255-03	7.8009-02	1.2182+05	1.5694-03	1.3070+00	
30	503.57	5.2590+01	8.9768+00	2.7551-02	8.9768+00	2.7551-02	1.2198-02	3.4914-01	5.4523+05	7.0409-03	1.6410+00	
31	495.75	4.2428+01	7.3128+00	2.2314-02	7.3128+00	2.2314-02	9.8799-03	2.8278-01	4.4161+05	5.7007-03	1.7720+00	
32	462.35	4.0888+00	6.7930-01	2.0232-03	6.7930-01	2.0232-03	8.9580-04	2.5639-02	4.0040+04	5.1611-04	2.4660+00	
33	449.16	3.3018+00	5.4527-01	1.6088-03	5.4527-01	1.6088-03	7.1233-04	2.0388-02	3.1839+04	4.1017-04	3.0090+00	
34	445.77	3.0343+00	4.9252-01	1.4497-03	4.9252-01	1.4497-03	6.4188-04	1.8372-02	2.8691+04	3.6955-04	3.3930+00	
35	445.44	2.8130+00	4.3731-01	1.2869-03	4.3731-01	1.2869-03	5.6978-04	1.6308-02	2.5468+04	3.2804-04	3.7770+00	
36	451.26	1.2731+01	2.0660+00	6.1110-03	2.0680+00	6.1110-03	2.7057-03	7.7441-02	1.2094+05	1.5581-03	1.3070+00	
37	462.70	4.2961+00	7.2238-01	2.1521-03	7.2238-01	2.1521-03	9.5285-04	2.7272-02	4.2590+04	5.4899-04	2.4660+00	
38	451.69	3.0629+00	4.9918-01	1.4755-03	4.9918-01	1.4755-03	6.5330-04	1.8698-02	2.9201+04	3.7622-04	3.0090+00	
39	448.00	3.1621+00	5.1097-01	1.5064-03	5.1097-01	1.5064-03	6.6697-04	1.9090-02	2.9812+04	3.8403-04	3.3930+00	
40	447.51	2.9221+00	4.6775-01	1.3785-03	4.6775-01	1.3785-03	6.1034-04	1.7469-02	2.7281+04	3.5142-04	3.7770+00	
41	452.17	2.3974+00	3.7677-01	1.1141-03	3.7677-01	1.1141-03	4.9326-04	1.4118-02	2.2048+04	2.8407-04	4.1620+00	
43	463.29	2.2099+00	3.6846-01	1.0982-03	3.6846-01	1.0982-03	4.8622-04	1.3917-02	2.1733+04	2.8015-04	5.3230+00	
47	440.43	4.0130+00	6.4119-01	1.8802-03	6.4119-01	1.8802-03	8.3249-04	2.3827-02	3.7210+04	4.7918-04	7.1100-01	
48	443.33	7.1018+00	1.1577+00	3.4019-03	1.1577+00	3.4019-03	1.5062-03	4.3111-02	6.7324+04	8.6709-04	1.0880+00	
49	453.21	1.4250+01	2.3528+00	6.9620-03	2.3528+00	6.9620-03	3.0825-03	8.8226-02	1.3778+05	1.7753-03	1.3070+00	
50	523.40	5.7452+01	9.9892+00	3.1114-02	9.9892+00	3.1114-02	1.3776-02	3.9430-01	6.1576+05	7.9587-03	1.6410+00	
51	508.07	4.4924+01	7.8043+00	2.4032-02	7.8043+00	2.4032-02	1.0640-02	3.0455-01	4.7560+05	6.1429-03	1.7720+00	
52	465.53	4.3408+00	7.3343-01	2.1894-03	7.3343-01	2.1894-03	9.6939-04	2.7746-02	4.3329+04	5.5859-04	2.4660+00	
53	453.47	3.3870+00	5.5269-01	1.6357-03	5.5269-01	1.6357-03	7.2423-04	2.0729-02	3.2371+04	4.1710-04	3.0090+00	
54	452.06	2.6634+00	4.2897-01	1.2683-03	4.2897-01	1.2683-03	5.6155-04	1.6073-02	2.5100+04	3.2339-04	3.3930+00	
55	451.10	2.7657+00	4.3704-01	1.2913-03	4.3704-01	1.2913-03	5.7173-04	1.6364-02	2.5555+04	3.2924-04	3.7770+00	
56	440.55	2.4280+00	3.7029-01	1.0859-03	3.7029-01	1.0859-03	4.8081-04	1.3762-02	2.1491+04	2.7675-04	4.1100-01	
57	440.43	4.3371+00	6.8877-01	2.0197-03	6.8877-01	2.0197-03	8.9426-04	2.5595-02	3.9971+04	5.1473-04	7.1100-01	
58	445.42	7.4821+00	1.2215+00	3.5945-03	1.2215+00	3.5945-03	1.5915-03	4.5551-02	7.1136+04	9.1626-04	1.0880+00	
59	458.59	1.5020+01	2.4816+00	7.3714-03	2.4816+00	7.3714-03	3.2637-03	9.3414-02	1.4588+05	1.8801-03	1.3070+00	
60	535.06	6.4110+01	1.1161+01	3.5072-02	1.1161+01	3.5072-02	1.5528-02	4.4445-01	6.9408+05	8.9759-03	1.6410+00	
61	455.71	3.3065+00	5.3875-01	1.5970-03	5.3875-01	1.5970-03	7.0709-04	2.0238-02	3.1605+04	4.0727-04	3.0090+00	
62	452.38	2.7320+00	4.4011-01	1.3016-03	4.4011-01	1.3016-03	5.7627-04	1.6494-02	2.5758+04	3.3187-04	3.3930+00	
63	451.02	2.7714+00	4.3792-01	1.2938-03	4.3792-01	1.2938-03	5.7285-04	1.6396-02	2.5605+04	3.2988-04	3.7770+00	
64	442.68	8.1106+00	1.3492+00	3.9627-03	1.3492+00	3.9627-03	1.7545-03	5.0217-02	7.8423+04	1.0100-03	1.0880+00	
65	456.50	1.5480+01	2.5996+00	7.7105-03	2.5996+00	7.7105-03	3.4139-03	9.7711-02	1.5259+05	1.9664-03	1.3070+00	
66	537.10	6.6407+01	1.1747+01	3.6971-02	1.1747+01	3.6971-02	1.6369-02	4.6852-01	7.3167+05	9.4628-03	1.6410+00	
69	437.79	2.8062+00	4.6524-01	1.3617-03	4.6524-01	1.3617-03	6.0292-04	1.7257-02	2.6949+04	3.4700-04	4.1100-01	
70	435.14	4.7044+00	7.7849-01	2.2744-03	7.7849-01	2.2744-03	1.0070-03	2.8822-02	4.5011+04	5.7950-04	7.1100-01	
71	456.95	1.6064+01	2.6967+00	7.9831-03	2.6967+00	7.9831-03	3.5346-03	1.0117-01	1.5799+05	2.0360-03	1.3070+00	
72	541.12	6.8358+01	1.2122+01	3.8268-02	1.2122+01	3.8268-02	1.6943-02	4.8495-01	7.5732+05	9.7964-03	1.6410+00	
73	453.83	3.1122+00	5.0167-01	1.4857-03	5.0167-01	1.4857-03	6.5781-04	1.8828-02	2.9402+04	3.7885-04	3.7770+00	
74	467.13	2.2016+00	3.6367-01	1.0869-03	3.6367-01	1.0869-03	4.8122-04	1.3773-02	2.1509+04	2.7731-04	5.3230+00	
77	444.99	3.0047+00	4.9624-01	1.4599-03	4.9624-01	1.4599-03	6.4637-04	1.8500-02	2.8891+04	3.7212-04	3.0090+00	
78	440.96	2.6436+00	4.3026-01	1.2622-03	4.3026-01	1.2622-03	5.5884-04	1.5995-02	2.4979+04	3.2167-04	3.3930+00	
79	445.15	2.3813+00	3.8172-01	1.1231-03	3.8172-01	1.1231-03	4.9726-04	1.4233-02	2.2226+04	2.8628-04	3.7770+00	
80	463.92	3.9600+00	6.7032-01	1.9987-03	6.7032-01	1.9987-03	8.8495-04	2.5329-02	3.9555+04	5.0990-04	2.4660+00	
81	445.39	2.9413+00	4.8591-01	1.4299-03	4.8591-01	1.4299-03	6.3309-04	1.8120-02	2.8298+04	3.6448-04	3.0090+00	
82	440.96	2.6629+00	4.3468-01	1.2751-03	4.3468-01	1.2751-03	5.6458-04	1.6159-02	2.5235+04	3.2498-04	3.3930+00	
83	444.90	2.4270+00	3.9371-01	1.1582-03	3.9371-01	1.1582-03	5.1279-04	1.4677-02	2.2920+04	2.9522-04	3.7770+00	
337	523.70	2.6829+01	5.1611+00	1.6079-02	5.1611+00	1.6079-02	7.1192-03	2.0376-01	3.1821+05	4.1130-03	7.1680+00	
339	499.45	1.4094+01	2.7268+00	8.3435-03	2.7268+00	8.3435-03	3.6941-03	1.0573-01	1.6512+05	2.1319-03	8.1130+00	
340	472.66	2.7984+00	5.2093-01	1.5631-03	5.2093-01	1.5631-03	6.9207-04	1.9808-02	3.0934+04	3.9892-04	8.6180+00	
342	524.62	2.6752+01	5.3139+00	1.6567-02	5.3139+00	1.6567-02	7.3350-03	2.0994-01	3.2786+05	4.2378-03	7.1680+00	
344	503.83	1.5039+01	2.9333+00	9.0042-03	2.9333+00	9.0042-03	3.9867-03	1.1411-01	1.7819+05	2.3011-03	8.1130+00	
347	522.99	2.6370+01	5.0705+00	1.5789-02	5.0705+00	1.5789-02	6.9905-03	2.0008-01	3.1246+05	4.0385-03	7.1680+00	
349	503.60	1.4462+01	2.8129+00	8.6331-03	2.8129+00	8.6331-03	3.8224-03	1.0940-01	1.7085+05	2.2063-03	8.1130+00	
350	473.66	2.7688+00	4.8688-01	1.4620-03	4.8688-01	1.4620-03	6.4730-04	1.8527-02	2.8933+04	3.7312-04	8.6180+00	
352	530.27	2.7104+01	5.1096+00	1.5998-02	5.1096+00	1.5998-02	7.0832-03	2.0273-01	3.1660+05	4.0934-03	7.1680+00	
354	508.16	1.4317+01	2.7856+00	8.5784-03	2.7856+00	8.5784-03	3.7981-03	1.0871-01	1.6977+05	2.1927-03	8.1130+00	
357	530.12	2.6798+01	5.0377+00	1.5771-02	5.0377+00	1.5771-02	6.9826-03	1.9986-01	3.1211+05	4.0352-03	7.1680+00	
359	507.52	1.4523+01	2.6460+00	8.1262-03	2.6400+00	8.1262-03	3.5979-03	1.0298-01	1.6082+05	2.0771-03	8.1130+00	
401	442.89	5.2343+00	4.3034-01	1.2641-03	4.3034-01	1.2641-03	5.5970-04	1.6020-02	2.5017+04	3.2219-04	4.5500-01	
403	444.59	5.6229+00	4.5735-01	1.3451-03	4.5735-01	1.3451-03	5.9554-04	1.7045-02	2.6619+04	3.4285-04	6.8600-01	
404	892.25	-1.6621+02	4.1411+00	6.3775-03	4.1411+00	6.3775-03	2.8237-03	8.0819-02	1.2621+05	1.5505-03	8.0100-01	
405	456.57	1.0336+01	8.4759-01	2.5141-03	8.4759-01	2.5141-03	1.1131-03	3.1859-02	4.9754+04	6.4116-04	1.0510+00	
406	462.34	1.3921+01	1.1530+00	3.4339-03	1.1530+00	3.4339-03	1.5204-03	4.3516-02	6.7958+04	8.7597-04	1.1670+00	
407	470.71	1.7817+01	1.5104+00	4.5256-03	1.5104+00	4.5256-03	2.0038-03	5.7351-02	8.9563+04	1.1549-03	1.2830+00	
408	446.16	7.0852+00	5.7000-01	1.6783-03	5.7000-01	1.6783-03	7.4306-04	2.1268-02	3.3213+04	4.2781-04	5.1300-01	
409	444.65	8.8223+00	7.2191-01	2.1233-03	7.2191-01	2.1233-03	9.4009-04	2.6907-02	4.2019+04	5.4121-04	5.7000-01	
410	446.83	7.9501+00	6.2825-01	1.8506-03	6.2825-01	1.8506-03	8.1938-04	2.3452-02	3.6624+04	4.7176-04	6.2800-01	
411	450.27	9.6608+00	7.9358-01	2.3433-03	7.9358-01	2.3433-03	1.0375-03	2.9696-02	4.6375+04	5.9745-04	6.8600-01	
412	455.02	6.8867+00	5.6416-01	1.6715-03	5.6416-01	1.6715-03	7.4009-04	2.1183-02	3.3080+04	4.2626-04	7.4400-01	
413	452.34	1.0322+01	8.5415-01	2.5259-03	8.5415-01	2.5259-03	1.1184-03	3.2010-02	4.9988+04	6.4406-04	8.0100-01	
414	452.82	8.9543+00	7.3244-01	2.1667-03	7.3244-01	2.1667-03	9.5934-04	2.7458-02	4.2880+04	5.5249-04	8.5900-01	
415	457.85	1.1384+01	9.4001-01	2.7908-03	9.4001-01	2.7908-03	1.2356-03	3.5366-02	5.5230+04	7.1176-04	9.1700-01	
416	450.81	7.6992+00	5.8749-01	1.7354-03	5.8749-01	1.7354-03	7.6838-04	2.1992-02	3.4345+04	4.4248-04	5.7000-01	
417	461.80	1.2685+01	1.0440+00	3.1081-03	1.0440+00	3.1081-03	1.3762-03	3.9368-02	6.1511+04	7.9285-04	1.0520+00	

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35 1 -12.00 -.00 179.98 .00 402 1 3.20 10.13 748.2 1778.5

8.62299+01 1.56530-02 1.12434+00 4.60921+03 1.52301-05 6.98462-08 8.43178-02 7.72000+00 7.24184-06 7.44580-02

1	438.25	2.6883+00	4.4583-01	1.3055-03	4.4583-01	1.3055-03	5.7804-04	1.6544-02	2.5837+04	3.3264-04	4.1100-01
2	435.83	4.0878+00	6.7678-01	1.9785-03	6.7678-01	1.9785-03	8.7598-04	2.5072-02	3.9154+04	5.0404-04	7.1100-01
3	443.23	1.0422+01	1.7344+00	5.0968-03	1.7344+00	5.0968-03	2.2567-03	6.4589-02	1.0087+05	1.2989-03	1.3070+00
4	489.11	3.2723+01	5.6158+00	1.7056-02	5.6158+00	1.7056-02	7.5515-03	2.1614-01	3.3754+05	4.3553-03	1.6410+00
5	498.40	3.2837+01	5.9347+00	1.8148-02	5.9347+00	1.8148-02	8.0349-03	2.2997-01	3.5914+05	4.6360-03	1.7720+00
6	464.72	3.9236+00	6.5290-01	1.9482-03	6.5290-01	1.9482-03	8.6257-04	2.4688-02	3.8555+04	4.9695-04	2.4660+00
7	447.62	2.9974+00	4.9155-01	1.4490-03	4.9155-01	1.4490-03	6.4154-04	1.8362-02	2.8675+04	3.6933-04	3.0090+00
8	442.23	2.7564+00	4.4632-01	1.3106-03	4.4632-01	1.3106-03	5.8030-04	1.6609-02	2.5938+04	3.3400-04	3.3930+00
9	444.76	2.4218+00	3.9283-01	1.1556-03	3.9283-01	1.1556-03	5.1167-04	1.4645-02	2.2870+04	2.9453-04	3.7770+00
10	461.32	1.9834+00	3.2635-01	9.7142-04	3.2635-01	9.7142-04	4.3011-04	1.2310-02	1.9225+04	2.4776-04	5.3230+00
14	440.59	6.5704+00	1.0914+00	3.2013-03	1.0914+00	3.2013-03	1.4174-03	4.0568-02	6.3354+04	8.1574-04	1.0880+00
15	446.62	1.1522+01	1.9218+00	5.6611-03	1.9218+00	5.6611-03	2.5065-03	7.1741-02	1.1203+05	1.4429-03	1.3070+00
16	506.19	4.2022+01	7.2915+00	2.2425-02	7.2915+00	2.2425-02	9.9289-03	2.8418-01	4.4380+05	5.7308-03	1.6410+00
19	440.78	2.7668+00	4.1798-01	1.2262-03	4.1798-01	1.2262-03	5.4290-04	1.5539-02	2.4266+04	3.1245-04	4.1100-01
20	442.22	4.2971+00	6.8117-01	2.0003-03	6.8117-01	2.0003-03	8.8564-04	2.5349-02	3.9586+04	5.0974-04	7.1100-01
21	442.93	6.8571+00	1.1042+00	3.2441-03	1.1042+00	3.2441-03	1.4364-03	4.1111-02	6.4202+04	8.2674-04	1.0880+00
22	448.05	1.1915+01	1.9371+00	5.7119-03	1.9371+00	5.7119-03	2.5290-03	7.2384-02	1.1304+05	1.4560-03	1.3070+00
23	717.74	9.1430-02	1.7126-02	6.2531-05	1.7126-02	6.2531-05	2.7686-05	7.9243-04	1.2375+03	1.6145-05	1.6410+00
24	449.83	3.1164+00	5.0726-01	1.4976-03	5.0726-01	1.4976-03	6.6308-04	1.8978-02	2.9638+04	3.8177-04	3.0090+00
25	445.61	2.8831+00	4.5669-01	1.3443-03	4.5669-01	1.3443-03	5.9520-04	1.7036-02	2.6604+04	3.4262-04	3.3930+00
26	445.27	2.6312+00	4.1925-01	1.2338-03	4.1925-01	1.2338-03	5.4627-04	1.5635-02	2.4417+04	3.1446-04	3.7770+00
27	441.93	3.8026+00	6.0266-01	1.7694-03	6.0266-01	1.7694-03	7.8340-04	2.2422-02	3.5016+04	4.5089-04	7.1100-01
28	444.93	7.3070+00	1.1783+00	3.4666-03	1.1783+00	3.4666-03	1.5349-03	4.3931-02	6.8605+04	8.8351-04	1.0880+00
29	454.88	1.2823+01	2.1134+00	6.2619-03	2.1134+00	6.2619-03	2.7725-03	7.9354-02	1.2392+05	1.5966-03	1.3070+00
30	529.41	5.0954+01	8.8399+00	2.7663-02	8.8399+00	2.7663-02	1.2248-02	3.5056-01	5.4746+05	7.0769-03	1.6410+00
31	516.63	4.1163+01	7.1897+00	2.2284-02	7.1897+00	2.2284-02	9.8666-03	2.8240-01	4.4101+05	5.6975-03	1.7720+00
32	464.42	4.1870+00	6.9658-01	2.0781-03	6.9658-01	2.0781-03	9.2009-04	2.6335-02	4.1126+04	5.3008-04	2.4660+00
33	450.86	3.1995+00	5.2898-01	1.5629-03	5.2898-01	1.5629-03	6.9198-04	1.9806-02	3.0930+04	3.9843-04	3.0090+00
34	447.28	3.0306+00	4.9245-01	1.4513-03	4.9245-01	1.4513-03	6.4256-04	1.8391-02	2.8721+04	3.6991-04	3.3930+00
35	446.85	2.8951+00	4.5050-01	1.3273-03	4.5050-01	1.3273-03	5.8765-04	1.6820-02	2.6267+04	3.3830-04	3.7770+00
36	457.52	1.2729+01	2.0766+00	6.1644-03	2.0766+00	6.1644-03	2.7293-03	7.8118-02	1.2199+05	1.5719-03	1.3070+00
37	464.84	4.2629+00	7.1782-01	2.1421-03	7.1782-01	2.1421-03	9.4842-04	2.7145-02	4.2392+04	5.4641-04	2.4660+00
38	453.15	3.1112+00	5.0756-01	1.5021-03	5.0756-01	1.5021-03	6.6505-04	1.9035-02	2.9726+04	3.8296-04	3.0090+00
39	449.47	2.7974+00	4.5250-01	1.3356-03	4.5250-01	1.3356-03	5.9135-04	1.6925-02	2.6432+04	3.4046-04	3.3930+00
40	448.97	2.9408+00	4.7121-01	1.3904-03	4.7121-01	1.3904-03	6.1559-04	1.7619-02	2.7515+04	3.5441-04	3.7770+00
41	453.51	2.8696+00	4.5140-01	1.3362-03	4.5140-01	1.3362-03	5.9160-04	1.6933-02	2.6443+04	3.4067-04	4.1620+00
43	464.41	2.3236+00	3.8772-01	1.1567-03	3.8772-01	1.1567-03	5.1212-04	1.4658-02	2.2891+04	2.9504-04	5.3230+00
47	442.42	4.0135+00	6.4216-01	1.8860-03	6.4216-01	1.8860-03	8.3504-04	2.3900-02	3.7324+04	4.8062-04	7.1100-01
48	446.87	7.0800+00	1.1570+00	3.4088-03	1.1570+00	3.4088-03	1.5093-03	4.3197-02	6.7460+04	8.6884-04	1.0880+00
49	460.44	1.4765+01	2.4499+00	7.2878-03	2.4499+00	7.2878-03	3.2267-03	9.2355-02	1.4423+05	1.8587-03	1.3070+00
50	551.72	5.5715+01	9.8565+00	3.1373-02	9.8565+00	3.1373-02	1.3891-02	3.9758-01	6.2088+05	8.0342-03	1.6410+00
51	530.28	4.3836+01	7.7220+00	2.4181-02	7.7220+00	2.4181-02	1.0706-02	3.0644-01	4.7855+05	6.1863-03	1.7720+00
52	467.70	4.3699+00	7.3942-01	2.2111-03	7.3942-01	2.2111-03	9.7897-04	2.8020-02	4.3758+04	5.6408-04	2.4660+00
53	455.17	3.4545+00	5.6436-01	1.6725-03	5.6436-01	1.6725-03	7.4053-04	2.1195-02	3.3100+04	4.2646-04	3.0090+00
54	453.48	3.1096+00	5.0133-01	1.4840-03	5.0133-01	1.4840-03	6.5703-04	1.8805-02	2.9368+04	3.7835-04	3.3930+00
55	452.32	2.5886+00	4.0939-01	1.2108-03	4.0939-01	1.2108-03	5.3610-04	1.5344-02	2.3962+04	3.0869-04	3.7770+00
56	441.55	2.4021+00	3.6659-01	1.0760-03	3.6659-01	1.0760-03	4.7640-04	1.3635-02	2.1294+04	2.7419-04	4.1100-01
57	442.55	4.3200+00	6.8705-01	2.0180-03	6.8705-01	2.0180-03	8.9349-04	2.5573-02	3.9937+04	5.1427-04	7.1100-01
58	449.14	7.2301+00	1.1834+00	3.4921-03	1.1834+00	3.4921-03	1.5461-03	4.4253-02	6.9109+04	8.9017-04	1.0880+00
59	466.13	1.5110+01	2.5093+00	7.4950-03	2.5093+00	7.4950-03	3.3185-03	9.4980-02	1.4833+05	1.9120-03	1.3070+00
60	566.62	6.1954+01	1.0993+01	3.5396-02	1.0993+01	3.5396-02	1.5672-02	4.4855-01	7.0049+05	9.0706-03	1.6410+00
61	457.33	3.3880+00	5.5264-01	1.6403-03	5.5264-01	1.6403-03	7.2627-04	2.0787-02	3.2462+04	4.1829-04	3.0090+00
62	453.90	3.1979+00	5.1572-01	1.5270-03	5.1572-01	1.5270-03	6.7609-04	1.9351-02	3.0220+04	3.8933-04	3.3930+00
63	452.28	2.6005+00	4.1127-01	1.2163-03	4.1127-01	1.2163-03	5.3854-04	1.5414-02	2.4072+04	3.1010-04	3.7770+00
64	446.64	7.9434+00	1.3250+00	3.9031-03	1.3250+00	3.9031-03	1.7281-03	4.9462-02	7.7243+04	9.9483-04	1.0880+00
65	464.30	1.5666+01	2.6448+00	7.8894-03	2.6448+00	7.8894-03	3.4931-03	9.9978-02	1.5613+05	2.0124-03	1.3070+00
66	569.88	6.4149+01	1.1573+01	3.7360-02	1.1573+01	3.7360-02	1.6541-02	4.7344-01	7.3936+05	9.5753-03	1.6410+00
69	439.12	2.5990+00	4.3127-01	1.2637-03	4.3127-01	1.2637-03	5.5951-04	1.6014-02	2.5008+04	3.2199-04	4.1100-01
70	437.50	4.6826+00	7.7616-01	2.2717-03	7.7616-01	2.2717-03	1.0058-03	2.8788-02	4.4957+04	5.7878-04	7.1100-01
71	465.12	1.6227+01	2.7330+00	8.1573-03	2.7330+00	8.1573-03	3.6117-03	1.0337-01	1.6143+05	2.0808-03	1.3070+00
72	574.69	6.5532+01	1.1856+01	3.8418-02	1.1856+01	3.8418-02	1.7010-02	4.8685-01	7.6029+05	9.8486-03	1.6410+00
73	455.38	3.0945+00	4.9955-01	1.4807-03	4.9955-01	1.4807-03	6.5559-04	1.8764-02	2.9303+04	3.7755-04	3.7770+00
74	468.25	2.3081+00	3.8155-01	1.1414-03	3.8155-01	1.1414-03	5.0536-04	1.4464-02	2.2588+04	2.9119-04	5.3230+00
77	446.50	3.0738+00	5.0818-01	1.4968-03	5.0818-01	1.4968-03	6.6272-04	1.8968-02	2.9622+04	3.8151-04	3.0090+00
78	442.27	2.6738+00	4.3556-01	1.2791-03	4.3556-01	1.2791-03	5.6632-04	1.6209-02	2.5313+04	3.2595-04	3.3930+00
79	446.34	2.3803+00	3.8187-01	1.1246-03	3.8187-01	1.1246-03	4.9795-04	1.4252-02	2.2257+04	2.8665-04	3.7770+00
80	465.90	3.9678+00	6.7253-01	2.0085-03	6.7253-01	2.0085-03	8.8926-04	2.5452-02	3.9748+04	5.1235-04	2.4660+00
81	446.86	2.9917+00	4.9473-01	1.4576-03	4.9473-01	1.4576-03	6.4535-04	1.8471-02	2.8845+04	3.7151-04	3.0090+00
82	442.27	2.6421+00	4.3168-01	1.2677-03	4.3168-01	1.2677-03	5.6128-04	1.6065-02	2.5088+04	3.2305-04	3.3930+00
83	446.08	2.4317+00	3.9479-01	1.1625-03	3.9479-01	1.1625-03	5.1470-04	1.4732-02	2.3006+04	2.9629-04	3.7770+00
337	536.98	2.6233+01	5.0879+00	1.6014-02	5.0879+00	1.6014-02	7.0901-03	2.0293-01	3.1691+05	4.0980-03	7.1680+00
339	506.55	1.4195+01	2.7589+00	8.4874-03	2.7589+00	8.4874-03	3.7578-03	1.0756-01	1.6797+05	2.1690-03	8.1130+00
340	474.01	2.7408+00	5.1065-01	1.5340-03	5.1065-01	1.5340-03	6.7917-04	1.9439-02	3.0357+04	3.9145-04	8.6180+00
342	537.81	2.6107+01	5.2282+00	1.6466-02	5.2282+00	1.6466-02	7.2903-03	2.0866-01	3.2586+05	4.2139-03	7.1680+00
344	511.36	1.4952+01	2.9302+00	9.0463-03	2.9302+00	9.0463-03	4.0053-03	1.1464-01	1.7903+05	2.3124-03	8.1130+00
347	536.13	2.6188+01	5.0766+00	1.5968-02	5.0766+00	1.5968-02	7.0699-03	2.0235-01	3.1600+05	4.0861-03	7.1680+00
349	510.83	1.4374+01	2.8087+00	8.6679-03	2.8087+00	8.6679-03	3.8378-03	1.0984-01	1.7154+05	2.2156-03	8.1130+00
350	475.08	2.8577+00	5.0297-01	1.5121-03	5.0297-01	1.5121-03	6.6947-04	1.9162-02	2.9924+04	3.8588-04	8.6180+00
352	543.70	2.6705+01	5.0760+00	1.6058-02	5.0760+00	1.6058-02	7.1097-03	2.0349-01	3.1779+05	4.1106-03	7.1680+00
354	515.29	1.4240+01	2.7831+00	8.6175-03	2.7831+00	8.6175-03	3.8155-03	1.0921-01	1.7054+05	2.2031-03	8.1130+00
357	543.40	2.6445+01	5.0119+00	1.5852-02	5.0119+00	1.5852-02	7.0184-03	2.0088-01	3.1370+05	4.0577-03	7.1680+00
359	514.75	1.4359+01	2.6223+00	8.1162-03	2.6223+00	8.1162-03	3.5935-03	1.0285-01	1.6062+05	2.0749-03	8.1130+00
401	445.54	5.2977+00	4.3634-01	1.2843-03	4.3634-01	1.2843-03	5.6865-04	1.6276-02	2.5417+04	3.2734-04	4.5500-01
403	447.44	5.7486+00	4.6849-01	1.3808-03	4.6849-01	1.3808-03	6.1137-04	1.7498-02	2.7327+04	3.5196-04	6.6600-01
404	972.85	-1.7371+02	5.7931+00	8.6831-03	5.7931+00	8.6831-03	3.8445-03	1.1004-01	1.7184+05	2.1055-03	8.0100-01
405	461.87	1.0596+01	8.7206-01	2.5968-03	8.7206-01	2.5968-03	1.1498-03	3.2908-02	5.1392+04	6.6233-04	1.0510+00
406	469.26	1.3725+01	1.1420+00	3.4187-03	1.1420+00	3.4187-03	1.5136-03	4.3323-02	6.7656+04	8.7222-04	1.1670+00
407	479.59	1.7749+01	1.5136+00	4.5650-03	1.5136+00	4.5650-03	2.0212-03	5.7850-02	9.0343+04	1.1652-03	1.2830+00
408	449.73	6.8239+00	5.5033-01	1.6247-03	5.5033-01	1.6247-03	7.1933-04	2.0589-02	3.2152+04	4.1416-04	5.1300-01
409	449.03	8.4494+00	6.9348-01	2.0462-03	6.9348-01	2.0462-03	9.0599-04	2.5931-02	4.0495+04	5.2160-04	5.7000-01
410	450.73	7.4920+00	5.9363-01	1.7537-03	5.9363-01	1.7537-03	7.7648-04	2.2224-02	3.4707+04	4.4708-04	6.2800-01
411	454.94	9.5018+00	7.8301-01	2.3201-03	7.8301-01	2.3201-03	1.0273-03	2.9402-02	4.5916+04	5.9158-04	6.8600-01
412	458.30	6.0119+00	4.9360-01	1.4661-03	4.9360-01	1.4661-03	6.4913-04	1.8579-02	2.9014+04	3.7387-04	7.4400-01
413	457.41	1.0456+01	8.6819-01	2.5771-03	8.6819-01	2.5771-03	1.1410-03	3.2658-02	5.1001+04	6.5716-04	8.0100-01
414	457.32	9.1605+00	7.5161-01	2.2309-03	7.5161-01	2.2309-03	9.8774-04	2.8271-02	4.4150+04	5.6888-04	8.5900-01
415	463.50	1.1063+01	9.1700-01	2.7338-03	9.1700-01	2.7338-03	1.2104-03	3.4645-02	5.4103+04	6.9732-04	9.1700-01
416	454.57	7.8270+00	5.9877-01	1.7738-03	5.9877-01	1.7738-03	7.8535-04	2.2478-02	3.5103+04	4.5226-04	5.7000-01
417	468.15	1.2683+01	1.0483+00	3.1356-03	1.0483+00	3.1356-03	1.3883-03	3.9736-02	6.2054+04	7.9996-04	1.0520+00

CONFIDENTIAL

31 1 6.96 -5.04 .00 -.00 402 1 1.85 10.13 748.7 1778.2

8.62111+01 1.56637-02 1.12512+00 4.60873+03 1.52438-05 6.98310-08 8.44031-02 7.72000+00 7.24006-06 7.44601-02

1	444.69	8.0400+00	1.3393+00	3.9393-03	1.3393+00	3.9393-03	1.7427-03	4.9896-02	7.7978+04	1.0044-03	4.1100-01
2	456.56	4.8658+01	8.1716+00	2.4238-02	8.1716+00	2.4238-02	1.0723-02	3.0701-01	4.7979+05	6.1830-03	7.1100-01
3	448.40	3.1390+01	5.2423+00	1.5459-02	5.2423+00	1.5459-02	6.8393-03	1.9581-01	3.0602+05	3.9422-03	1.3070+00
4	465.33	4.7085+01	7.9544+00	2.3742-02	7.9544+00	2.3742-02	1.0504-02	3.0073-01	4.6998+05	6.0589-03	1.6410+00
5	473.65	3.6986+01	6.5772+00	1.9749-02	6.5772+00	1.9749-02	8.7373-03	2.5015-01	3.9094+05	5.0418-03	1.7720+00
6	470.23	2.6384+00	4.4066-01	1.3199-03	4.4066-01	1.3199-03	5.8394-04	1.6719-02	2.6128+04	3.3691-04	2.4660+00
7	444.20	1.9455+00	3.1828-01	9.3582-04	3.1828-01	9.3582-04	4.1401-04	1.1853-02	1.8525+04	2.3859-04	3.0090+00
8	433.68	1.8618+00	2.9968-01	8.7464-04	2.9968-01	8.7464-04	3.8695-04	1.1078-02	1.7313+04	2.2289-04	3.3930+00
9	432.59	1.8447+00	2.9661-01	8.6502-04	2.9661-01	8.6502-04	3.8269-04	1.0957-02	1.7123+04	2.2043-04	3.7770+00
10	459.30	2.6275+00	4.3175-01	1.2831-03	4.3175-01	1.2831-03	5.6766-04	1.6252-02	2.5399+04	3.2736-04	5.3230+00
14	446.74	3.8993+01	6.5048+00	1.9160-02	6.5048+00	1.9160-02	8.4765-03	2.4269-01	3.7927+05	4.8855-03	1.0880+00
15	455.72	6.4750+01	1.0868+01	3.2217-02	1.0868+01	3.2217-02	1.4253-02	4.0807-01	6.3773+05	8.2180-03	1.3070+00
16	468.99	7.1903+01	1.2177+01	3.6442-02	1.2177+01	3.6442-02	1.6122-02	4.6158-01	7.2136+05	9.3012-03	1.6410+00
19	451.41	4.7148+00	7.1752-01	2.1205-03	7.1752-01	2.1205-03	9.3810-04	2.6858-02	4.1974+04	5.4079-04	4.1100-01
20	450.41	2.2622+01	3.6062+00	1.0650-02	3.6062+00	1.0650-02	4.7116-03	1.3489-01	2.1081+05	2.7160-03	7.1100-01
21	449.87	4.9869+01	8.0687+00	2.3819-02	8.0687+00	2.3819-02	1.0538-02	3.0170-01	4.7150+05	6.0744-03	1.0880+00
22	451.70	6.6436+01	1.0828+01	3.2006-02	1.0828+01	3.2006-02	1.4160-02	4.0540-01	6.3356+05	8.1628-03	1.3070+00
23	669.59	-1.1792-01	-2.1559-02	-7.5472-05	-2.1559-02	-7.5472-05	-3.3389-05	-9.5596-04	-1.4940+03	-1.9447-05	1.6410+00
24	459.50	2.4649+00	4.0387-01	1.2005-03	4.0387-01	1.2005-03	5.3109-04	1.5205-02	2.3763+04	3.0627-04	3.0090+00
25	452.32	2.0992+00	3.3406-01	9.8787-04	3.3406-01	9.8787-04	4.3704-04	1.2513-02	1.9555+04	2.5195-04	3.3930+00
26	448.08	2.5278+00	4.0356-01	1.1898-03	4.0356-01	1.1898-03	5.2638-04	1.5071-02	2.3552+04	3.0340-04	3.7770+00
27	463.94	4.9860+01	8.0218+00	2.3919-02	8.0218+00	2.3919-02	1.0582-02	3.0297-01	4.7348+05	6.1037-03	7.1100-01
28	451.53	5.2959+01	8.5786+00	2.5354-02	8.5786+00	2.5354-02	1.1217-02	3.2115-01	5.0189+05	6.4663-03	1.0880+00
29	458.76	6.7390+01	1.1136+01	3.3081-02	1.1136+01	3.3081-02	1.4635-02	4.1902-01	6.5485+05	8.4397-03	1.3070+00
30	470.08	7.2982+01	1.2188+01	3.6503-02	1.2188+01	3.6503-02	1.6149-02	4.6236-01	7.2258+05	9.3173-03	1.6410+00
31	467.92	3.3920+01	5.7404+00	1.7166-02	5.7404+00	1.7166-02	7.5942-03	2.1743-01	3.3980+05	4.3811-03	1.7720+00
32	475.46	2.9979+00	5.0245-01	1.5107-03	5.0245-01	1.5107-03	6.6834-04	1.9135-02	2.9904+04	3.8569-04	2.4660+00
33	455.68	2.2681+00	3.7622-01	1.1152-03	3.7622-01	1.1152-03	4.9338-04	1.4126-02	2.2076+04	2.8447-04	3.0090+00
34	446.64	2.0774+00	3.3740-01	9.9375-04	3.3740-01	9.9375-04	4.3964-04	1.2587-02	1.9671+04	2.5339-04	3.3930+00
35	443.18	2.1984+00	3.4124-01	1.0026-03	3.4124-01	1.0026-03	4.4355-04	1.2699-02	1.9846+04	2.5561-04	3.7770+00
36	460.52	6.6435+01	1.0860+01	3.2303-02	1.0860+01	3.2303-02	1.4291-02	4.0916-01	6.3944+05	8.2418-03	1.3070+00
37	478.00	4.5704+00	7.7639-01	2.3386-03	7.7639-01	2.3386-03	1.0346-03	2.9622-02	4.6293+04	5.9713-04	2.4660+00
38	454.03	2.2748+00	3.7134-01	1.0994-03	3.7134-01	1.0994-03	4.8640-04	1.3926-02	2.1764+04	2.8043-04	3.0090+00
39	442.91	1.5465+00	2.4903-01	7.3152-04	2.4903-01	7.3152-04	3.2363-04	9.2657-03	1.4480+04	1.8650-04	3.3930+00
40	440.42	1.5657+00	2.4940-01	7.3135-04	2.4940-01	7.3135-04	3.2355-04	9.2636-03	1.4477+04	1.8643-04	3.7770+00
41	446.32	1.4930+00	2.3370-01	6.8815-04	2.3370-01	6.8815-04	3.0444-04	8.7163-03	1.3622+04	1.7547-04	4.1620+00
43	461.92	2.4966+00	4.1589-01	1.2383-03	4.1589-01	1.2383-03	5.4783-04	1.5685-02	2.4512+04	3.1596-04	5.3230+00
47	457.65	2.4630+01	3.9821+00	1.1820-02	3.9821+00	1.1820-02	5.2294-03	1.4972-01	2.3399+05	3.0155-03	7.1100-01
48	456.61	4.0860+01	6.7218+00	1.9939-02	6.7218+00	1.9939-02	8.8209-03	2.5255-01	3.9468+05	5.0862-03	1.0880+00
49	459.73	6.9007+01	1.1444+01	3.4022-02	1.1444+01	3.4022-02	1.5051-02	4.3093-01	6.7346+05	8.6800-03	1.3070+00
50	479.45	6.4396+01	1.0885+01	3.2823-02	1.0885+01	3.2823-02	1.4521-02	4.1575-01	6.4973+05	8.3814-03	1.6410+00
51	475.51	2.7421+01	4.6641+00	1.4024-02	4.6641+00	1.4024-02	6.2042-03	1.7763-01	2.7760+05	3.5804-03	1.7720+00
52	477.37	2.2774+00	3.8784-01	1.1677-03	3.8784-01	1.1677-03	5.1661-04	1.4791-02	2.3115+04	2.9815-04	2.4660+00
53	450.60	2.0119+00	3.2766-01	9.6778-04	3.2766-01	9.6778-04	4.2815-04	1.2258-02	1.9157+04	2.4681-04	3.0090+00
54	440.04	1.8504+00	2.9557-01	8.6650-04	2.9557-01	8.6650-04	3.8335-04	1.0975-02	1.7152+04	2.2088-04	3.3930+00
55	438.83	1.6925+00	2.6519-01	7.7679-04	2.6519-01	7.7679-04	3.4365-04	9.8390-03	1.5376+04	1.9800-04	3.7770+00
56	451.21	1.4441+00	2.2186-01	6.5557-04	2.2186-01	6.5557-04	2.9003-04	8.3037-03	1.2977+04	1.6719-04	4.1100-01
57	451.05	9.5434+00	1.5267+00	4.5106-03	1.5267+00	4.5106-03	1.9955-03	5.7133-02	8.9288+04	1.1504-03	7.1100-01
58	439.24	9.8836+00	1.6067+00	4.7074-03	1.6067+00	4.7074-03	2.0826-03	5.9626-02	9.3184+04	1.1999-03	1.0880+00
59	438.64	1.6388+01	2.6708+00	7.8219-03	2.6708+00	7.8219-03	3.4605-03	9.9075-02	1.5484+05	1.9938-03	1.3070+00
60	482.03	6.5414+01	1.1011+01	3.3264-02	1.1011+01	3.3264-02	1.4716-02	4.2133-01	6.5845+05	8.4949-03	1.6410+00
61	451.39	1.9642+00	3.1909-01	9.4299-04	3.1909-01	9.4299-04	4.1718-04	1.1944-02	1.8666+04	2.4050-04	3.0090+00
62	439.90	2.3901+00	3.8175-01	1.1190-03	3.8175-01	1.1190-03	4.9507-04	1.4174-02	2.2151+04	2.8525-04	3.3930+00
63	442.18	2.4338+00	3.8223-01	1.1222-03	3.8223-01	1.1222-03	4.9649-04	1.4215-02	2.2215+04	2.8610-04	3.7770+00
64	436.21	5.2540+00	8.7009-01	2.5439-03	8.7009-01	2.5439-03	1.1254-03	3.2222-02	5.0357+04	6.4837-04	1.0880+00
65	434.16	6.7969+00	1.1240+00	3.2815-03	1.1240+00	3.2815-03	1.4518-03	4.1565-02	6.4958+04	8.3629-04	1.3070+00
66	457.78	1.5581+01	2.6188+00	7.7745-03	2.6188+00	7.7745-03	3.4395-03	9.8474-02	1.5390+05	1.9833-03	1.6410+00
69	450.02	3.3148+00	5.5422-01	1.6362-03	5.5422-01	1.6362-03	7.2388-04	2.0725-02	3.2389+04	4.1728-04	4.1100-01
70	440.85	1.9912+00	3.3081-01	9.7038-04	3.3081-01	9.7038-04	4.2930-04	1.2291-02	1.9209+04	2.4737-04	7.1100-01
71	438.35	3.4717+00	5.7410-01	1.6811-03	5.7410-01	1.6811-03	7.4371-04	2.1293-02	3.3276+04	4.2849-04	1.3070+00
72	454.93	5.7293+00	9.6113-01	2.8475-03	9.6113-01	2.8475-03	1.2598-03	3.6068-02	5.6367+04	7.2634-04	1.6410+00
73	451.27	2.3870+00	3.8425-01	1.1354-03	3.8425-01	1.1354-03	5.0233-04	1.4382-02	2.2476+04	2.8958-04	3.7770+00
74	469.67	1.6987+00	2.8108-01	8.4158-04	2.8108-01	8.4158-04	3.7232-04	1.0660-02	1.6659+04	2.1481-04	5.3230+00
77	436.91	2.3013+00	3.7795-01	1.1056-03	3.7795-01	1.1056-03	4.8911-04	1.4003-02	2.1885+04	2.8178-04	3.0090+00
78	431.82	2.0629+00	3.3360-01	9.7236-04	3.3360-01	9.7236-04	4.3018-04	1.2316-02	1.9248+04	2.4778-04	3.3930+00
79	435.54	2.1060+00	3.3535-01	9.8000-04	3.3535-01	9.8000-04	4.3356-04	1.2413-02	1.9399+04	2.4977-04	3.7770+00
80	470.39	2.4743+00	4.2065-01	1.2601-03	4.2065-01	1.2601-03	5.5748-04	1.5961-02	2.4944+04	3.2165-04	2.4660+00
81	438.86	1.7465+00	2.8722-01	8.4132-04	2.8722-01	8.4132-04	3.7221-04	1.0656-02	1.6654+04	2.1445-04	3.0090+00
82	430.82	1.5548+00	2.5201-01	7.3404-04	2.5201-01	7.3404-04	3.2474-04	9.2976-03	1.4530+04	1.8704-04	3.3930+00
83	432.26	1.6504+00	2.6539-01	7.7377-04	2.6539-01	7.7377-04	3.4232-04	9.8009-03	1.5317+04	1.9718-04	3.7770+00
337	528.49	2.6892+01	5.1887+00	1.6224-02	5.1887+00	1.6224-02	7.1774-03	2.0549-01	3.2115+05	4.1519-03	7.1680+00
339	515.61	7.8452+00	1.5336+00	4.7490-03	1.5336+00	4.7490-03	2.1010-03	6.0152-02	9.4006+04	1.2146-03	8.1130+00
340	478.89	1.8104+00	3.3840-01	1.0200-03	3.3840-01	1.0200-03	4.5124-04	1.2919-02	2.0190+04	2.6045-04	8.6180+00
342	531.20	2.5365+01	5.0591+00	1.5851-02	5.0591+00	1.5851-02	7.0125-03	2.0077-01	3.1377+05	4.0570-03	7.1680+00
344	518.49	9.2452+00	1.8200+00	5.6480-03	1.8200+00	5.6480-03	2.4987-03	7.1539-02	1.1180+05	1.4448-03	8.1130+00
347	523.25	1.9858+01	3.8190+00	1.1894-02	3.8190+00	1.1894-02	5.2620-03	1.5065-01	2.3544+05	3.0432-03	7.1680+00
349	513.06	9.3475+00	1.8291+00	5.6533-03	1.8291+00	5.6533-03	2.5010-03	7.1606-02	1.1191+05	1.4458-03	8.1130+00
350	478.05	2.0426+00	3.6022-01	1.0851-03	3.6022-01	1.0851-03	4.8005-04	1.3744-02	2.1479+04	2.7706-04	8.6180+00
352	528.64	1.8862+01	3.5523+00	1.1108-02	3.5523+00	1.1108-02	4.9144-03	1.4070-01	2.1989+05	2.8429-03	7.1680+00
354	520.77	1.1835+01	2.3210+00	7.2150-03	2.3210+00	7.2150-03	3.1920-03	9.1388-02	1.4282+05	1.8458-03	8.1130+00
357	525.43	8.1184+00	1.5217+00	4.7471-03	1.5217+00	4.7471-03	2.1001-03	6.0128-02	9.3969+04	1.2147-03	7.1680+00
359	522.03	8.8181+00	1.6177+00	5.0337-03	1.6177+00	5.0337-03	2.2270-03	6.3759-02	9.9643+04	1.2878-03	8.1130+00
401	462.12	1.8410+01	1.5336+00	4.5669-03	1.5336+00	4.5669-03	2.0204-03	5.7845-02	9.0401+04	1.1653-03	4.5500-01
403	480.53	4.5620+01	3.8016+00	1.1472-02	3.8016+00	1.1472-02	5.0753-03	1.4531-01	2.2709+05	2.9296-03	6.8600-01
404	4157.17	5.1942-03	-2.8485-03	-2.1811-06	-2.8485-03	-2.1811-06	-9.6491-07	-2.7626-05	-4.3174+01	-4.7991-07	8.0100-01
405	509.21	9.3213+01	7.9130+00	2.4387-02	7.9130+00	2.4387-02	1.0789-02	3.0890-01	4.8275+05	6.2357-03	1.0510+00
406	497.97	9.7956+01	8.3056+00	2.5385-02	8.3056+00	2.5385-02	1.1231-02	3.2154-01	5.0251+05	6.4876-03	1.1670+00
407	510.64	1.1475+02	9.9839+00	3.0802-02	9.9839+00	3.0802-02	1.3627-02	3.9015-01	6.0973+05	7.8765-03	1.2830+00
408	475.25	4.0632+01	3.3337+00	1.0022-02	3.3337+00	1.0022-02	4.4337-03	1.2694-01	1.9838+05	2.5586-03	5.1300-01
409	454.95	1.0207+01	8.4116-01	2.4921-03	8.4116-01	2.4921-03	1.1025-03	3.1566-02	4.9331+04	6.3568-04	5.7000-01
410	468.13	2.9157+01	2.3377+00	6.9915-03	2.3377+00	6.9915-03	3.0931-03	8.8557-02	1.3840+05	1.7844-03	6.2800-01
411	455.62	1.1055+01	9.1139-01	2.7015-03	9.1139-01	2.7015-03	1.1952-03	3.4218-02	5.3476+04	6.8911-04	6.8600-01
412	475.50	3.1767+01	2.6384+00	7.9331-03	2.6384+00	7.9331-03	3.5096-03	1.0048-01	1.5704+05	2.0254-03	7.4400-01
413	456.73	1.4960+01	1.2417+00	3.6833-03	1.2417+00	3.6833-03	1.6295-03	4.6654-02	7.2912+04	9.3961-04	8.0100-01
414	478.77	5.1394+01	4.2778+00	1.2893-02	4.2778+00	1.2893-02	5.7037-03	1.6330-01	2.5521+05	3.2926-03	8.5900-01
415	457.76	2.2122+01	1.8265+00	5.4222-03	1.8265+00	5.4222-03	2.3988-03	6.8679-02	1.0733+05	1.3832-03	9.1700-01
416	475.83	3.7275+01	2.8926+00	8.6992-03	2.8926+00	8.6992-03	3.8486-03	1.1019-01	1.7220+05	2.2210-03	5.7000-01
417	493.14	8.0696+01	6.7801+00	2.0649-02	6.7801+00	2.0649-02	9.1354-03	2.6155-01	4.0876+05	5.2761-03	1.0520+00

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31 1 6.96 -5.04 .00 -.00 402 1 2.10 10.13 748.7 1778.2

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8.62111+01 1.56637-02 1.12512+00 4.60873+03 1.52438-05 6.98310-08 8.44031-02 7.72000+00 7.24006-06 7.44601-02

1	446.80	8.9164+00	1.4875+00	4.3821-03	1.4875+00	4.3821-03	1.9387-03	5.5506-02	8.6745+04	1.1172-03	4.1100-01
2	468.80	4.8629+01	8.2344+00	2.4643-02	8.2344+00	2.4643-02	1.0902-02	3.1213-01	4.8781+05	6.2888-03	7.1100-01
3	455.80	3.0049+01	5.0439+00	1.4955-02	5.0439+00	1.4955-02	6.6161-03	1.8942-01	2.9603+05	3.8142-03	1.3070+00
4	476.95	4.6671+01	7.9458+00	2.3919-02	7.9458+00	2.3919-02	1.0582-02	3.0297-01	4.7348+05	6.1063-03	1.6410+00
5	482.94	3.6830+01	6.5897+00	1.9924-02	6.5897+00	1.9924-02	8.8143-03	2.5236-01	3.9439+05	5.0876-03	1.7720+00
6	470.89	2.6556+00	4.4372-01	1.3299-03	4.4372-01	1.3299-03	5.8836-04	1.6845-02	2.6326+04	3.3942-04	2.4660+00
7	444.65	1.8587+00	3.0419-01	8.9478-04	3.0419-01	8.9478-04	3.9586-04	1.1334-02	1.7712+04	2.2810-04	3.0090+00
8	434.10	1.7766+00	2.8605-01	8.3522-04	2.8605-01	8.3522-04	3.6951-04	1.0579-02	1.6533+04	2.1282-04	3.3930+00
9	433.00	1.7590+00	2.8299-01	8.2565-04	2.8299-01	8.2565-04	3.6527-04	1.0458-02	1.6344+04	2.1037-04	3.7770+00
10	459.93	2.5709+00	4.2263-01	1.2568-03	4.2263-01	1.2568-03	5.5599-04	1.5918-02	2.4877+04	3.2059-04	5.3230+00
14	456.53	3.9163+01	6.5803+00	1.9520-02	6.5803+00	1.9520-02	8.6359-03	2.4725-01	3.8641+05	4.9788-03	1.0880+00
15	471.90	6.3634+01	1.0798+01	3.2386-02	1.0798+01	3.2386-02	1.4328-02	4.1021-01	6.4108+05	8.2659-03	1.3070+00
16	486.89	7.0406+01	1.2065+01	3.6584-02	1.2065+01	3.6584-02	1.6185-02	4.6339-01	7.2418+05	9.3436-03	1.6410+00
19	452.50	4.7257+00	7.1971-01	2.1289-03	7.1971-01	2.1289-03	9.4183-04	2.6965-02	4.2141+04	5.4289-04	4.1100-01
20	456.24	2.3484+01	3.7586+00	1.1147-02	3.7586+00	1.1147-02	4.9317-03	1.4120-01	2.2066+05	2.8432-03	7.1100-01
21	462.48	4.9729+01	8.1154+00	2.4177-02	8.1154+00	2.4177-02	1.0696-02	3.0623-01	4.7858+05	6.1681-03	1.0880+00
22	468.39	6.5306+01	1.0765+01	3.2205-02	1.0765+01	3.2205-02	1.4248-02	4.0792-01	6.3750+05	8.2184-03	1.3070+00
23	669.59	2.8573-02	5.2239-03	1.8291-05	5.2239-03	1.8291-05	8.0919-06	2.3167-04	3.6206+02	4.7121-06	1.6410+00
24	460.09	2.4016+00	3.9365-01	1.1707-03	3.9365-01	1.1707-03	5.1793-04	1.4829-02	2.3174+04	2.9865-04	3.0090+00
25	452.89	2.2395+00	3.5652-01	1.0549-03	3.5652-01	1.0549-03	4.6668-04	1.3361-02	2.0881+04	2.6901-04	3.3930+00
26	448.71	2.5507+00	4.0738-01	1.2018-03	4.0738-01	1.2018-03	5.3168-04	1.5222-02	2.3790+04	3.0642-04	3.7770+00
27	476.61	4.9768+01	8.0749+00	2.4302-02	8.0749+00	2.4302-02	1.0751-02	3.0782-01	4.8106+05	6.2039-03	7.1100-01
28	464.99	5.2889+01	8.6457+00	2.5803-02	8.6457+00	2.5803-02	1.1415-02	3.2683-01	5.1077+05	6.5837-03	1.0880+00
29	475.30	6.5341+01	1.0917+01	3.2826-02	1.0917+01	3.2826-02	1.4522-02	4.1578-01	6.4978+05	8.3794-03	1.3070+00
30	488.54	7.1905+01	1.2155+01	3.6901-02	1.2155+01	3.6901-02	1.6325-02	4.6740-01	7.3046+05	9.4252-03	1.6410+00
31	476.73	3.5205+01	5.9928+00	1.8037-02	5.9928+00	1.8037-02	7.9799-03	2.2847-01	3.5705+05	4.6047-03	1.7720+00
32	476.19	3.0062+00	5.0408-01	1.5166-03	5.0408-01	1.5166-03	6.7096-04	1.9210-02	3.0022+04	3.8716-04	2.4660+00
33	456.26	2.3184+00	3.8473-01	1.1411-03	3.8473-01	1.1411-03	5.0482-04	1.4453-02	2.2588+04	2.9104-04	3.0090+00
34	447.13	2.0748+00	3.3710-01	9.9334-04	3.3710-01	9.9334-04	4.3946-04	1.2582-02	1.9663+04	2.5325-04	3.3930+00
35	443.72	2.1735+00	3.3749-01	9.9210-04	3.3749-01	9.9210-04	4.3891-04	1.2566-02	1.9639+04	2.5290-04	3.7770+00
36	476.81	6.3976+01	1.0573+01	3.1824-02	1.0573+01	3.1824-02	1.4079-02	4.0309-01	6.2995+05	8.1241-03	1.3070+00
37	479.15	4.5823+00	7.7901-01	2.3488-03	7.7901-01	2.3488-03	1.0391-03	2.9751-02	4.6494+04	5.9968-04	2.4660+00
38	454.58	2.1927+00	3.5808-01	1.0607-03	3.5808-01	1.0607-03	4.6928-04	1.3436-02	2.0997+04	2.7053-04	3.0090+00
39	443.21	1.7507+00	2.8196-01	8.2856-04	2.8196-01	8.2856-04	3.6656-04	1.0495-02	1.6401+04	2.1121-04	3.3930+00
40	440.79	1.5023+00	2.3937-01	7.0221-04	2.3937-01	7.0221-04	3.1066-04	8.8945-03	1.3900+04	1.7898-04	3.7770+00
41	446.67	1.5075+00	2.3603-01	6.9529-04	2.3603-01	6.9529-04	3.0760-04	8.8068-03	1.3763+04	1.7726-04	4.1620+00
43	462.53	2.4655+00	4.1086-01	1.2241-03	4.1086-01	1.2241-03	5.4153-04	1.5504-02	2.4230+04	3.1229-04	5.3230+00
47	463.84	2.4629+01	3.9986+00	1.1924-02	3.9986+00	1.1924-02	5.2753-03	1.5103-01	2.3604+05	3.0423-03	7.1100-01
48	467.22	4.2587+01	7.0563+00	2.1093-02	7.0563+00	2.1093-02	9.3317-03	2.6717-01	4.1754+05	5.3825-03	1.0880+00
49	477.67	6.9630+01	1.1687+01	3.5199-02	1.1687+01	3.5199-02	1.5572-02	4.4585-01	6.9677+05	8.9863-03	1.3070+00
50	495.58	6.3773+01	1.0894+01	3.3244-02	1.0894+01	3.3244-02	1.4707-02	4.2108-01	6.5807+05	8.4939-03	1.6410+00
51	482.56	2.8515+01	4.8727+00	1.4728-02	4.8727+00	1.4728-02	6.5158-03	1.8655-01	2.9155+05	3.7609-03	1.7720+00
52	477.92	2.1901+00	3.7312-01	1.1240-03	3.7312-01	1.1240-03	4.9726-04	1.4237-02	2.2249+04	2.8695-04	2.4660+00
53	451.11	1.9922+00	3.2456-01	9.5910-04	3.2456-01	9.5910-04	4.2431-04	1.2148-02	1.8985+04	2.4457-04	3.0090+00
54	440.52	1.9216+00	3.0704-01	9.0057-04	3.0704-01	9.0057-04	3.9842-04	1.1407-02	1.7827+04	2.2954-04	3.3930+00
55	439.24	1.7081+00	2.6771-01	7.8449-04	2.6771-01	7.8449-04	3.4706-04	9.9367-03	1.5529+04	1.9994-04	3.7770+00
56	451.47	1.3132+00	2.0179-01	5.9646-04	2.0179-01	5.9646-04	2.6388-04	7.5550-03	1.1807+04	1.5210-04	4.1100-01
57	453.38	9.6384+00	1.5444+00	4.5710-03	1.5444+00	4.5710-03	2.0223-03	5.7898-02	9.0484+04	1.1657-03	7.1100-01
58	441.71	1.0069+01	1.6395+00	4.8128-03	1.6395+00	4.8128-03	2.1292-03	6.0961-02	9.5270+04	1.2268-03	1.0880+00
59	442.94	1.7416+01	2.8469+00	8.3642-03	2.8469+00	8.3642-03	3.7004-03	1.0594-01	1.6557+05	2.1321-03	1.3070+00
60	498.78	6.6816+01	1.1370+01	3.4778-02	1.1370+01	3.4778-02	1.5386-02	4.4051-01	6.8843+05	8.8870-03	1.6410+00
61	451.84	1.8416+00	2.9927-01	8.8480-04	2.9927-01	8.8480-04	3.9144-04	1.1207-02	1.7515+04	2.2563-04	3.0090+00
62	440.49	2.3860+00	3.8124-01	1.1182-03	3.8124-01	1.1182-03	4.9468-04	1.4163-02	2.2134+04	2.8500-04	3.3930+00
63	442.78	2.4104+00	3.7872-01	1.1126-03	3.7872-01	1.1126-03	4.9221-04	1.4092-02	2.2023+04	2.8360-04	3.7770+00
64	437.49	5.1678+00	8.5658-01	2.5070-03	8.5658-01	2.5070-03	1.1091-03	3.1755-02	4.9626+04	6.3890-04	1.0880+00
65	435.86	6.8130+00	1.1280+00	3.2976-03	1.1280+00	3.2976-03	1.4589-03	4.1768-02	6.5276+04	8.4032-04	1.3070+00
66	461.84	1.6474+01	2.7766+00	8.2681-03	2.7766+00	8.2681-03	3.6579-03	1.0473-01	1.6367+05	2.1093-03	1.6410+00
69	450.89	3.1652+00	5.2952-01	1.5645-03	5.2952-01	1.5645-03	6.9215-04	1.9817-02	3.0969+04	3.9894-04	4.1100-01
70	441.31	1.8717+00	3.1106-01	9.1286-04	3.1106-01	9.1286-04	4.0386-04	1.1563-02	1.8070+04	2.3268-04	7.1100-01
71	439.11	3.2930+00	5.4484-01	1.5964-03	5.4484-01	1.5964-03	7.0628-04	2.0221-02	3.1602+04	4.0688-04	1.3070+00
72	456.21	5.4317+00	9.1199-01	2.7048-03	9.1199-01	2.7048-03	1.1966-03	3.4260-02	5.3541+04	6.8986-04	1.6410+00
73	451.80	2.0821+00	3.3529-01	9.9127-04	3.3529-01	9.9127-04	4.3854-04	1.2556-02	1.9622+04	2.5278-04	3.7770+00
74	470.04	1.5070+00	2.4942-01	7.4711-04	2.4942-01	7.4711-04	3.3053-04	9.4632-03	1.4789+04	1.9067-04	5.3230+00
77	437.48	2.3190+00	3.8100-01	1.1151-03	3.8100-01	1.1151-03	4.9332-04	1.4124-02	2.2073+04	2.8418-04	3.0090+00
78	432.31	2.0842+00	3.3716-01	9.8322-04	3.3716-01	9.8322-04	4.3498-04	1.2454-02	1.9463+04	2.5052-04	3.3930+00
79	436.05	2.1138+00	3.3671-01	9.8447-04	3.3671-01	9.8447-04	4.3554-04	1.2470-02	1.9488+04	2.5087-04	3.7770+00
80	471.02	2.5086+00	4.2666-01	1.2789-03	4.2666-01	1.2789-03	5.6579-04	1.6199-02	2.5316+04	3.2640-04	2.4660+00
81	439.29	1.7917+00	2.9474-01	8.6373-04	2.9474-01	8.6373-04	3.8212-04	1.0940-02	1.7098+04	2.2014-04	3.0090+00
82	431.22	1.6223+00	2.6303-01	7.6647-04	2.6303-01	7.6647-04	3.3909-04	9.7083-03	1.5172+04	1.9528-04	3.3930+00
83	432.68	1.7164+00	2.7608-01	8.0529-04	2.7608-01	8.0529-04	3.5627-04	1.0200-02	1.5941+04	2.0518-04	3.7770+00
337	535.21	2.6820+01	5.1961+00	1.6332-02	5.1961+00	1.6332-02	7.2255-03	2.0687-01	3.2330+05	4.1804-03	7.1680+00
339	517.59	7.9377+00	1.5536+00	4.8188-03	1.5536+00	4.8188-03	2.1319-03	6.1037-02	9.5388+04	1.2324-03	8.1130+00
340	479.34	1.8748+00	3.5054-01	1.0571-03	3.5054-01	1.0571-03	4.6766-04	1.3389-02	2.0925+04	2.6989-04	8.6180+00
342	537.58	2.5433+01	5.0926+00	1.6036-02	5.0926+00	1.6036-02	7.0943-03	2.0311-01	3.1743+05	4.1049-03	7.1680+00
344	520.81	9.3226+00	1.8379+00	5.7143-03	1.8379+00	5.7143-03	2.5281-03	7.2380-02	1.1312+05	1.4617-03	8.1130+00
347	528.13	1.9574+01	3.7757+00	1.1804-02	3.7757+00	1.1804-02	5.2223-03	1.4952-01	2.3367+05	3.0204-03	7.1680+00
349	515.32	9.1351+00	1.7901+00	5.5429-03	1.7901+00	5.5429-03	2.4522-03	7.0208-02	1.0972+05	1.4175-03	8.1130+00
350	478.54	1.9434+00	3.4283-01	1.0332-03	3.4283-01	1.0332-03	4.5711-04	1.3087-02	2.0453+04	2.6379-04	8.6180+00
352	533.06	1.8036+01	3.4060+00	1.0688-02	3.4060+00	1.0688-02	4.7284-03	1.3538-01	2.1157+05	2.7354-03	7.1680+00
354	523.21	1.0007+01	1.9656+00	6.1223-03	1.9656+00	6.1223-03	2.7085-03	7.7547-02	1.2119+05	1.5662-03	8.1130+00
357	526.48	5.1844+00	9.7241-01	3.0363-03	9.7241-01	3.0363-03	1.3433-03	3.8459-02	6.0104+04	7.7687-04	7.1680+00
359	523.32	5.4099+00	9.9328-01	3.0941-03	9.9328-01	3.0941-03	1.3689-03	3.9191-02	6.1248+04	7.9154-04	8.1130+00
401	466.74	1.8665+01	1.5597+00	4.6608-03	1.5597+00	4.6608-03	2.0620-03	5.9035-02	9.2260+04	1.1893-03	4.5500-01
403	491.70	4.3607+01	3.6605+00	1.1138-02	3.6605+00	1.1138-02	4.9276-03	1.4108-01	2.2048+05	2.8453-03	6.8600-01
404	4157.18	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	8.0100-01
405	532.15	8.8979+01	7.6627+00	2.4029-02	7.6627+00	2.4029-02	1.0631-02	3.0436-01	4.7566+05	6.1496-03	1.0510+00
406	522.79	9.6733+01	8.3319+00	2.5944-02	8.3319+00	2.5944-02	1.1478-02	3.2862-01	5.1356+05	6.6368-03	1.1670+00
407	538.92	1.0955+02	9.7008+00	3.0577-02	9.7008+00	3.0577-02	1.3527-02	3.8730-01	6.0527+05	7.8278-03	1.2830+00
408	485.22	3.9132+01	3.2318+00	9.7874-03	3.2318+00	9.7874-03	4.3300-03	1.2397-01	1.9374+05	2.4995-03	5.1300-01
409	457.69	1.1490+01	9.4861-01	2.8164-03	9.4861-01	2.8164-03	1.2460-03	3.5673-02	5.5750+04	7.1838-04	5.7000-01
410	475.31	2.9115+01	2.3454+00	7.0522-03	2.3454+00	7.0522-03	3.1199-03	8.9325-02	1.3960+05	1.8002-03	6.2800-01
411	458.63	1.2292+01	1.0155+00	3.0170-03	1.0155+00	3.0170-03	1.3348-03	3.8215-02	5.9722+04	7.6959-04	6.8600-01
412	482.80	3.1716+01	2.6469+00	8.0020-03	2.6469+00	8.0020-03	3.5401-03	1.0136-01	1.5840+05	2.0433-03	7.4400-01
413	460.86	1.6541+01	1.3767+00	4.0966-03	1.3767+00	4.0966-03	1.8124-03	5.1889-02	8.1092+04	1.0451-03	8.0100-01
414	491.81	5.2650+01	4.4199+00	1.3450-02	4.4199+00	1.3450-02	5.9504-03	1.7036-01	2.6625+05	3.4359-03	8.5900-01
415	463.63	2.3812+01	1.9738+00	5.8852-03	1.9738+00	5.8852-03	2.6036-03	7.4544-02	1.1650+05	1.5015-03	9.1700-01
416	484.92	3.6360+01	2.8385+00	8.5945-03	2.8385+00	8.5945-03	3.8023-03	1.0886-01	1.7013+05	2.1949-03	5.7000-01
417	513.64	8.1753+01	6.9596+00	2.1523-02	6.9596+00	2.1523-02	9.5219-03	2.7262-01	4.2605+05	5.5036-03	1.0520+00

[redacted]

31 1 6.96 -5.04 .00 -.00 402 1 2.35 10.13 748.7 1778.5

8.62292+01 1.56632-02 1.12508+00 4.60922+03 1.52401-05 6.98457-08 8.43738-02 7.72000+00 7.24178-06 7.44581-02

1	449.15	9.5247+00	1.5915+00	4.6938-03	1.5915+00	4.6938-03	2.0769-03	5.9454-02	9.2893+04	1.1972-03	4.1100-01
2	481.04	4.8322+01	8.2492+00	2.4892-02	8.2492+00	2.4892-02	1.1014-02	3.1529-01	4.9262+05	6.3578-03	7.1100-01
3	463.25	3.0145+01	5.0856+00	1.5150-02	5.0856+00	1.5150-02	6.7035-03	1.9190-01	2.9983+05	3.8665-03	1.3070+00
4	488.65	4.6435+01	7.9666+00	2.4173-02	7.9666+00	2.4173-02	1.0696-02	3.0618-01	4.7839+05	6.1762-03	1.6410+00
5	492.09	3.6411+01	6.5537+00	1.9936-02	6.5537+00	1.9936-02	8.8210-03	2.5251-01	3.9454+05	5.0944-03	1.7720+00
6	471.57	2.6478+00	4.4262-01	1.3265-03	4.4262-01	1.3265-03	5.8693-04	1.6802-02	2.6252+04	3.3866-04	2.4660+00
7	445.11	1.8665+00	3.0556-01	8.9860-04	3.0556-01	8.9860-04	3.9760-04	1.1382-02	1.7784+04	2.2915-04	3.0090+00
8	434.56	1.8145+00	2.9225-01	8.5312-04	2.9225-01	8.5312-04	3.7748-04	1.0806-02	1.6884+04	2.1746-04	3.3930+00
9	433.45	1.8182+00	2.9261-01	8.5350-04	2.9261-01	8.5350-04	3.7765-04	1.0811-02	1.6891+04	2.1754-04	3.7770+00
10	460.56	2.5262+00	4.1546-01	1.2353-03	4.1546-01	1.2353-03	5.4658-04	1.5647-02	2.4447+04	3.1523-04	3.3230+00
14	466.36	3.9586+01	6.6923+00	1.9981-02	6.6923+00	1.9981-02	8.8410-03	2.5309-01	3.9543+05	5.1002-03	1.0880+00
15	487.65	6.2170+01	1.0659+01	3.2320-02	1.0659+01	3.2320-02	1.4300-02	4.0937-01	6.3962+05	8.2574-03	1.3070+00
16	504.28	6.8538+01	1.1878+01	3.6457-02	1.1878+01	3.6457-02	1.6131-02	4.6178-01	7.2150+05	9.3215-03	1.6410+00
19	453.67	4.9091+00	7.4824-01	2.2139-03	7.4824-01	2.2139-03	9.7956-04	2.8042-02	4.3813+04	5.6477-04	4.1100-01
20	462.24	2.4008+01	3.8582+00	1.1485-02	3.8582+00	1.1485-02	5.0819-03	1.4548-01	2.2730+05	2.9311-03	7.1100-01
21	474.82	4.8930+01	8.0512+00	2.4185-02	8.0512+00	2.4185-02	1.0701-02	3.0634-01	4.7863+05	6.1756-03	1.0880+00
22	484.45	6.3553+01	1.0587+01	3.2027-02	1.0587+01	3.2027-02	1.4171-02	4.0566-01	6.3382+05	8.1814-03	1.3070+00
23	669.63	1.3506-01	2.4694-02	8.6406-05	2.4694-02	8.6406-05	3.8232-05	1.0944-03	1.7100+03	2.2068-05	1.6410+00
24	460.68	2.4847+00	4.0744-01	1.2115-03	4.0744-01	1.2115-03	5.3607-04	1.5346-02	2.3977+04	3.0917-04	3.0090+00
25	453.49	2.3958+00	3.8156-01	1.1288-03	3.8156-01	1.1288-03	4.9946-04	1.4298-02	2.2339+04	2.8796-04	3.3930+00
26	449.35	2.5974+00	4.1503-01	1.2242-03	4.1503-01	1.2242-03	5.4167-04	1.5506-02	2.4228+04	3.1224-04	3.7770+00
27	488.98	4.8830+01	7.9874+00	2.4242-02	7.9874+00	2.4242-02	1.0726-02	3.0705-01	4.7975+05	6.1939-03	7.1100-01
28	478.15	5.2036+01	8.5812+00	2.5840-02	8.5812+00	2.5840-02	1.1433-02	3.2729-01	5.1137+05	6.5990-03	1.0880+00
29	491.45	6.3860+01	1.0784+01	3.2788-02	1.0784+01	3.2788-02	1.4507-02	4.1530-01	6.4888+05	8.3784-03	1.3070+00
30	506.16	6.9862+01	1.1945+01	3.6713-02	1.1945+01	3.6713-02	1.6244-02	4.6502-01	7.2657+05	9.3877-03	1.6410+00
31	485.63	3.5624+01	6.0999+00	1.8468-02	6.0999+00	1.8468-02	8.1714-03	2.3392-01	3.6549+05	4.7180-03	1.7720+00
32	476.96	3.0701+00	5.1506-01	1.5496-03	5.1506-01	1.5496-03	6.8565-04	1.9628-02	3.0667+04	3.9572-04	2.4660+00
33	456.86	2.3797+00	3.9506-01	1.1716-03	3.9506-01	1.1716-03	5.1837-04	1.4839-02	2.3185+04	2.9891-04	3.0090+00
34	447.66	2.1179+00	3.4423-01	1.0142-03	3.4423-01	1.0142-03	4.4873-04	1.2846-02	2.0070+04	2.5865-04	3.3930+00
35	444.26	2.2016+00	3.4198-01	1.0051-03	3.4198-01	1.0051-03	4.4472-04	1.2731-02	1.9891+04	2.5630-04	3.7770+00
36	492.53	6.1743+01	1.0309+01	3.1370-02	1.0309+01	3.1370-02	1.3880-02	3.9734-01	6.2082+05	8.0165-03	1.3070+00
37	480.30	4.6125+00	7.8472-01	2.3666-03	7.8472-01	2.3666-03	1.0472-03	2.9976-02	4.6836+04	6.0445-04	2.4660+00
38	455.14	2.3158+00	3.7833-01	1.1206-03	3.7833-01	1.1206-03	4.9581-04	1.4193-02	2.2176+04	2.8588-04	3.0090+00
39	443.75	2.0821+00	3.3547-01	9.8561-04	3.3547-01	9.8561-04	4.3610-04	1.2484-02	1.9506+04	2.5133-04	3.3930+00
40	441.18	1.5247+00	2.4300-01	7.1264-04	2.4300-01	7.1264-04	3.1532-04	9.0265-03	1.4103+04	1.8170-04	3.7770+00
41	447.07	1.5636+00	2.4488-01	7.2115-04	2.4488-01	7.2115-04	3.1909-04	9.1344-03	1.4272+04	1.8392-04	4.1620+00
43	463.13	2.4462+00	4.0783-01	1.2148-03	4.0783-01	1.2148-03	5.3752-04	1.5388-02	2.4042+04	3.1004-04	5.3230+00
47	469.99	2.4357+01	3.9709+00	1.1887-02	3.9709+00	1.1887-02	5.2595-03	1.5056-01	2.3524+05	3.0346-03	7.1100-01
48	478.07	4.3046+01	7.1840+00	2.1631-02	7.1840+00	2.1631-02	9.5711-03	2.7399-01	4.2809+05	5.5242-03	1.0880+00
49	494.80	6.8003+01	1.1542+01	3.5181-02	1.1542+01	3.5181-02	1.5566-02	4.4561-01	6.9624+05	8.9913-03	1.3070+00
50	511.37	6.2589+01	1.0800+01	3.3325-02	1.0800+01	3.3325-02	1.4745-02	4.2210-01	6.5951+05	8.5233-03	1.6410+00
51	489.80	2.9158+01	5.0062+00	1.5203-02	5.0062+00	1.5203-02	6.7268-03	1.9257-01	3.0087+05	3.8846-03	1.7720+00
52	478.47	2.2405+00	3.8184-01	1.1501-03	3.8184-01	1.1501-03	5.0886-04	1.4567-02	2.2760+04	2.9371-04	2.4660+00
53	451.60	1.7543+00	2.8590-01	8.4465-04	2.8590-01	8.4465-04	3.7373-04	1.0699-02	1.6716+04	2.1546-04	3.0090+00
54	441.02	1.9143+00	3.0599-01	8.9727-04	3.0599-01	8.9727-04	3.9701-04	1.1365-02	1.7757+04	2.2877-04	3.3930+00
55	439.68	1.7927+00	2.8107-01	8.2343-04	2.8107-01	8.2343-04	3.6434-04	1.0430-02	1.6296+04	2.0993-04	3.7770+00
56	451.76	1.3278+00	2.0407-01	6.0297-04	2.0407-01	6.0297-04	2.6679-04	7.6374-03	1.1933+04	1.5381-04	4.1100-01
57	455.83	9.9870+00	1.6029+00	4.7498-03	1.6029+00	4.7498-03	2.1016-03	6.0163-02	9.4000+04	1.2118-03	7.1100-01
58	444.26	1.0212+01	1.6659+00	4.8962-03	1.6659+00	4.8962-03	2.1664-03	6.2017-02	9.6898+04	1.2485-03	1.0880+00
59	447.37	1.7518+01	2.8723+00	8.4605-03	2.8723+00	8.4605-03	3.7435-03	1.0716-01	1.6744+05	2.1577-03	1.3070+00
60	515.53	6.6036+01	1.1358+01	3.5153-02	1.1358+01	3.5153-02	1.5554-02	4.4526-01	6.9570+05	8.9927-03	1.6410+00
61	452.25	1.8665+00	3.0340-01	8.9679-04	3.0340-01	8.9679-04	3.9680-04	1.1359-02	1.7748+04	2.2876-04	3.0090+00
62	441.08	2.3709+00	3.7899-01	1.1114-03	3.7899-01	1.1114-03	4.9175-04	1.4077-02	2.1995+04	2.8337-04	3.3930+00
63	443.38	2.3730+00	3.7300-01	1.0956-03	3.7300-01	1.0956-03	4.8476-04	1.3877-02	2.1682+04	2.7937-04	3.7770+00
64	438.77	5.0956+00	8.4536-01	2.4750-03	8.4536-01	2.4750-03	1.0951-03	3.1349-02	4.8981+04	6.3098-04	1.0880+00
65	437.59	6.8706+00	1.1389+00	3.3317-03	1.1389+00	3.3317-03	1.4742-03	4.2200-02	6.5935+04	8.4933-04	1.3070+00
66	466.06	1.6793+01	2.8384+00	8.4728-03	2.8384+00	8.4728-03	3.7489-03	1.0732-01	1.6768+05	2.1626-03	1.6410+00
69	451.63	2.9875+00	5.0005-01	1.4774-03	5.0005-01	1.4774-03	6.5369-04	1.8713-02	2.9238+04	3.7685-04	4.1100-01
70	441.75	1.8307+00	3.0434-01	8.9289-04	3.0434-01	8.9289-04	3.9508-04	1.1310-02	1.7671+04	2.2766-04	7.1100-01
71	439.96	3.3174+00	5.4920-01	1.6093-03	5.4920-01	1.6093-03	7.1205-04	2.0384-02	3.1848+04	4.1029-04	1.3070+00
72	457.58	5.4696+00	9.1921-01	2.7273-03	9.1921-01	2.7273-03	1.2067-03	3.4545-02	5.3974+04	6.9587-04	1.6410+00
73	452.25	2.0192+00	3.2527-01	9.6141-04	3.2527-01	9.6141-04	4.2539-04	1.2178-02	1.9027+04	2.4525-04	3.7770+00
74	470.42	1.5148+00	2.5078-01	7.5093-04	2.5078-01	7.5093-04	3.3226-04	9.5115-03	1.4861+04	1.9171-04	5.3230+00
77	438.06	2.3330+00	3.8346-01	1.1221-03	3.8346-01	1.1221-03	4.9650-04	1.4213-02	2.2207+04	2.8606-04	3.0090+00
78	432.84	2.0784+00	3.3636-01	9.8069-04	3.3636-01	9.8069-04	4.3392-04	1.2422-02	1.9408+04	2.4995-04	3.3930+00
79	436.57	2.1288+00	3.3923-01	9.9165-04	3.3923-01	9.9165-04	4.3877-04	1.2561-02	1.9625+04	2.5279-04	3.7770+00
80	471.65	2.5569+00	4.3506-01	1.3039-03	4.3506-01	1.3039-03	5.7693-04	1.6516-02	2.5805+04	3.3290-04	2.4660+00
81	439.75	1.8234+00	3.0005-01	8.7907-04	3.0005-01	8.7907-04	3.8896-04	1.1135-02	1.7397+04	2.2412-04	3.0090+00
82	431.62	1.6140+00	2.6176-01	7.6253-04	2.6176-01	7.6253-04	3.3740-04	9.6585-03	1.5091+04	1.9434-04	3.3930+00
83	433.11	1.7112+00	2.7532-01	8.0289-04	2.7532-01	8.0289-04	3.5525-04	1.0170-02	1.5889+04	2.0464-04	3.7770+00
337	541.90	2.6817+01	5.2168+00	1.6471-02	5.2168+00	1.6471-02	7.2878-03	2.0863-01	3.2596+05	4.2186-03	7.1680+00
339	519.59	7.9584+00	1.5596+00	4.8418-03	1.5596+00	4.8418-03	2.1423-03	6.1328-02	9.5820+04	1.2388-03	8.1130+00
340	479.82	1.8286+00	3.4201-01	1.0311-03	3.4201-01	1.0311-03	4.5622-04	1.3060-02	2.0406+04	2.6334-04	8.6180+00
342	543.93	2.5318+01	5.0893+00	1.6093-02	5.0893+00	1.6093-02	7.1207-03	2.0384-01	3.1849+05	4.1222-03	7.1680+00
344	523.14	9.4010+00	1.8560+00	5.7775-03	1.8560+00	5.7775-03	2.5563-03	7.3179-02	1.1434+05	1.4785-03	8.1130+00
347	533.00	1.9525+01	3.7777+00	1.1847-02	3.7777+00	1.1847-02	5.2419-03	1.5006-01	2.3445+05	3.0330-03	7.1680+00
349	517.59	9.1927+00	1.8039+00	5.5919-03	1.8039+00	5.5919-03	2.4743-03	7.0830-02	1.1067+05	1.4306-03	8.1130+00
350	479.60	1.9423+00	3.4276-01	1.0327-03	3.4276-01	1.0327-03	4.5695-04	1.3081-02	2.0438+04	2.6375-04	8.6180+00
352	537.57	1.7844+01	3.3791+00	1.0634-02	3.3791+00	1.0634-02	4.7050-03	1.3469-01	2.1044+05	2.7229-03	7.1680+00
354	525.66	9.8026+00	1.9283+00	6.0137-03	1.9283+00	6.0137-03	2.6609-03	7.6171-02	1.1901+05	1.5391-03	8.1130+00
357	527.73	5.0805+00	9.5366-01	2.9788-03	9.5366-01	2.9788-03	1.3180-03	3.7730-02	5.8951+04	7.6243-04	7.1680+00
359	524.49	4.8743+00	8.9559-01	2.7906-03	8.9559-01	2.7906-03	1.2348-03	3.5347-02	5.5227+04	7.1417-04	8.1130+00
401	471.44	1.8850+01	1.5801+00	4.7349-03	1.5801+00	4.7349-03	2.0950-03	5.9974-02	9.3705+04	1.2088-03	4.5500-01
403	502.33	4.1698+01	3.5243+00	1.0802-02	3.5243+00	1.0802-02	4.7794-03	1.3682-01	2.1377+05	2.7616-03	6.8600-01
404	4157.12	1.0383-02	-5.6938-03	-4.3592-06	-5.6938-03	-4.3592-06	-1.9288-06	-5.5216-05	-8.6271+01	-9.5925-07	8.0100-01
405	553.72	8.4151+01	7.3426+00	2.3393-02	7.3426+00	2.3393-02	1.0351-02	2.9631-01	4.6296+05	5.9948-03	1.0510+00
406	546.64	9.3236+01	8.1492+00	2.5822-02	8.1492+00	2.5822-02	1.1426-02	3.2707-01	5.1103+05	6.6151-03	1.1670+00
407	565.51	1.0378+02	9.3378+00	3.0023-02	9.3378+00	3.0023-02	1.3284-02	3.8028-01	5.9416+05	7.6980-03	1.2830+00
408	494.75	3.7937+01	3.1526+00	9.6087-03	3.1526+00	9.6087-03	4.2515-03	1.2171-01	1.9016+05	2.4557-03	5.1300-01
409	460.70	1.2285+01	1.0163+00	3.0221-03	1.0163+00	3.0221-03	1.3372-03	3.8279-02	5.9808+04	7.7119-04	5.7000-01
410	482.64	2.9572+01	2.3939+00	7.2319-03	2.3939+00	7.2319-03	3.1999-03	9.1602-02	1.4312+05	1.8473-03	6.2800-01
411	461.80	1.3167+01	1.0901+00	3.2442-03	1.0901+00	3.2442-03	1.4354-03	4.1092-02	6.4203+04	8.2791-04	6.8600-01
412	491.08	3.3580+01	2.8176+00	8.5647-03	2.8176+00	8.5647-03	3.7896-03	1.0848-01	1.6950+05	2.1885-03	7.4400-01
413	465.14	1.7557+01	1.4655+00	4.3717-03	1.4655+00	4.3717-03	1.9343-03	5.5374-02	8.6518+04	1.1158-03	8.0100-01
414	505.18	5.3546+01	4.5339+00	1.3925-02	4.5339+00	1.3925-02	6.1616-03	1.7638-01	2.7559+05	3.5606-03	8.5900-01
415	469.72	2.4758+01	2.0607+00	6.1674-03	2.0607+00	6.1674-03	2.7289-03	7.8118-02	1.2205+05	1.5744-03	9.1700-01
416	493.93	3.6189+01	2.8418+00	8.6563-03	2.8418+00	8.6563-03	3.8301-03	1.0964-01	1.7131+05	2.2122-03	5.7000-01
417	534.20	8.1568+01	7.0334+00	2.2076-02	7.0334+00	2.2076-02	9.7681-03	2.7963-01	4.3690+05	5.6523-03	1.0520+00

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31 1 6.96 -5.04 .00 -.00 402 1 2.60 10.13 748.7 1778.4

8.62202+01 1.56634-02 1.12510+00 4.60898+03 1.52419-05 6.98383-08 8.43884-02 7.72000+00 7.24092-06 7.44591-02

1	451.59	1.0144+01	1.6978+00	5.0181-03	1.6978+00	5.0181-03	2.2202-03	6.3561-02	9.9322+04	1.2797-03	4.1100-01
2	493.01	4.7389+01	8.1533+00	2.4829-02	8.1533+00	2.4829-02	1.0985-02	3.1450-01	4.9144+05	6.3432-03	7.1100-01
3	470.86	3.0314+01	5.1403+00	1.5404-02	5.1403+00	1.5404-02	6.8152-03	1.9511-01	3.0488+05	3.9314-03	1.3070+00
4	500.19	4.6001+01	7.9512+00	2.4342-02	7.9512+00	2.4342-02	1.0770-02	3.0832-01	4.8179+05	6.2207-03	1.6410+00
5	501.15	3.6039+01	6.5249+00	1.9990-02	6.5249+00	1.9990-02	8.8442-03	2.5320-01	3.9565+05	5.1087-03	1.7720+00
6	472.21	2.5886+00	4.3291-01	1.2985-03	4.3291-01	1.2985-03	5.7452-04	1.6448-02	2.5702+04	3.3144-04	2.4660+00
7	445.58	1.8862+00	3.0889-01	9.0910-04	3.0889-01	9.0910-04	4.0222-04	1.1515-02	1.7993+04	2.3176-04	3.0090+00
8	435.01	1.7969+00	2.8950-01	8.4570-04	2.8950-01	8.4570-04	3.7417-04	1.0712-02	1.6739+04	2.1550-04	3.3930+00
9	433.91	1.8707+00	3.0115-01	8.7907-04	3.0115-01	8.7907-04	3.8893-04	1.1135-02	1.7399+04	2.2400-04	3.7770+00
10	461.19	2.5740+00	4.2350-01	1.2603-03	4.2350-01	1.2603-03	5.5760-04	1.5963-02	2.4945+04	3.2152-04	5.3230+00
14	476.34	3.9911+01	6.7922+00	2.0435-02	6.7922+00	2.0435-02	9.0411-03	2.5883-01	4.0446+05	5.2167-03	1.0880+00
15	502.98	6.0661+01	1.0504+01	3.2224-02	1.0504+01	3.2224-02	1.4257-02	4.0816-01	6.3780+05	8.2361-03	1.3070+00
16	521.15	6.6732+01	1.1689+01	3.6347-02	1.1689+01	3.6347-02	1.6081-02	4.6038-01	7.1940+05	9.2975-03	1.6410+00
19	455.00	5.2390+00	7.9924-01	2.3680-03	7.9924-01	2.3680-03	1.0477-03	2.9994-02	4.6869+04	6.0395-04	4.1100-01
20	468.29	2.4131+01	3.8937+00	1.1647-02	3.8937+00	1.1647-02	5.1529-03	1.4752-01	2.3052+05	2.9721-03	7.1100-01
21	486.58	4.7928+01	7.9496+00	2.4102-02	7.9496+00	2.4102-02	1.0664-02	3.0529-01	4.7705+05	6.1559-03	1.0880+00
22	500.14	6.2047+01	1.0442+01	3.1967-02	1.0442+01	3.1967-02	1.4143-02	4.0491-01	6.3272+05	8.1694-03	1.3070+00
23	669.64	5.6626-02	1.0353-02	3.6244-05	1.0353-02	3.6244-05	1.6036-05	4.5908-04	7.1738+02	9.3376-06	1.6410+00
24	461.31	2.5340+00	4.1571-01	1.2372-03	4.1571-01	1.2372-03	5.4739-04	1.5671-02	2.4488+04	3.1563-04	3.0090+00
25	454.06	2.4052+00	3.8320-01	1.1346-03	3.8320-01	1.1346-03	5.0199-04	1.4371-02	2.2457+04	2.8936-04	3.3930+00
26	450.01	2.6000+00	4.1563-01	1.2271-03	4.1563-01	1.2271-03	5.4291-04	1.5543-02	2.4287+04	3.1289-04	3.7770+00
27	501.05	4.7793+01	7.8789+00	2.4136-02	7.8789+00	2.4136-02	1.0679-02	3.0571-01	4.7771+05	6.1683-03	7.1100-01
28	491.00	5.0907+01	8.4659+00	2.5743-02	8.4659+00	2.5743-02	1.1390-02	3.2607-01	5.0953+05	6.5762-03	1.0880+00
29	507.21	6.2563+01	1.0672+01	3.2842-02	1.0672+01	3.2842-02	1.4531-02	4.1599-01	6.5004+05	8.3957-03	1.3070+00
30	523.42	6.8334+01	1.1811+01	3.6790-02	1.1811+01	3.6790-02	1.6277-02	4.6600-01	7.2817+05	9.4118-03	1.6410+00
31	494.57	3.5783+01	6.1628+00	1.8789-02	6.1628+00	1.8789-02	8.3130-03	2.3799-01	3.7189+05	4.8004-03	1.7720+00
32	477.73	3.1003+00	5.2038-01	1.5672-03	5.2038-01	1.5672-03	6.9337-04	1.9850-02	3.1018+04	4.0010-04	2.4660+00
33	457.44	2.3564+00	3.9134-01	1.1615-03	3.9134-01	1.1615-03	5.1388-04	1.4712-02	2.2989+04	2.9626-04	3.0090+00
34	448.19	2.0888+00	3.3962-01	1.0014-03	3.3962-01	1.0014-03	4.4305-04	1.2684-02	1.9820+04	2.5532-04	3.3930+00
35	444.80	2.2281+00	3.4622-01	1.0184-03	3.4622-01	1.0184-03	4.5058-04	1.2899-02	2.0157+04	2.5962-04	3.7770+00
36	507.67	5.9988+01	1.0114+01	3.1135-02	1.0114+01	3.1135-02	1.3775-02	3.9436-01	6.1624+05	7.9593-03	1.3070+00
37	481.45	4.5283+00	7.7099-01	2.3282-03	7.7099-01	2.3282-03	1.0301-03	2.9489-02	4.6081+04	5.9448-04	2.4660+00
38	455.71	2.3751+00	3.8815-01	1.1506-03	3.8815-01	1.1506-03	5.0907-04	1.4574-02	2.2774+04	2.9347-04	3.0090+00
39	444.36	2.0073+00	3.2355-01	9.5141-04	3.2355-01	9.5141-04	4.2094-04	1.2051-02	1.8831+04	2.4254-04	3.3930+00
40	441.55	1.5740+00	2.5093-01	7.3640-04	2.5093-01	7.3640-04	3.2581-04	9.3274-03	1.4575+04	1.8770-04	3.7770+00
41	447.45	1.5849+00	2.4828-01	7.3168-04	2.4828-01	7.3168-04	3.2372-04	9.2677-03	1.4482+04	1.8655-04	4.1620+00
43	463.75	2.4987+00	4.1675-01	1.2425-03	4.1675-01	1.2425-03	5.4973-04	1.5738-02	2.4592+04	3.1701-04	5.3230+00
47	476.06	2.3902+01	3.9124+00	1.1768-02	3.9124+00	1.1768-02	5.2068-03	1.4906-01	2.3293+05	3.0042-03	7.1100-01
48	488.85	4.2510+01	7.1448+00	2.1692-02	7.1448+00	2.1692-02	9.5973-03	2.7476-01	4.2934+05	5.5407-03	1.0880+00
49	511.64	6.6762+01	1.1454+01	3.5366-02	1.1454+01	3.5366-02	1.5647-02	4.4796-01	6.9998+05	9.0426-03	1.3070+00
50	526.88	6.1534+01	1.0722+01	3.3484-02	1.0722+01	3.3484-02	1.4815-02	4.2412-01	6.6274+05	8.5674-03	1.6410+00
51	497.16	2.9605+01	5.1073+00	1.5601-02	5.1073+00	1.5601-02	6.9024-03	1.9761-01	3.0878+05	3.9864-03	1.7720+00
52	479.03	2.3127+00	3.9429-01	1.1886-03	3.9429-01	1.1886-03	5.2586-04	1.5055-02	2.3525+04	3.0346-04	2.4660+00
53	451.99	1.6618+00	2.7090-01	8.0091-04	2.7090-01	8.0091-04	3.5435-04	1.0145-02	1.5852+04	2.0424-04	3.0090+00
54	441.47	1.8956+00	3.0309-01	8.8944-04	3.0309-01	8.8944-04	3.9352-04	1.1266-02	1.7604+04	2.2671-04	3.3930+00
55	440.12	1.7584+00	2.7578-01	8.0852-04	2.7578-01	8.0852-04	3.5772-04	1.0241-02	1.6003+04	2.0608-04	3.7770+00
56	452.14	1.8722+00	2.8781-01	8.5101-04	2.8781-01	8.5101-04	3.7652-04	1.0779-02	1.6844+04	2.1702-04	4.1100-01
57	458.41	1.0289+01	1.6543+00	4.9133-03	1.6543+00	4.9133-03	2.1738-03	6.2233-02	9.7247+04	1.2533-03	7.1100-01
58	446.84	1.0304+01	1.6839+00	4.9602-03	1.6839+00	4.9602-03	2.1946-03	6.2828-02	9.8176+04	1.2646-03	1.0880+00
59	451.75	1.7687+01	2.9087+00	8.5980-03	2.9087+00	8.5980-03	3.8041-03	1.0890-01	1.7018+05	2.1926-03	1.3070+00
60	532.07	6.4871+01	1.1273+01	3.5343-02	1.1273+01	3.5343-02	1.5637-02	4.4767-01	6.9954+05	9.0453-03	1.6410+00
61	452.74	2.1107+00	3.4321-01	1.0152-03	3.4321-01	1.0152-03	4.4917-04	1.2859-02	2.0094+04	2.5890-04	3.0090+00
62	441.67	2.3610+00	3.7757-01	1.1082-03	3.7757-01	1.1082-03	4.9029-04	1.4036-02	2.1933+04	2.8247-04	3.3930+00
63	443.97	2.3901+00	3.7585-01	1.1049-03	3.7585-01	1.1049-03	4.8884-04	1.3995-02	2.1869+04	2.8166-04	3.7770+00
64	440.05	5.1101+00	8.4853-01	2.4876-03	8.4853-01	2.4876-03	1.1006-03	3.1508-02	4.9236+04	6.3403-04	1.0880+00
65	439.29	6.7158+00	1.1146+00	3.2657-03	1.1146+00	3.2657-03	1.4449-03	4.1365-02	6.4638+04	8.3234-04	1.3070+00
66	470.30	1.6864+01	2.8585+00	8.5626-03	2.8585+00	8.5626-03	3.7884-03	1.0846-01	1.6948+05	2.1853-03	1.6410+00
69	452.32	3.0042+00	5.0307-01	1.4877-03	5.0307-01	1.4877-03	6.5819-04	1.8843-02	2.9445+04	3.7937-04	4.1100-01
70	442.21	1.9252+00	3.2015-01	9.4000-04	3.2015-01	9.4000-04	4.1589-04	1.1906-02	1.8605+04	2.3961-04	7.1100-01
71	440.79	3.3304+00	5.5167-01	1.6181-03	5.5167-01	1.6181-03	7.1592-04	2.0496-02	3.2027+04	4.1244-04	1.3070+00
72	458.94	5.4488+00	9.1656-01	2.7232-03	9.1656-01	2.7232-03	1.2049-03	3.4494-02	5.3900+04	6.9467-04	1.6410+00
73	452.75	2.1839+00	3.5191-01	1.0410-03	3.5191-01	1.0410-03	4.6057-04	1.3185-02	2.0604+04	2.6547-04	3.7770+00
74	470.79	1.5725+00	2.6039-01	7.8026-04	2.6039-01	7.8026-04	3.4521-04	9.8830-03	1.5443+04	1.9914-04	5.3230+00
77	438.63	2.3273+00	3.8267-01	1.1207-03	3.8267-01	1.1207-03	4.9585-04	1.4196-02	2.2182+04	2.8563-04	3.0090+00
78	433.38	2.0961+00	3.3935-01	9.9019-04	3.3935-01	9.9019-04	4.3810-04	1.2542-02	1.9599+04	2.5231-04	3.3930+00
79	437.11	2.1797+00	3.4747-01	1.0166-03	3.4747-01	1.0166-03	4.4976-04	1.2876-02	2.0120+04	2.5907-04	3.7770+00
80	472.28	2.5330+00	4.3117-01	1.2934-03	4.3117-01	1.2934-03	5.7224-04	1.6383-02	2.5600+04	3.3012-04	2.4660+00
81	440.20	1.8130+00	2.9843-01	8.7499-04	2.9843-01	8.7499-04	3.8713-04	1.1083-02	1.7318+04	2.2302-04	3.0090+00
82	432.02	1.6010+00	2.5973-01	7.5715-04	2.5973-01	7.5715-04	3.3499-04	9.5903-03	1.4986+04	1.9291-04	3.3930+00
83	433.54	1.7439+00	2.8067-01	8.1908-04	2.8067-01	8.1908-04	3.6239-04	1.0375-02	1.6212+04	2.0871-04	3.7770+00
337	548.59	2.6669+01	5.2091+00	1.6538-02	5.2091+00	1.6538-02	7.3172-03	2.0948-01	3.2734+05	4.2358-03	7.1680+00
339	521.58	8.0561+00	1.5807+00	4.9169-03	1.5807+00	4.9169-03	2.1754-03	6.2279-02	9.7318+04	1.2578-03	8.1130+00
340	480.28	1.8545+00	3.4697-01	1.0469-03	3.4697-01	1.0469-03	4.6317-04	1.3260-02	2.0720+04	2.6729-04	8.6180+00
342	550.25	2.5129+01	5.0706+00	1.6119-02	5.0706+00	1.6119-02	7.1318-03	2.0417-01	3.1904+05	4.1288-03	7.1680+00
344	525.50	9.3870+00	1.8560+00	5.7901-03	1.8560+00	5.7901-03	2.5618-03	7.3340-02	1.1460+05	1.4814-03	8.1130+00
347	537.88	1.9542+01	3.7923+00	1.1942-02	3.7923+00	1.1942-02	5.2837-03	1.5126-01	2.3637+05	3.0571-03	7.1680+00
349	519.91	9.2930+00	1.8263+00	5.6735-03	1.8263+00	5.6735-03	2.5102-03	7.1862-02	1.1229+05	1.4512-03	8.1130+00
350	479.49	1.9808+00	3.4965-01	1.0543-03	3.4965-01	1.0543-03	4.6648-04	1.3355-02	2.0868+04	2.6920-04	8.6180+00
352	541.98	1.7757+01	3.3717+00	1.0651-02	3.3717+00	1.0651-02	4.7124-03	1.3491-01	2.1081+05	2.7271-03	7.1680+00
354	528.10	9.7771+00	1.9262+00	6.0210-03	1.9262+00	6.0210-03	2.6639-03	7.6264-02	1.1917+05	1.5406-03	8.1130+00
357	529.02	5.0171+00	9.4251-01	2.9482-03	9.4251-01	2.9482-03	1.3044-03	3.7342-02	5.8352+04	7.5440-04	7.1680+00
359	525.71	4.7574+00	8.7478-01	2.7295-03	8.7478-01	2.7295-03	1.2076-03	3.4572-02	5.4024+04	6.9834-04	8.1130+00
401	476.20	1.8939+01	1.5925+00	4.7907-03	1.5925+00	4.7907-03	2.1196-03	6.0681-02	9.4821+04	1.2230-03	4.5500-01
403	512.52	3.9957+01	3.3991+00	1.0502-02	3.3991+00	1.0502-02	4.6463-03	1.3302-01	2.0786+05	2.6852-03	6.8600-01
404	4157.06	1.5571-02	-8.5390-03	-6.5383-06	-8.5390-03	-6.5383-06	-2.8928-06	-8.2816-05	-1.2941+02	-1.4386-06	8.0100-01
405	574.17	7.9954+01	7.0613+00	2.2868-02	7.0613+00	2.2868-02	1.0118-02	2.8965-01	4.5261+05	5.8639-03	1.0510+00
406	569.47	8.9217+01	7.9048+00	2.5506-02	7.9048+00	2.5506-02	1.1285-02	3.2306-01	5.0482+05	6.5389-03	1.1670+00
407	590.71	9.8994+01	9.0384+00	2.9655-02	9.0384+00	2.9655-02	1.3120-02	3.7562-01	5.8695+05	7.6103-03	1.2830+00
408	504.15	3.7191+01	3.1094+00	9.5469-03	3.1094+00	9.5469-03	4.2239-03	1.2092-01	1.8896+05	2.4402-03	5.1300-01
409	463.86	1.2763+01	1.0581+00	3.1549-03	1.0581+00	3.1549-03	1.3958-03	3.9960-02	6.2443+04	8.0494-04	5.7000-01
410	490.11	2.9996+01	2.4401+00	7.4150-03	2.4401+00	7.4150-03	3.2807-03	9.3921-02	1.4676+05	1.8941-03	6.2800-01
411	465.20	1.3945+01	1.1572+00	3.4535-03	1.1572+00	3.4535-03	1.5280-03	4.3744-02	6.8355+04	8.8120-04	6.8600-01
412	499.77	3.4666+01	2.9251+00	8.9523-03	2.9251+00	8.9523-03	3.9608-03	1.1339-01	1.7719+05	2.2878-03	7.4400-01
413	469.56	1.8177+01	1.5217+00	4.5558-03	1.5217+00	4.5558-03	2.0157-03	5.7706-02	9.0172+04	1.1627-03	8.0100-01
414	518.66	5.3707+01	4.5865+00	1.4235-02	4.5865+00	1.4235-02	6.2982-03	1.8031-01	2.8175+05	3.6410-03	8.5900-01
415	476.01	2.5644+01	2.1434+00	6.4469-03	2.1434+00	6.4469-03	2.8523-03	8.1659-02	1.2760+05	1.6458-03	9.1700-01
416	503.00	3.6014+01	2.8446+00	8.7267-03	2.8446+00	8.7267-03	3.8610-03	1.1053-01	1.7272+05	2.2304-03	5.7000-01
417	554.56	8.0574+01	7.0340+00	2.2435-02	7.0340+00	2.2435-02	9.9261-03	2.8417-01	4.4405+05	5.7477-03	1.0520+00

[redacted]

31 1 6.96 -5.04 .00 -.00 402 1 3.10 10.13 748.7 1778.5

8.62292+01 1.56632-02 1.12508+00 4.60922+03 1.52401-05 6.98457-08 8.43738-02 7.72000+00 7.24178-06 7.44581-02

1	457.05	1.1994+01	2.0150+00	5.9788-03	2.0150+00	5.9788-03	2.6454-03	7.5730-02	1.1832+05	1.5248-03	4.1100-01
2	516.23	4.5766+01	7.9917+00	2.4759-02	7.9917+00	2.4759-02	1.0955-02	3.1361-01	4.8999+05	6.3311-03	7.1100-01
3	486.07	3.0534+01	5.2298+00	1.5846-02	5.2298+00	1.5846-02	7.0112-03	2.0071-01	3.1359+05	4.0464-03	1.3070+00
4	523.02	4.5512+01	7.9813+00	2.4853-02	7.9813+00	2.4853-02	1.0997-02	3.1480-01	4.9185+05	6.3570-03	1.6410+00
5	518.96	3.5297+01	6.4631+00	2.0064-02	6.4631+00	2.0064-02	8.8778-03	2.5414-01	3.9708+05	5.1312-03	1.7720+00
6	473.54	2.7133+00	4.5416-01	1.3636-03	4.5416-01	1.3636-03	6.0334-04	1.7272-02	2.6986+04	3.4801-04	2.4660+00
7	446.53	1.8894+00	3.0960-01	9.1180-04	3.0960-01	9.1180-04	4.0344-04	1.1549-02	1.8045+04	2.3243-04	3.0090+00
8	435.89	1.8421+00	2.9697-01	8.6805-04	2.9697-01	8.6805-04	3.8408-04	1.0995-02	1.7179+04	2.2118-04	3.3930+00
9	434.85	1.8758+00	3.0219-01	8.8268-04	3.0219-01	8.8268-04	3.9056-04	1.1180-02	1.7468+04	2.2490-04	3.7770+00
10	462.45	2.5725+00	4.2361-01	1.2618-03	4.2361-01	1.2618-03	5.5829-04	1.5982-02	2.4971+04	3.2187-04	5.3230+00
14	496.33	3.9890+01	6.8779+00	2.0996-02	6.8779+00	2.0996-02	9.2902-03	2.6595-01	4.1553+05	5.3641-03	1.0880+00
15	532.68	5.8483+01	1.0317+01	3.2362-02	1.0317+01	3.2362-02	1.4319-02	4.0991-01	6.4046+05	8.2814-03	1.3070+00
16	553.74	6.3996+01	1.1436+01	3.6451-02	1.1436+01	3.6451-02	1.6128-02	4.6170-01	7.2138+05	9.3368-03	1.6410+00
19	457.61	5.1647+00	7.8931-01	2.3429-03	7.8931-01	2.3429-03	1.0367-03	2.9676-02	4.6367+04	5.9754-04	4.1100-01
20	480.41	2.4582+01	3.9985+00	1.2065-02	3.9985+00	1.2065-02	5.3385-03	1.5282-01	2.3878+05	3.0803-03	7.1100-01
21	510.34	4.5865+01	7.7227+00	2.3821-02	7.7227+00	2.3821-02	1.0540-02	3.0172-01	4.7142+05	6.0895-03	1.0880+00
22	530.48	5.9973+01	1.0288+01	3.2216-02	1.0288+01	3.2216-02	1.4255-02	4.0806-01	6.3757+05	8.2432-03	1.3070+00
23	669.71	1.2208-01	2.2320-02	7.8146-05	2.2320-02	7.8146-05	3.4577-05	9.8983-04	1.5465+03	2.0130-05	1.6410+00
24	462.61	2.5543+00	4.1939-01	1.2494-03	4.1939-01	1.2494-03	5.5280-04	1.5825-02	2.4725+04	3.1871-04	3.0090+00
25	455.30	2.4530+00	3.9115-01	1.1591-03	3.9115-01	1.1591-03	5.1288-04	1.4682-02	2.2940+04	2.9560-04	3.3930+00
26	451.33	2.3262+00	3.7221-01	1.0999-03	3.7221-01	1.0999-03	4.8667-04	1.3932-02	2.1768+04	2.8044-04	3.7770+00
27	524.49	4.6016+01	7.6992+00	2.4001-02	7.6992+00	2.4001-02	1.0620-02	3.0400-01	4.7499+05	6.1395-03	7.1100-01
28	515.99	4.9189+01	8.3120+00	2.5747-02	8.3120+00	2.5747-02	1.1392-02	3.2612-01	5.0954+05	6.5835-03	1.0880+00
29	537.95	6.0688+01	1.0553+01	3.3233-02	1.0553+01	3.3233-02	1.4705-02	4.2094-01	6.5769+05	8.5063-03	1.3070+00
30	556.85	6.5726+01	1.1595+01	3.7046-02	1.1595+01	3.7046-02	1.6392-02	4.6924-01	7.3316+05	9.4906-03	1.6410+00
31	512.46	3.5690+01	6.2175+00	1.9209-02	6.2175+00	1.9209-02	8.4991-03	2.4330-01	3.8014+05	4.9109-03	1.7720+00
32	479.27	3.0478+00	5.1209-01	1.5439-03	5.1209-01	1.5439-03	6.8314-04	1.9556-02	3.0555+04	3.9414-04	2.4660+00
33	458.63	2.3626+00	3.9269-01	1.1665-03	3.9269-01	1.1665-03	5.1613-04	1.4775-02	2.3085+04	2.9751-04	3.0090+00
34	449.23	2.0914+00	3.4029-01	1.0041-03	3.4029-01	1.0041-03	4.4428-04	1.2718-02	1.9871+04	2.5599-04	3.3930+00
35	445.92	2.1792+00	3.3889-01	9.9764-04	3.3889-01	9.9764-04	4.4142-04	1.2636-02	1.9744+04	2.5431-04	3.7770+00
36	537.01	5.7847+01	9.9333+00	3.1260-02	9.9333+00	3.1260-02	1.3831-02	3.9595-01	6.1864+05	8.0009-03	1.3070+00
37	483.68	4.4675+00	7.6176-01	2.3040-03	7.6176-01	2.3040-03	1.0195-03	2.9184-02	4.5597+04	5.8830-04	2.4660+00
38	456.90	2.4208+00	3.9594-01	1.1747-03	3.9594-01	1.1747-03	5.1976-04	1.4879-02	2.3248+04	2.9959-04	3.0090+00
39	445.10	1.5055+00	2.4279-01	7.1430-04	2.4279-01	7.1430-04	3.1605-04	9.0476-03	1.4136+04	1.8208-04	3.3930+00
40	442.33	1.6239+00	2.5902-01	7.6056-04	2.5902-01	7.6056-04	3.3652-04	9.6336-03	1.5052+04	1.9385-04	3.7770+00
41	448.23	1.5922+00	2.4956-01	7.3584-04	2.4956-01	7.3584-04	3.2559-04	9.3204-03	1.4563+04	1.8759-04	4.1620+00
43	465.01	2.5018+00	4.1762-01	1.2462-03	4.1762-01	1.2462-03	5.5141-04	1.5785-02	2.4663+04	3.1794-04	5.3230+00
47	487.66	2.2621+01	3.7310+00	1.1318-02	3.7310+00	1.1318-02	5.0077-03	1.4335-01	2.2398+05	2.8903-03	7.1100-01
48	509.62	4.0662+01	6.9261+00	2.1353-02	6.9261+00	2.1353-02	9.4478-03	2.7046-01	4.2257+05	5.4583-03	1.0880+00
49	544.44	6.4838+01	1.1353+01	3.5930-02	1.1353+01	3.5930-02	1.5898-02	4.5510-01	7.1106+05	9.1994-03	1.3070+00
50	557.14	5.9699+01	1.0596+01	3.3862-02	1.0596+01	3.3862-02	1.4983-02	4.2891-01	6.7014+05	8.6750-03	1.6410+00
51	512.08	2.9931+01	5.2129+00	1.6100-02	5.2129+00	1.6100-02	7.1238-03	2.0393-01	3.1863+05	4.1162-03	1.7720+00
52	480.24	2.4244+00	4.1366-01	1.2480-03	4.1366-01	1.2480-03	5.5222-04	1.5808-02	2.4699+04	3.1862-04	2.4660+00
53	452.88	2.0779+00	3.5894-01	1.0827-03	3.5894-01	1.0827-03	4.9366-04	1.2700-02	1.9844+04	2.5567-04	3.0090+00
54	442.45	2.0270+00	3.2433-01	9.5242-04	3.2433-01	9.5242-04	4.2141-04	1.2064-02	1.8849+04	2.4274-04	3.3930+00
55	441.02	1.8364+00	2.8818-01	8.4541-04	2.8818-01	8.4541-04	3.7407-04	1.0708-02	1.6731+04	2.1546-04	3.7770+00
56	453.19	1.8296+00	2.8146-01	8.3284-04	2.8146-01	8.3284-04	3.6851-04	1.0549-02	1.6482+04	2.1237-04	4.1100-01
57	463.56	1.0419+01	1.6810+00	5.0111-03	1.6810+00	5.0111-03	2.2172-03	6.3472-02	9.9171+04	1.2784-03	7.1100-01
58	451.88	1.0068+01	1.6510+00	4.8807-03	1.6510+00	4.8807-03	2.1595-03	6.1820-02	9.6590+04	1.2445-03	1.0880+00
59	460.65	1.8079+01	2.9912+00	8.8982-03	2.9912+00	8.8982-03	3.9372-03	1.1271-01	1.7610+05	2.2697-03	1.3070+00
60	563.33	6.0901+01	1.0785+01	3.4633-02	1.0785+01	3.4633-02	1.5324-02	4.3867-01	6.8539+05	8.8750-03	1.6410+00
61	453.91	2.3397+00	3.8076-01	1.1273-03	3.8076-01	1.1273-03	4.9877-04	1.4278-02	2.2309+04	2.8745-04	3.0090+00
62	442.86	2.4291+00	3.8877-01	1.1420-03	3.8877-01	1.1420-03	5.0529-04	1.4465-02	2.2600+04	2.9107-04	3.3930+00
63	445.14	2.3761+00	3.7394-01	1.1002-03	3.7394-01	1.1002-03	4.8680-04	1.3935-02	2.1773+04	2.8044-04	3.7770+00
64	442.58	5.0712+00	8.4354-01	2.4773-03	8.4354-01	2.4773-03	1.0961-03	3.1379-02	4.9027+04	6.3141-04	1.0880+00
65	442.61	6.6727+00	1.1100+00	3.2599-03	1.1100+00	3.2599-03	1.4424-03	4.1291-02	6.4514+04	8.3086-04	1.3070+00
66	478.69	1.6692+01	2.8452+00	8.5745-03	2.8452+00	8.5745-03	3.7939-03	1.0861-01	1.6969+05	2.1889-03	1.6410+00
69	453.98	3.5496+00	5.9508-01	1.7618-03	5.9508-01	1.7618-03	7.7956-04	2.2316-02	3.4867+04	4.4927-04	4.1100-01
70	443.20	1.9865+00	3.3057-01	9.7128-04	3.3057-01	9.7128-04	4.2976-04	1.2303-02	1.9222+04	2.4756-04	7.1100-01
71	442.45	3.3444+00	5.5463-01	1.6287-03	5.5463-01	1.6287-03	7.2066-04	2.0630-02	3.2233+04	4.1512-04	1.3070+00
72	461.62	5.2343+00	8.8207-01	2.6258-03	8.8207-01	2.6258-03	1.1618-03	3.3259-02	5.1965+04	6.6980-04	1.6410+00
73	453.99	2.5210+00	4.0658-01	1.2038-03	4.0658-01	1.2038-03	5.3263-04	1.5247-02	2.3823+04	3.0696-04	3.7770+00
74	471.62	1.5984+00	2.6483-01	7.9405-04	2.6483-01	7.9405-04	3.5134-04	1.0058-02	1.5715+04	2.0264-04	5.3230+00
77	439.81	2.3501+00	3.8675-01	1.1336-03	3.8675-01	1.1336-03	5.0159-04	1.4359-02	2.2435+04	2.8889-04	3.0090+00
78	434.39	2.0743+00	3.3605-01	9.8127-04	3.3605-01	9.8127-04	4.3418-04	1.2429-02	1.9420+04	2.5001-04	3.3930+00
79	438.20	2.1023+00	3.3539-01	9.8196-04	3.3539-01	9.8196-04	4.3448-04	1.2438-02	1.9433+04	2.5023-04	3.7770+00
80	473.55	2.6031+00	4.4348-01	1.3316-03	4.4348-01	1.3316-03	5.8917-04	1.6866-02	2.6352+04	3.3984-04	2.4660+00
81	441.08	1.8410+00	3.0324-01	8.8963-04	3.0324-01	8.8963-04	3.9363-04	1.1268-02	1.7606+04	2.2673-04	3.0090+00
82	432.82	1.6421+00	2.6653-01	7.7743-04	2.6653-01	7.7743-04	3.4399-04	9.8471-03	1.5386+04	1.9806-04	3.3930+00
83	434.39	1.6774+00	2.7013-01	7.8879-04	2.7013-01	7.8879-04	3.4901-04	9.9910-03	1.5610+04	2.0097-04	3.7770+00
337	561.91	2.6561+01	5.2295+00	1.6775-02	5.2295+00	1.6775-02	7.4222-03	2.1247-01	3.3198+05	4.2984-03	7.1680+00
339	525.64	8.2005+00	1.6131+00	5.0330-03	1.6131+00	5.0330-03	2.2269-03	6.3750-02	9.9605+04	1.2875-03	8.1130+00
340	481.22	1.8712+00	3.5030-01	1.0576-03	3.5030-01	1.0576-03	4.6796-04	1.3396-02	2.0931+04	2.7002-04	8.6180+00
342	562.72	2.4929+01	5.0679+00	1.6266-02	5.0679+00	1.6266-02	7.1973-03	2.0604-01	3.2192+05	4.1683-03	7.1680+00
344	530.22	9.4083+00	1.8657+00	5.8410-03	1.8657+00	5.8410-03	2.5845-03	7.3984-02	1.1560+05	1.4945-03	8.1130+00
347	547.70	1.9549+01	3.8163+00	1.2108-02	3.8163+00	1.2108-02	5.3575-03	1.5337-01	2.3962+05	3.1006-03	7.1680+00
349	524.57	9.2125+00	1.8157+00	5.6605-03	1.8157+00	5.6605-03	2.5046-03	7.1698-02	1.1202+05	1.4480-03	8.1130+00
350	480.49	1.9990+00	3.5309-01	1.0655-03	3.5309-01	1.0655-03	4.7145-04	1.3496-02	2.1087+04	2.7202-04	8.6180+00
352	550.85	1.7663+01	3.3718+00	1.0724-02	3.3718+00	1.0724-02	4.7449-03	1.3583-01	2.1223+05	2.7465-03	7.1680+00
354	532.97	9.7132+00	1.9194+00	6.0217-03	1.9194+00	6.0217-03	2.6644-03	7.6273-02	1.1917+05	1.5410-03	8.1130+00
357	531.47	4.8462+00	9.1179-01	2.8573-03	9.1179-01	2.8573-03	1.2643-03	3.6192-02	5.6548+04	7.3115-04	7.1680+00
359	528.02	4.6307+00	8.5270-01	2.6652-03	8.5270-01	2.6652-03	1.1793-03	3.3759-02	5.2746+04	6.8188-04	8.1130+00
401	485.63	1.8809+01	1.5915+00	4.8204-03	1.5915+00	4.8204-03	2.1329-03	6.1057-02	9.5398+04	1.2309-03	4.5500-01
403	531.65	3.6790+01	3.1673+00	9.9269-03	3.1673+00	9.9269-03	4.3923-03	1.2574-01	1.9646+05	2.5402-03	6.8600-01
404	4157.09	5.1791-03	-2.8401-03	-2.1747-06	-2.8401-03	-2.1747-06	-9.6222-07	-2.7545-05	-4.3038+01	-4.7848-07	8.0100-01
405	612.20	7.2943+01	6.5835+00	2.1976-02	6.5835+00	2.1976-02	9.7236-03	2.7835-01	4.3491+05	5.6446-03	1.0510+00
406	612.08	8.1713+01	7.4187+00	2.4761-02	7.4187+00	2.4761-02	1.0956-02	3.1363-01	4.9003+05	6.3601-03	1.1670+00
407	638.14	9.1032+01	8.5334+00	2.9096-02	8.5334+00	2.9096-02	1.2874-02	3.6853-01	5.7581+05	7.4829-03	1.2830+00
408	522.36	3.5591+01	3.0100+00	9.3681-03	3.0100+00	9.3681-03	4.1451-03	1.1866-01	1.8540+05	2.3962-03	5.1300-01
409	470.48	1.3749+01	1.1449+00	3.4301-03	1.1449+00	3.4301-03	1.5177-03	4.3447-02	6.7883+04	8.7531-04	5.7000-01
410	505.25	3.0381+01	2.4956+00	7.6687-03	2.4956+00	7.6687-03	3.3931-03	9.7134-02	1.5177+05	1.9600-03	6.2800-01
411	472.55	1.5263+01	1.2728+00	3.8188-03	1.2728+00	3.8188-03	1.6897-03	4.8370-02	7.5576+04	9.7459-04	6.8600-01
412	517.14	3.4841+01	2.9725+00	9.2153-03	2.9725+00	9.2153-03	4.0775-03	1.1672-01	1.8237+05	2.3565-03	7.4400-01
413	479.08	1.9728+01	1.6621+00	5.0105-03	1.6621+00	5.0105-03	2.2170-03	6.3464-02	9.9159+04	1.2791-03	8.0100-01
414	545.43	5.2935+01	4.5958+00	1.4556-02	4.5958+00	1.4556-02	6.4406-03	1.8437-01	2.8807+05	3.7270-03	8.5900-01
415	489.25	2.7071+01	2.2823+00	6.9313-03	2.2823+00	6.9313-03	3.0669-03	8.7795-02	1.3717+05	1.7702-03	9.1700-01
416	520.85	3.5206+01	2.8123+00	8.7431-03	2.8123+00	8.7431-03	3.8685-03	1.1074-01	1.7303+05	2.2361-03	5.7000-01
417	594.11	7.7138+01	6.8915+00	2.2672-02	6.8915+00	2.2672-02	1.0032-02	2.8717-01	4.4869+05	5.8184-03	1.0520+00

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32 1 1.94 -10.06 .00 -.00 402 1 1.85 10.13 750.7 1785.2

8.65795+01 1.56938-02 1.12733+00 4.61866+03 1.52081-05 7.01294-08 8.40277-02 7.72000+00 7.27505-06 7.44186-02

1	454.46	2.2970+01	3.8522+00	1.1341-02	3.8522+00	1.1341-02	5.0183-03	1.4396-01	2.2342+05	2.8947-03	4.1100-01
2	467.72	5.4297+01	9.1876+00	2.7305-02	9.1876+00	2.7305-02	1.2082-02	3.4659-01	5.3790+05	6.9735-03	7.1100-01
3	455.85	4.6647+01	7.8302+00	2.3075-02	7.8302+00	2.3075-02	1.0211-02	2.9290-01	4.5457+05	5.8902-03	1.3070+00
4	470.77	7.4461+01	1.2625+01	3.7603-02	1.2625+01	3.7603-02	1.6639-02	4.7732-01	7.4078+05	9.6050-03	1.6410+00
5	462.07	4.8705+01	8.5943+00	2.5439-02	8.5943+00	2.5439-02	1.1256-02	3.2291-01	5.0114+05	6.4953-03	1.7720+00
6	451.18	3.0057+00	4.9558-01	1.4556-03	4.9558-01	1.4556-03	6.4411-04	1.8477-02	2.8676+04	3.7149-04	2.4660+00
7	429.32	2.4021+00	3.8894-01	1.1250-03	3.8894-01	1.1250-03	4.9782-04	1.4281-02	2.2163+04	2.8685-04	3.0090+00
8	422.48	2.7288+00	4.3578-01	1.2546-03	4.3578-01	1.2546-03	5.5515-04	1.5925-02	2.4716+04	3.1979-04	3.3930+00
9	424.45	3.4504+00	5.5178-01	1.5907-03	5.5178-01	1.5907-03	7.0388-04	2.0192-02	3.1337+04	4.0549-04	3.7770+00
10	455.14	4.2057+00	6.8913-01	2.0298-03	6.8913-01	2.0298-03	8.9816-04	2.5765-02	3.9986+04	5.1811-04	5.3230+00
14	452.33	4.3786+01	7.3324+00	2.1555-02	7.3324+00	2.1555-02	9.5377-03	2.7360-01	4.2462+05	5.5012-03	1.0880+00
15	450.17	5.1179+01	8.5577+00	2.5118-02	8.5577+00	2.5118-02	1.1115-02	3.1884-01	4.9482+05	6.4101-03	1.3070+00
16	457.55	5.8834+01	9.8872+00	2.9172-02	9.8872+00	2.9172-02	1.2908-02	3.7030-01	5.7469+05	7.4471-03	1.6410+00
19	457.77	1.4597+01	2.2311+00	6.5839-03	2.2311+00	6.5839-03	2.9133-03	8.3573-02	1.2970+05	1.6808-03	4.1100-01
20	450.55	1.5043+01	2.3982+00	7.0410-03	2.3982+00	7.0410-03	3.1156-03	8.9375-02	1.3871+05	1.7969-03	7.1100-01
21	451.09	4.4573+01	7.2180+00	2.1199-02	7.2180+00	2.1199-02	9.3806-03	2.6910-01	4.1763+05	5.4103-03	1.0880+00
22	443.87	4.4492+01	7.2124+00	2.1076-02	7.2124+00	2.1076-02	9.3259-03	2.6753-01	4.1519+05	5.3770-03	1.3070+00
23	687.43	2.9350-01	5.4153-02	1.9113-04	5.4153-02	1.9113-04	8.4573-05	2.4261-03	3.7652+03	4.9330-05	1.6410+00
24	446.01	2.3896+00	3.8795-01	1.1353-03	3.8795-01	1.1353-03	5.0238-04	1.4412-02	2.2366+04	2.8968-04	3.0090+00
25	440.10	2.0410+00	3.2208-01	9.3867-04	3.2208-01	9.3867-04	4.1535-04	1.1915-02	1.8492+04	2.3944-04	3.3930+00
26	437.81	2.1439+00	3.3985-01	9.8888-04	3.3985-01	9.8888-04	4.3757-04	1.2552-02	1.9481+04	2.5222-04	3.7770+00
27	447.62	1.0318+01	1.6417+00	4.8099-03	1.6417+00	4.8099-03	2.1283-03	6.1055-02	9.4754+04	1.2273-03	7.1100-01
28	441.49	2.5765+01	4.1447+00	1.2091-02	4.1447+00	1.2091-02	5.3503-03	1.5348-01	2.3820+05	3.0845-03	1.0880+00
29	445.77	4.3972+01	7.2019+00	2.1073-02	7.2019+00	2.1073-02	9.3247-03	2.6749-01	4.1514+05	5.3768-03	1.3070+00
30	449.56	4.9683+01	8.1827+00	2.4007-02	8.1827+00	2.4007-02	1.0623-02	3.0473-01	4.7293+05	6.1264-03	1.6410+00
31	449.83	2.9489+01	4.9297+00	1.4466-02	4.9297+00	1.4466-02	6.4011-03	1.8362-01	2.8498+05	3.6916-03	1.7720+00
32	458.21	5.1434+00	8.5211-01	2.5153-03	8.5211-01	2.5153-03	1.1130-03	3.1928-02	4.9552+04	6.4213-04	2.4660+00
33	441.80	3.5236+00	5.7895-01	1.6893-03	5.7895-01	1.6893-03	7.4751-04	2.1443-02	3.3279+04	4.3095-04	3.0090+00
34	434.12	2.3174+00	3.7313-01	1.0829-03	3.7313-01	1.0829-03	4.7919-04	1.3746-02	2.1334+04	2.7617-04	3.3930+00
35	433.58	1.8478+00	2.8490-01	8.2656-04	2.8490-01	8.2656-04	3.6575-04	1.0492-02	1.6283+04	2.1078-04	3.7770+00
36	447.19	4.5936+01	7.4412+00	2.1795-02	7.4412+00	2.1795-02	9.6441-03	2.7665-01	4.2936+05	5.5613-03	1.3070+00
37	458.05	4.4603+00	7.4763-01	2.2067-03	7.4763-01	2.2067-03	9.7643-04	2.8010-02	4.3471+04	5.6333-04	2.4660+00
38	439.19	4.1610+00	6.7235-01	1.9583-03	6.7235-01	1.9583-03	8.6652-04	2.4858-02	3.8578+04	4.9951-04	3.0090+00
39	430.78	3.5169+00	5.6154-01	1.6260-03	5.6154-01	1.6260-03	7.1948-04	2.0639-02	3.2032+04	4.1459-04	3.3930+00
40	432.28	2.1455+00	3.3982-01	9.8500-04	3.3982-01	9.8500-04	4.3585-04	1.2503-02	1.9404+04	2.5117-04	3.7770+00
41	440.94	1.3636+00	2.1266-01	6.2014-04	2.1266-01	6.2014-04	2.7441-04	7.8718-03	1.2217+04	1.5819-04	4.1620+00
43	456.17	1.6130+00	2.6765-01	7.8892-04	2.6765-01	7.8892-04	3.4909-04	1.0014-02	1.5542+04	2.0138-04	5.3230+00
47	460.21	3.3891+01	5.4890+00	1.6226-02	5.4890+00	1.6226-02	7.1797-03	2.0596-01	3.1964+05	4.1426-03	7.1100-01
48	453.90	3.9415+01	6.4722+00	1.9047-02	6.4722+00	1.9047-02	8.4281-03	2.4177-01	3.7522+05	4.8615-03	1.0880+00
49	442.50	3.6036+01	5.9062+00	1.7242-02	5.9062+00	1.7242-02	7.6296-03	2.1887-01	3.3967+05	4.3987-03	1.3070+00
50	455.80	4.4800+01	7.4539+00	2.1966-02	7.4539+00	2.1966-02	9.7196-03	2.7882-01	4.3272+05	5.6069-03	1.6410+00
51	455.29	2.6938+01	4.5201+00	1.3315-02	4.5201+00	1.3315-02	5.8919-03	1.6902-01	2.6231+05	3.3988-03	1.7720+00
52	457.83	2.8727+00	4.8287-01	1.4250-03	4.8287-01	1.4250-03	6.3054-04	1.8088-02	2.8072+04	3.6377-04	2.4660+00
53	434.29	3.4052+00	5.4834-01	1.5917-03	5.4834-01	1.5917-03	7.0429-04	2.0204-02	3.1355+04	4.0590-04	3.0090+00
54	428.96	3.2073+00	5.0836-01	1.4701-03	5.0836-01	1.4701-03	6.5052-04	1.8661-02	2.8961+04	3.7482-04	3.3930+00
55	432.29	2.6810+00	4.1818-01	1.2121-03	4.1818-01	1.2121-03	5.3636-04	1.5386-02	2.3879+04	3.0909-04	3.7770+00
56	450.15	7.5964+00	1.1662+00	3.4229-03	1.1662+00	3.4229-03	1.5146-03	4.3448-02	6.7430+04	8.7351-04	4.1100-01
57	455.97	2.4450+01	3.9246+00	1.1566-02	3.9246+00	1.1566-02	5.1181-03	1.4682-01	2.2786+05	2.9525-03	7.1100-01
58	442.49	2.2477+01	3.6620+00	1.0691-02	3.6620+00	1.0691-02	4.7306-03	1.3570-01	2.1060+05	2.7273-03	1.0880+00
59	438.61	2.4940+01	4.0645+00	1.1833-02	4.0645+00	1.1833-02	5.2362-03	1.5021-01	2.3311+05	3.0183-03	1.3070+00
60	446.66	2.1316+01	3.5038+00	1.0259-02	3.5038+00	1.0259-02	4.5393-03	1.3022-01	2.0209+05	2.6176-03	1.6410+00
61	434.66	1.6769+00	2.6929-01	7.8185-04	2.6929-01	7.8185-04	3.4596-04	9.9244-03	1.5402+04	1.9939-04	3.0090+00
62	429.62	2.2686+00	3.5974-01	1.0408-03	3.5974-01	1.0408-03	4.6055-04	1.3212-02	2.0504+04	2.6538-04	3.3930+00
63	436.67	2.2104+00	3.4583-01	1.0055-03	3.4583-01	1.0055-03	4.4492-04	1.2763-02	1.9808+04	2.5644-04	3.7770+00
64	437.28	1.3979+01	2.3167+00	6.7385-03	2.3167+00	6.7385-03	2.9817-03	8.5536-02	1.3275+05	1.7187-03	1.0880+00
65	432.65	1.2616+01	2.0840+00	6.0422-03	2.0840+00	6.0422-03	2.6736-03	7.6697-02	1.1903+05	1.5408-03	1.3070+00
66	444.86	2.0575+01	3.4278+00	1.0023-02	3.4278+00	1.0023-02	4.4353-03	1.2723-01	1.9746+05	2.5573-03	1.6410+00
69	449.07	8.5720+00	1.4322+00	4.2006-03	1.4322+00	4.2006-03	1.8587-03	5.3320-02	8.2751+04	1.0719-03	4.1100-01
70	437.29	2.1221+00	3.5169-01	1.0230-03	3.5169-01	1.0230-03	4.5266-04	1.2985-02	2.0152+04	2.6091-04	7.1100-01
71	434.51	7.3029+00	1.2044+00	3.4965-03	1.2044+00	3.4965-03	1.5472-03	4.4383-02	6.8881+04	8.9169-04	1.3070+00
72	440.38	7.7449+00	1.2863+00	3.7497-03	1.2863+00	3.7497-03	1.6592-03	4.7597-02	7.3868+04	9.5650-04	1.6410+00
73	449.17	3.9803+00	6.3981-01	1.8766-03	6.3981-01	1.8766-03	8.3038-04	2.3821-02	3.6969+04	4.7888-04	3.7770+00
74	464.82	3.1631+00	5.2170-01	1.5472-03	5.2170-01	1.5472-03	6.8464-04	1.9640-02	3.0480+04	3.9510-04	5.3230+00
77	418.80	3.7611-01	6.0986-02	1.7513-04	6.0986-02	1.7513-04	7.7494-05	2.2230-03	3.4500+03	4.4632-05	3.0090+00
78	418.40	1.8047+00	2.8909-01	8.2993-04	2.8909-01	8.2993-04	3.6724-04	1.0535-02	1.6350+04	2.1150-04	3.3930+00
79	427.43	3.1470+00	4.9827-01	1.4394-03	4.9827-01	1.4394-03	6.3694-04	1.8272-02	2.8357+04	3.6698-04	3.7770+00
80	450.43	3.2639+00	5.4745-01	1.6072-03	5.4745-01	1.6072-03	7.1115-04	2.0400-02	3.1661+04	4.1014-04	2.4660+00
81	422.28	2.2821+00	3.7095-01	1.0678-03	3.7095-01	1.0678-03	4.7250-04	1.3554-02	2.1036+04	2.7217-04	3.0090+00
82	418.84	1.7294+00	2.7794-01	7.9817-04	2.7794-01	7.9817-04	3.5318-04	1.0132-02	1.5724+04	2.0341-04	3.3930+00
83	423.81	3.2416+00	5.1815-01	1.4931-03	5.1815-01	1.4931-03	6.6069-04	1.8953-02	2.9414+04	3.8060-04	3.7770+00
337	496.97	2.6687+01	5.0475+00	1.5321-02	5.0475+00	1.5321-02	6.7795-03	1.9448-01	3.0182+05	3.9181-03	7.1680+00
339	482.13	1.5285+01	2.9243+00	8.7812-03	2.9243+00	8.7812-03	3.8856-03	1.1146-01	1.7299+05	2.2441-03	8.1130+00
340	466.63	4.5081+00	8.3580-01	2.4820-03	8.3580-01	2.4820-03	1.0983-03	3.1506-02	4.8895+04	6.3387-04	8.6180+00
342	491.67	2.3835+01	4.6365+00	1.4019-02	4.6365+00	1.4019-02	6.2035-03	1.7796-01	2.7618+05	3.5843-03	7.1680+00
344	478.69	1.2439+01	2.3868+00	7.1494-03	2.3868+00	7.1494-03	3.1636-03	9.0751-02	1.4084+05	1.8268-03	8.1130+00
347	482.21	9.5283+00	1.7849+00	5.3602-03	1.7849+00	5.3602-03	2.3719-03	6.8040-02	1.0560+05	1.3699-03	7.1680+00
349	473.35	9.3132+00	1.7761+00	5.2997-03	1.7761+00	5.2997-03	2.3451-03	6.7272-02	1.0440+05	1.3539-03	8.1130+00
350	463.88	1.8478+00	3.2280-01	9.5672-04	3.2280-01	9.5672-04	4.2334-04	1.2144-02	1.8847+04	2.4430-04	8.6180+00
352	480.91	5.0940+00	9.3056-01	2.7919-03	9.3056-01	2.7919-03	1.2354-03	3.5439-02	5.5000+04	7.1346-04	7.1680+00
354	476.29	5.5673+00	1.0610+00	3.1727-03	1.0610+00	3.1727-03	1.4039-03	4.0273-02	6.2501+04	8.1060-04	8.1130+00
357	483.59	8.5330+00	1.5573+00	4.6812-03	1.5573+00	4.6812-03	2.0714-03	5.9420-02	9.2218+04	1.1964-03	7.1680+00
359	476.55	5.2493+00	9.3528-01	2.7972-03	9.3528-01	2.7972-03	1.2377-03	3.5507-02	5.5105+04	7.1468-04	8.1130+00
401	471.34	3.6605+01	3.0682+00	9.1420-03	3.0682+00	9.1420-03	4.0453-03	1.1604-01	1.8010+05	2.3352-03	4.5500-01
403	457.53	1.5183+01	1.2459+00	3.6760-03	1.2459+00	3.6760-03	1.6266-03	4.6661-02	7.2416+04	9.3841-04	6.8600-01
404	4157.17	5.1942-03	-2.8485-03	-2.1777-06	-2.8485-03	-2.1777-06	-9.6360-07	-2.7642-05	-4.2900+01	-4.7935-07	8.0100-01
405	477.51	5.2121+01	4.3347+00	1.2973-02	4.3347+00	1.2973-02	5.7405-03	1.6468-01	2.5557+05	3.3147-03	1.0510+00
406	484.46	7.8977+01	6.6378+00	1.9966-02	6.6378+00	1.9966-02	8.8348-03	2.5344-01	3.9333+05	5.1031-03	1.1670+00
407	492.69	9.3108+01	8.0081+00	2.4232-02	8.0081+00	2.4232-02	1.0723-02	3.0759-01	4.7737+05	6.1957-03	1.2830+00
408	464.30	2.4634+01	2.0064+00	5.9483-03	2.0064+00	5.9483-03	2.6321-03	7.5505-02	1.1718+05	1.5189-03	5.1300-01
409	448.32	8.0151+00	6.5751-01	1.9274-03	6.5751-01	1.9274-03	8.5285-04	2.4465-02	3.7969+04	4.9182-04	5.7000-01
410	464.21	2.5554+01	2.0434+00	6.0575-03	2.0434+00	6.0575-03	2.6804-03	7.6892-02	1.1933+05	1.5468-03	6.2800-01
411	449.82	1.0605+01	8.7085-01	2.5554-03	8.7085-01	2.5554-03	1.1308-03	3.2437-02	5.0341+04	6.5212-04	6.8600-01
412	469.25	1.9967+01	1.6515+00	4.9134-03	1.6515+00	4.9134-03	2.1741-03	6.2369-02	9.6793+04	1.2549-03	7.4400-01
413	450.74	1.3371+01	1.1053+00	3.2454-03	1.1053+00	3.2454-03	1.4361-03	4.1196-02	6.3935+04	8.2825-04	8.0100-01
414	466.58	3.4368+01	2.8375+00	8.4261-03	2.8375+00	8.4261-03	3.7285-03	1.0696-01	1.6599+05	2.1519-03	8.5900-01
415	448.11	1.3874+01	1.1380+00	3.3354-03	1.1380+00	3.3354-03	1.4759-03	4.2338-02	6.5706+04	8.5110-04	9.1700-01
416	474.68	3.6140+01	2.8024+00	8.3701-03	2.8024+00	8.3701-03	3.7037-03	1.0625-01	1.6489+05	2.1383-03	5.7000-01
417	485.94	6.9524+01	5.8141+00	1.7507-02	5.8141+00	1.7507-02	7.7468-03	2.2223-01	3.4489+05	4.4749-03	1.0520+00

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32 1 1.91 -10.09 .00 -.00 402 1 2.10 10.13 750.7 1784.9

8.65614+01 1.56943-02 1.12736+00 4.61817+03 1.52117-05 7.01147-08 8.40569-02 7.72000+00 7.27333-06 7.44206-02

1	460.71	2.5349+01	4.2692+00	1.2637-02	4.2692+00	1.2637-02	5.5910-03	1.6041-01	2.4901+05	3.2240-03	4.1100-01
2	481.30	5.3049+01	9.0577+00	2.7210-02	9.0577+00	2.7210-02	1.2039-02	3.4539-01	5.3616+05	6.9483-03	7.1100-01
3	467.37	4.6133+01	7.8044+00	2.3212-02	7.8044+00	2.3212-02	1.0270-02	2.9464-01	4.5737+05	5.9236-03	1.3070+00
4	489.60	7.4089+01	1.2719+01	3.8440-02	1.2719+01	3.8440-02	1.7007-02	4.8794-01	7.5744+05	9.8196-03	1.6410+00
5	474.87	5.0410+01	8.9717+00	2.6827-02	8.9717+00	2.6827-02	1.1869-02	3.4053-01	5.2861+05	6.8486-03	1.7720+00
6	451.86	2.7912+00	4.6042-01	1.3544-03	4.6042-01	1.3544-03	5.9921-04	1.7192-02	2.6687+04	3.4540-04	2.4660+00
7	429.88	2.3361+00	3.7840-01	1.0961-03	3.7840-01	1.0961-03	4.8494-04	1.3913-02	2.1598+04	2.7926-04	3.0090+00
8	423.12	2.7647+00	4.4171-01	1.2735-03	4.4171-01	1.2735-03	5.6342-04	1.6165-02	2.5093+04	3.2437-04	3.3930+00
9	425.25	3.3948+00	5.4320-01	1.5684-03	5.4320-01	1.5684-03	6.9390-04	1.9908-02	3.0904+04	3.9952-04	3.7770+00
10	456.14	4.0587+00	6.6549-01	1.9635-03	6.6549-01	1.9635-03	8.6871-04	2.4924-02	3.8690+04	5.0084-04	5.3230+00
14	463.01	4.2538+01	7.1751+00	2.1274-02	7.1751+00	2.1274-02	9.4121-03	2.7004-01	4.1918+05	5.4280-03	1.0880+00
15	463.04	5.2430+01	8.8439+00	2.6222-02	8.8439+00	2.6222-02	1.1601-02	3.3285-01	5.1669+05	6.6906-03	1.3070+00
16	472.04	5.7963+01	9.8363+00	2.9353-02	9.8363+00	2.9353-02	1.2987-02	3.7259-01	5.7838+05	7.4924-03	1.6410+00
19	461.57	1.5139+01	2.3199+00	6.8713-03	2.3199+00	6.8713-03	3.0401-03	8.7220-02	1.3539+05	1.7531-03	4.1100-01
20	454.26	1.4928+01	2.3861+00	7.0307-03	2.3861+00	7.0307-03	3.1106-03	8.9244-02	1.3854+05	1.7932-03	7.1100-01
21	461.84	4.2346+01	6.9076+00	2.0463-02	6.9076+00	2.0463-02	9.0537-03	2.5975-01	4.0322+05	5.2210-03	1.0880+00
22	454.68	4.5188+01	7.3798+00	2.1751-02	7.3798+00	2.1751-02	9.6235-03	2.7610-01	4.2860+05	5.5479-03	1.3070+00
23	687.49	1.8493-01	3.4122-02	1.2058-04	3.4122-02	1.2058-04	5.3349-05	1.5306-03	2.3760+03	3.1094-05	1.6410+00
24	446.58	2.3787+00	3.8633-01	1.1322-03	3.8633-01	1.1322-03	5.0091-04	1.4371-02	2.2309+04	2.8867-04	3.0090+00
25	440.61	1.9808+00	3.1268-01	9.1250-04	3.1268-01	9.1250-04	4.0372-04	1.1583-02	1.7980+04	2.3260-04	3.3930+00
26	438.32	2.0919+00	3.3173-01	9.6655-04	3.3173-01	9.6655-04	4.2763-04	1.2269-02	1.9045+04	2.4635-04	3.7770+00
27	449.88	9.2457+00	1.4734+00	4.3279-03	1.4734+00	4.3279-03	1.9148-03	5.4936-02	8.5279+04	1.1036-03	7.1100-01
28	447.47	2.4075+01	3.8889+00	1.1404-02	3.8889+00	1.1404-02	5.0454-03	1.4476-01	2.2471+05	2.9078-03	1.0880+00
29	456.90	4.5355+01	7.4851+00	2.2097-02	7.4851+00	2.2097-02	9.7762-03	2.8048-01	4.3540+05	5.6365-03	1.3070+00
30	462.00	4.9324+01	8.1926+00	2.4273-02	8.1926+00	2.4273-02	1.0739-02	3.0811-01	4.7828+05	6.1930-03	1.6410+00
31	457.24	2.9665+01	4.9843+00	1.4718-02	4.9843+00	1.4718-02	6.5115-03	1.8682-01	2.9000+05	3.7543-03	1.7720+00
32	459.50	5.1397+00	8.5225-01	2.5205-03	8.5225-01	2.5205-03	1.1152-03	3.1995-02	4.9666+04	6.4303-04	2.4660+00
33	442.70	3.6244+00	5.9588-01	1.7415-03	5.9588-01	1.7415-03	7.7052-04	2.2106-02	3.4316+04	4.4397-04	3.0090+00
34	434.69	2.3543+00	3.7922-01	1.1021-03	3.7922-01	1.1021-03	4.8761-04	1.3990-02	2.1717+04	2.8086-04	3.3930+00
35	434.02	1.8166+00	2.8018-01	8.1391-04	2.8018-01	8.1391-04	3.6010-04	1.0331-02	1.6038+04	2.0741-04	3.7770+00
36	458.81	4.6852+01	7.6501+00	2.2614-02	7.6501+00	2.2614-02	1.0005-02	2.8705-01	4.4560+05	5.7690-03	1.3070+00
37	459.17	4.4805+00	7.5159-01	2.2223-03	7.5159-01	2.2223-03	9.8323-04	2.8209-02	4.3790+04	5.6694-04	2.4660+00
38	440.25	4.2286+00	6.8376-01	1.9950-03	6.8376-01	1.9950-03	8.8263-04	2.5323-02	3.9310+04	5.0852-04	3.0090+00
39	431.76	3.4722+00	5.5479-01	1.6091-03	5.5479-01	1.6091-03	7.1192-04	2.0425-02	3.1707+04	4.1001-04	3.3930+00
40	432.84	2.2192+00	3.5164-01	1.0207-03	3.5164-01	1.0207-03	4.5157-04	1.2956-02	2.0111+04	2.6008-04	3.7770+00
41	441.27	1.3938+00	2.1741-01	6.3476-04	2.1741-01	6.3476-04	2.8084-04	8.0573-03	1.2508+04	1.6181-04	4.1620+00
43	456.56	1.5901+00	2.6393-01	7.7893-04	2.6393-01	7.7893-04	3.4462-04	9.8874-03	1.5348+04	1.9869-04	5.3230+00
47	468.70	3.3671+01	5.4845+00	1.6327-02	5.4845+00	1.6327-02	7.2237-03	2.0725-01	3.2172+05	4.1670-03	7.1100-01
48	463.65	3.8365+01	6.3415+00	1.8810-02	6.3415+00	1.8810-02	8.3223-03	2.3877-01	3.7065+05	4.7997-03	1.0880+00
49	451.47	3.5340+01	5.8280+00	1.7139-02	5.8280+00	1.7139-02	7.5826-03	2.1755-01	3.3771+05	4.3707-03	1.3070+00
50	466.94	4.4096+01	7.3921+00	2.1978-02	7.3921+00	2.1978-02	9.7239-03	2.7898-01	4.3307+05	5.6088-03	1.6410+00
51	462.07	2.7163+01	4.5788+00	1.3567-02	4.5788+00	1.3567-02	6.0024-03	1.7221-01	2.6733+05	3.4615-03	1.7720+00
52	458.52	2.8099+00	4.7252-01	1.3965-03	4.7252-01	1.3965-03	6.1747-04	1.7727-02	2.7519+04	3.5626-04	2.4660+00
53	435.13	3.4088+00	5.4925-01	1.5968-03	5.4925-01	1.5968-03	7.0647-04	2.0269-02	3.1464+04	4.0693-04	3.0090+00
54	429.75	3.1642+00	5.0180-01	1.4534-03	5.0180-01	1.4534-03	6.4302-04	1.8449-02	2.8638+04	3.7030-04	3.3930+00
55	432.96	2.7184+00	4.2421-01	1.2314-03	4.2421-01	1.2314-03	5.4481-04	1.5631-02	2.4264+04	3.1379-04	3.7770+00
56	452.15	8.2172+00	1.2632+00	3.7166-03	1.2632+00	3.7166-03	1.6443-03	4.7176-02	7.3233+04	9.4784-04	4.1100-01
57	462.26	2.4868+01	4.0085+00	1.1879-02	4.0085+00	1.1879-02	5.2555-03	1.5078-01	2.3406+05	3.0308-03	7.1100-01
58	448.07	2.2229+01	3.6355+00	1.0666-02	3.6355+00	1.0666-02	4.7188-03	1.3538-01	2.1016+05	2.7196-03	1.0880+00
59	444.87	2.4512+01	4.0121+00	1.1744-02	4.0121+00	1.1744-02	5.1959-03	1.4907-01	2.3141+05	2.9941-03	1.3070+00
60	451.94	2.1194+01	3.4962+00	1.0285-02	3.4962+00	1.0285-02	4.5504-03	1.3055-01	2.0266+05	2.6230-03	1.6410+00
61	435.08	1.6696+00	2.6820-01	7.7968-04	2.6820-01	7.7968-04	3.4495-04	9.8969-03	1.5363+04	1.9870-04	3.0090+00
62	430.17	2.2078+00	3.5024-01	1.0147-03	3.5024-01	1.0147-03	4.4893-04	1.2880-02	1.9994+04	2.5853-04	3.3930+00
63	437.23	2.2400+00	3.5060-01	1.0207-03	3.5060-01	1.0207-03	4.5161-04	1.2957-02	2.0113+04	2.6015-04	3.7770+00
64	440.76	1.3857+01	2.3021+00	6.7190-03	2.3021+00	6.7190-03	2.9727-03	8.5288-02	1.3239+05	1.7127-03	1.0880+00
65	435.74	1.2426+01	2.0571+00	5.9830-03	2.0571+00	5.9830-03	2.6471-03	7.5945-02	1.1789+05	1.5248-03	1.3070+00
66	449.87	1.9922+01	3.3304+00	9.7829-03	3.3304+00	9.7829-03	4.3283-03	1.2418-01	1.9277+05	2.4947-03	1.6410+00
69	451.33	9.5091+00	1.5913+00	4.6791-03	1.5913+00	4.6791-03	2.0702-03	5.9394-02	9.2199+04	1.1933-03	4.1100-01
70	437.80	2.0182+00	3.3459-01	9.7453-04	3.3459-01	9.7453-04	4.3116-04	1.2370-02	1.9203+04	2.4838-04	7.1100-01
71	436.32	7.2291+00	1.1938+00	3.4734-03	1.1938+00	3.4734-03	1.5367-03	4.4090-02	6.8441+04	8.8522-04	1.3070+00
72	442.27	7.6104+00	1.2656+00	3.6979-03	1.2656+00	3.6979-03	1.6361-03	4.6939-02	7.2865+04	9.4268-04	1.6410+00
73	450.20	3.9361+00	6.3315-01	1.8603-03	6.3315-01	1.8603-03	8.2304-04	2.3613-02	3.6656+04	4.7439-04	3.7770+00
74	465.60	3.0836+00	5.0885-01	1.5115-03	5.0885-01	1.5115-03	6.6873-04	1.9186-02	2.9783+04	3.8571-04	5.3230+00
77	418.95	1.1418+00	1.8516-01	5.3230-04	1.8516-01	5.3230-04	2.3551-04	6.7568-03	1.0489+04	1.3556-04	3.0090+00
78	418.83	1.7896+00	2.8676-01	8.2431-04	2.8676-01	8.2431-04	3.6470-04	1.0463-02	1.6243+04	2.0992-04	3.3930+00
79	428.21	3.0857+00	4.8884-01	1.4143-03	4.8884-01	1.4143-03	6.2574-04	1.7953-02	2.7868+04	3.6032-04	3.7770+00
80	451.26	3.0384+00	5.0992-01	1.4993-03	5.0992-01	1.4993-03	6.6335-04	1.9032-02	2.9543+04	3.8236-04	2.4660+00
81	422.88	2.4130+00	3.9240-01	1.1311-03	3.9240-01	1.1311-03	5.0044-04	1.4358-02	2.2288+04	2.8811-04	3.0090+00
82	419.27	1.7257+00	2.7744-01	7.9774-04	2.7744-01	7.9774-04	3.5295-04	1.0126-02	1.5719+04	2.0316-04	3.3930+00
83	424.61	3.2249+00	5.1579-01	1.4886-03	5.1579-01	1.4886-03	6.5859-04	1.8895-02	2.9332+04	3.7918-04	3.7770+00
337	503.63	7.6723+01	5.0759+00	1.5499-02	5.0759+00	1.5499-02	6.8572-03	1.9674-01	3.0540+05	3.9617-03	7.1680+00
339	485.95	1.5360+01	2.9460+00	8.8798-03	2.9460+00	8.8798-03	3.9287-03	1.1272-01	1.7497+05	2.2680-03	8.1130+00
340	467.76	4.5013+00	8.3518-01	2.4846-03	8.3518-01	2.4846-03	1.0993-03	3.1539-02	4.8959+04	6.3410-04	8.6180+00
342	497.63	2.3723+01	4.6325+00	1.4083-02	4.6325+00	1.4083-02	6.2306-03	1.7876-01	2.7749+05	3.5987-03	7.1680+00
344	481.77	1.2224+01	2.3503+00	7.0629-03	2.3503+00	7.0629-03	3.1249-03	8.9653-02	1.3917+05	1.8036-03	8.1130+00
347	484.57	9.4919+00	1.7809+00	5.3626-03	1.7809+00	5.3626-03	2.3726-03	6.8070-02	1.0567+05	1.3696-03	7.1680+00
349	475.63	9.2073+00	1.7585+00	5.2612-03	1.7585+00	5.2612-03	2.3277-03	6.6784-02	1.0367+05	1.3432-03	8.1130+00
350	464.33	1.7688+00	3.0910-01	9.1732-04	3.0910-01	9.1732-04	4.0585-04	1.1644-02	1.8075+04	2.3467-04	8.6180+00
352	482.14	5.0462+00	9.2257-01	2.7732-03	9.2257-01	2.7732-03	1.2269-03	3.5201-02	5.4644+04	7.0818-04	7.1680+00
354	477.56	5.1958+00	9.9106-01	2.9692-03	9.9106-01	2.9692-03	1.3137-03	3.7690-02	5.8507+04	7.5809-04	8.1130+00
357	485.57	8.0483+00	1.4707+00	4.4319-03	1.4707+00	4.4319-03	1.9608-03	5.6256-02	8.7328+04	1.1319-03	7.1680+00
359	477.70	4.7299+00	8.4336-01	2.5270-03	8.4336-01	2.5270-03	1.1180-03	3.2076-02	4.9793+04	6.4518-04	8.1130+00
401	480.26	3.4931+01	2.9452+00	8.8410-03	2.9452+00	8.8410-03	3.9115-03	1.1222-01	1.7421+05	2.2575-03	4.5500-01
403	461.45	1.5474+01	1.2732+00	3.7706-03	1.2732+00	3.7706-03	1.6682-03	4.7862-02	7.4298+04	9.6202-04	6.8600-01
404	4157.18	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	8.0100-01
405	490.59	5.1757+01	4.3415+00	1.3130-02	4.3415+00	1.3130-02	5.8093-03	1.6667-01	2.5873+05	3.3543-03	1.0510+00
406	503.95	7.5925+01	6.4622+00	1.9737-02	6.4622+00	1.9737-02	8.7321-03	2.5053-01	3.8890+05	5.0450-03	1.1670+00
407	515.51	8.8977+01	7.7652+00	2.3919-02	7.7652+00	2.3919-02	1.0583-02	3.0362-01	4.7132+05	6.1174-03	1.2830+00
408	470.47	2.5143+01	2.0564+00	6.1296-03	2.0564+00	6.1296-03	2.7119-03	7.7807-02	1.2078+05	1.5645-03	5.1300-01
409	450.38	8.4675+00	6.9561-01	2.0441-03	6.9561-01	2.0441-03	9.0435-04	2.5946-02	4.0277+04	5.2126-04	5.7000-01
410	470.82	2.6021+01	2.0900+00	6.2313-03	2.0900+00	6.2313-03	2.7569-03	7.9097-02	1.2278+05	1.5905-03	6.2800-01
411	452.58	1.1491+01	9.4545-01	2.7825-03	9.4545-01	2.7825-03	1.2311-03	3.5320-02	5.4828+04	7.0964-04	6.8600-01
412	474.74	2.0690+01	1.7176+00	5.1354-03	1.7176+00	5.1354-03	2.2721-03	6.5186-02	1.0119+05	1.3110-03	7.4400-01
413	454.10	1.3785+01	1.1421+00	3.3648-03	1.1421+00	3.3648-03	1.4887-03	4.2712-02	6.6302+04	8.5821-04	8.0100-01
414	475.42	3.4348+01	2.8526+00	8.5332-03	2.8526+00	8.5332-03	3.7753-03	1.0832-01	1.6814+05	2.1785-03	8.5900-01
415	451.52	1.4020+01	1.1526+00	3.3897-03	1.1526+00	3.3897-03	1.4997-03	4.3027-02	6.6792+04	8.6445-04	9.1700-01
416	483.84	3.5108+01	2.7389+00	8.2430-03	2.7389+00	8.2430-03	3.6470-03	1.0463-01	1.6242+05	2.1052-03	5.7000-01
417	503.04	6.6673+01	5.6378+00	1.7207-02	5.6378+00	1.7207-02	7.6129-03	2.1842-01	3.3906+05	4.3982-03	1.0520+00

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32 1 1.91 -10.09 .00 -.00 402 1 2.35 10.13 750.7 1785.7

8.66067+01 1.56930-02 1.12727+00 4.61938+03 1.52025-05 7.01514-08 8.39841-02 7.72000+00 7.27763-06 7.44155-02

1	467.31	2.6745+01	4.5244+00	1.3458-02	4.5244+00	1.3458-02	5.9561-03	1.7082-01	2.6502+05	3.4317-03	4.1100-01
2	494.23	5.1499+01	8.8675+00	2.6894-02	8.8675+00	2.6894-02	1.1903-02	3.4138-01	5.2962+05	6.8660-03	7.1100-01
3	478.93	4.5792+01	7.8065+00	2.3415-02	7.8065+00	2.3415-02	1.0363-02	2.9722-01	4.6110+05	5.9737-03	1.3070+00
4	507.94	7.2703+01	1.2629+01	3.8690-02	1.2629+01	3.8690-02	1.7124-02	4.9112-01	7.6192+05	9.8835-03	1.6410+00
5	487.55	5.0186+01	9.0066+00	2.7184-02	9.0066+00	2.7184-02	1.2031-02	3.4505-01	5.3532+05	6.9379-03	1.7720+00
6	452.54	2.9107+00	4.8036-01	1.4139-03	4.8036-01	1.4139-03	6.2575-04	1.7947-02	2.7843+04	3.6030-04	2.4660+00
7	430.47	2.3595+00	3.8235-01	1.1081-03	3.8235-01	1.1081-03	4.9043-04	1.4066-02	2.1822+04	2.8212-04	3.0090+00
8	423.82	2.8457+00	4.5488-01	1.3123-33	4.5488-01	1.3123-03	5.8078-04	1.6657-02	2.5842+04	3.3400-04	3.3930+00
9	426.12	3.5465+00	5.6782-01	1.6407-03	5.6782-01	1.6407-03	7.2614-04	2.0826-02	3.2310+04	4.1763-04	3.7770+00
10	457.15	4.0655+00	6.6705-01	1.9698-03	6.6705-01	1.9698-03	8.7180-04	2.5004-02	3.8791+04	5.0208-04	5.3230+00
14	473.58	4.1939+01	7.1243+00	2.1286-02	7.1243+00	2.1286-02	9.4210-03	2.7020-01	4.1919+05	5.4295-03	1.0880+00
15	476.58	5.3571+01	9.1183+00	2.7303-02	9.1183+00	2.7303-02	1.2084-02	3.4657-01	5.3768+05	6.9651-03	1.3070+00
16	486.55	5.7496+01	9.8508+00	2.9710-02	9.8508+00	2.9710-02	1.3149-02	3.7712-01	5.8507+05	7.5823-03	1.6410+00
19	465.38	1.5082+01	2.3171+00	6.8826-03	2.3171+00	6.8826-03	3.0461-03	8.7364-02	1.3554+05	1.7549-03	4.1100-01
20	457.99	1.4970+01	2.3989+00	7.0881-03	2.3989+00	7.0881-03	3.1371-03	8.9973-02	1.3958+05	1.8067-03	7.1100-01
21	472.12	4.0937+01	6.7238+00	2.0069-02	6.7238+00	2.0069-02	8.8821-03	2.5474-01	3.9521+05	5.1186-03	1.0880+00
22	466.09	4.7178+01	7.7645+00	2.3075-02	7.7645+00	2.3075-02	1.0213-02	2.9290-01	4.5441+05	5.8838-03	1.3070+00
23	687.49	4.1039-02	7.5722-03	2.6763-05	7.5722-03	2.6763-05	1.1845-05	3.3972-04	5.2704+02	6.8949-06	1.6410+00
24	447.18	2.4613+00	3.9990-01	1.1726-03	3.9990-01	1.1726-03	5.1899-04	1.4885-02	2.3092+04	2.9876-04	3.0090+00
25	441.11	2.0177+00	3.1861-01	9.3027-04	3.1861-01	9.3027-04	4.1172-04	1.1808-02	1.8320+04	2.3695-04	3.3930+00
26	438.85	2.1195+00	3.3622-01	9.8014-04	3.3622-01	9.8014-04	4.3379-04	1.2441-02	1.9302+04	2.4963-04	3.7770+00
27	452.13	9.2935+00	1.4833+00	4.3645-03	1.4833+00	4.3645-03	1.9317-03	5.5401-02	8.5950+04	1.1122-03	7.1100-01
28	453.37	2.3877+01	3.8725+00	1.1405-02	3.8725+00	1.1405-02	5.0477-03	1.4477-01	2.2460+05	2.9065-03	1.0880+00
29	468.61	4.6445+01	7.7256+00	2.3001-02	7.7256+00	2.3001-02	1.0180-02	2.9196-01	4.5295+05	5.8655-03	1.3070+00
30	474.26	4.8722+01	8.1592+00	2.4390-02	8.1592+00	2.4390-02	1.0795-02	3.0960-01	4.8032+05	6.2214-03	1.6410+00
31	464.68	2.9766+01	5.0264+00	1.4923-02	5.0264+00	1.4923-02	6.6046-03	1.8942-01	2.9387+05	3.8049-03	1.7720+00
32	460.79	5.1179+00	8.4937-01	2.5147-03	8.4937-01	2.5147-03	1.1130-03	3.1920-02	4.9522+04	6.4106-04	2.4660+00
33	443.62	3.7003+00	6.0874-01	1.7805-03	6.0874-01	1.7805-03	7.8803-04	2.2601-02	3.5064+04	4.5357-04	3.0090+00
34	435.30	2.4701+00	3.9805-01	1.1575-03	3.9805-01	1.1575-03	5.1229-04	1.4693-02	2.2795+04	2.9476-04	3.3930+00
35	434.50	1.8390+00	2.8372-01	8.2459-04	2.8372-01	8.2459-04	3.6495-04	1.0467-02	1.6238+04	2.0997-04	3.7770+00
36	470.73	4.7223+01	7.7725+00	2.3176-02	7.7725+00	2.3176-02	1.0257-02	2.9418-01	4.5640+05	5.9106-03	1.3070+00
37	460.28	4.4920+00	7.5408-01	2.2317-03	7.5408-01	2.2317-03	9.8773-04	2.8329-02	4.3949+04	5.6892-04	2.4660+00
38	441.33	4.2447+00	6.8688-01	2.0059-03	6.8688-01	2.0059-03	8.8776-04	2.5461-02	3.9501+04	5.1092-04	3.0090+00
39	432.60	3.3008+00	5.2771-01	1.5317-03	5.2771-01	1.5317-03	6.7789-04	1.9442-02	3.0163+04	3.8999-04	3.3930+00
40	433.41	2.2213+00	3.5211-01	1.0226-03	3.5211-01	1.0226-03	4.5257-04	1.2980-02	2.0137+04	2.6037-04	3.7770+00
41	441.61	1.3491+00	2.1049-01	6.1479-04	2.1049-01	6.1479-04	2.7210-04	7.8039-03	1.2107+04	1.5660-04	4.1620+00
43	456.95	1.6156+00	2.6822-01	7.9195-04	2.6822-01	7.9195-04	3.5050-04	1.0053-02	1.5596+04	2.0186-04	5.3230+00
47	477.10	3.3225+01	5.4422+00	1.6302-02	5.4422+00	1.6302-02	7.2149-03	2.0693-01	3.2103+05	4.1587-03	7.1100-01
48	473.12	3.7329+01	6.2095+00	1.8547-02	6.2095+00	1.8547-02	8.2085-03	2.3543-01	3.6524+05	4.7306-03	1.0880+00
49	460.18	3.4768+01	5.7678+00	1.7069-02	5.7678+00	1.7069-02	7.5545-03	2.1667-01	3.3614+05	4.3512-03	1.3070+00
50	477.90	4.3371+01	7.3240+00	2.1951-02	7.3240+00	2.1951-02	9.7152-03	2.7864-01	4.3228+05	5.6001-03	1.6410+00
51	468.91	2.7203+01	4.6067+00	1.3718-02	4.6067+00	1.3718-02	6.0715-03	1.7413-01	2.7015+05	3.4984-03	1.7720+00
52	459.23	2.8047+00	4.7187-01	1.3955-03	4.7187-01	1.3955-03	6.1763-04	1.7714-02	2.7481+04	3.5573-04	2.4660+00
53	435.98	3.4343+00	5.5368-01	1.6108-03	5.5368-01	1.6108-03	7.1293-04	2.0447-02	3.1722+04	4.1021-04	3.0090+00
54	430.55	3.2016+00	5.0802-01	1.4724-03	5.0802-01	1.4724-03	6.5167-04	1.8690-02	2.8996+04	3.7487-04	3.3930+00
55	433.64	2.7361+00	4.2717-01	1.2407-03	4.2717-01	1.2407-03	5.4913-04	1.5749-02	2.4434+04	3.1593-04	3.7770+00
56	454.34	8.6239+00	1.3277+00	3.9130-03	1.3277+00	3.9130-03	1.7318-03	4.9670-02	7.7058+04	9.9725-04	4.1100-01
57	468.49	2.4724+01	4.0022+00	1.1914-02	4.0022+00	1.1914-02	5.2731-03	1.5123-01	2.3463+05	3.0383-03	7.1100-01
58	453.57	2.2217+01	3.6474+00	1.0743-02	3.6474+00	1.0743-02	4.7549-03	1.3637-01	2.1157+05	2.7379-03	1.0880+00
59	450.93	2.4165+01	3.9719+00	1.1677-02	3.9719+00	1.1677-02	5.1682-03	1.4823-01	2.2996+05	2.9756-03	1.3070+00
60	457.20	2.1243+01	3.5170+00	1.0386-02	3.5170+00	1.0386-02	4.5967-03	1.3184-01	2.0453+05	2.6473-03	1.6410+00
61	435.49	1.6722+00	2.6869-01	7.8145-04	2.6869-01	7.8145-04	3.4586-04	9.9194-03	1.5389+04	1.9900-04	3.0090+00
62	430.73	2.2358+00	3.5483-01	1.0285-03	3.5483-01	1.0285-03	4.5522-04	1.3056-02	2.0255+04	2.6187-04	3.3930+00
63	437.79	2.2270+00	3.4870-01	1.0158-03	3.4870-01	1.0158-03	4.4956-04	1.2894-02	2.0003+04	2.5869-04	3.7770+00
64	444.18	1.3748+01	2.2893+00	6.6987-03	2.2893+00	6.6987-03	2.9647-03	8.5030-02	1.3192+05	1.7065-03	1.0880+00
65	438.82	1.2431+01	2.0623+00	6.0119-03	2.0623+00	6.0119-03	2.6608-03	7.6312-02	1.1839+05	1.5311-03	1.3070+00
66	454.73	1.9552+01	3.2795+00	9.6676-03	3.2795+00	9.6676-03	4.2787-03	1.2272-01	1.9038+05	2.4639-03	1.6410+00
69	453.79	1.0309+01	1.7261+00	5.0908-03	1.7281+00	5.0908-03	2.2531-03	6.4621-02	1.0025+05	1.2974-03	4.1100-01
70	438.28	2.0634+00	3.4220-01	9.9717-04	3.4220-01	9.9717-04	4.4133-04	1.2658-02	1.9637+04	2.5396-04	7.1100-01
71	438.13	7.1148+00	1.1764+00	3.4276-03	1.1764+00	3.4276-03	1.5170-03	4.3508-02	6.7499+04	8.7294-04	1.3070+00
72	444.18	7.5055+00	1.2498+00	3.6571-03	1.2498+00	3.6571-03	1.6186-03	4.6422-02	7.2019+04	9.3164-04	1.6410+00
73	451.15	3.6073+00	5.8064-01	1.7073-03	5.8064-01	1.7073-03	7.5564-04	2.1672-02	3.3623+04	4.3507-04	3.7770+00
74	466.36	3.0701+00	5.0688-01	1.5067-03	5.0688-01	1.5067-03	6.6683-04	1.9125-02	2.9671+04	3.8419-04	5.3230+00
77	419.39	1.9668+00	3.1904-01	9.1757-04	3.1904-01	9.1757-04	4.0610-04	1.1647-02	1.8070+04	2.3350-04	3.0090+00
78	419.27	1.9179+00	3.0742-01	8.8408-04	3.0742-01	8.8408-04	3.9128-04	1.1222-02	1.7410+04	2.2498-04	3.3930+00
79	428.96	3.0644+00	4.8572-01	1.4062-03	4.8572-01	1.4062-03	6.2237-04	1.7850-02	2.7693+04	3.5800-04	3.7770+00
80	451.96	2.9917+00	5.0232-01	1.4779-03	5.0232-01	1.4779-03	6.5410-04	1.8760-02	2.9104+04	3.7662-04	2.4660+00
81	423.46	2.4436+00	3.9755-01	1.1466-03	3.9755-01	1.1466-03	5.0746-04	1.4554-02	2.2579+04	2.9183-04	3.0090+00
82	419.70	1.6727+00	2.6900-01	7.7382-04	2.6900-01	7.7382-04	3.4248-04	9.8225-03	1.5239+04	1.9692-04	3.3930+00
83	425.43	3.3086+00	5.2947-01	1.5291-03	5.2947-01	1.5291-03	6.7677-04	1.9410-02	3.0113+04	3.8923-04	3.7770+00
337	510.37	2.6720+01	5.0972+00	1.5644-02	5.0972+00	1.5644-02	6.9237-03	1.9858-01	3.0807+05	3.9967-03	7.1680+00
339	489.82	1.5469+01	2.9744+00	8.9920-03	2.9744+00	8.9920-03	3.9797-03	1.1414-01	1.7708+05	2.2952-03	8.1130+00
340	468.89	4.6265+00	8.5906-01	2.5581-03	8.5906-01	2.5581-03	1.1322-03	3.2472-02	5.0377+04	6.5236-04	8.6180+00
342	503.54	2.3629+01	4.6315+00	1.4143-02	4.6315+00	1.4143-02	6.2595-03	1.7953-01	2.7852+05	3.6122-03	7.1680+00
344	484.81	1.2112+01	2.3334+00	7.0288-03	2.3334+00	7.0288-03	3.1108-03	8.9220-02	1.3842+05	1.7937-03	8.1130+00
347	486.95	9.5138+00	1.7877+00	5.3934-03	1.7877+00	5.3934-03	2.3870-03	6.8461-02	1.0621+05	1.3765-03	7.1680+00
349	477.92	9.2410+00	1.7677+00	5.2981-03	1.7677+00	5.2981-03	2.3448-03	6.7251-02	1.0433+05	1.3516-03	8.1130+00
350	464.77	1.8094+00	3.1628-01	9.3905-04	3.1628-01	9.3905-04	4.1561-04	1.1920-02	1.8493+04	2.3943-04	8.6180+00
352	483.39	5.0332+00	9.2096-01	2.7713-03	9.2096-01	2.7713-03	1.2265-03	3.5177-02	5.4574+04	7.0716-04	7.1680+00
354	478.85	5.1787+00	9.8863-01	2.9651-03	9.8863-01	2.9651-03	1.3123-03	3.7638-02	5.8392+04	7.5648-04	8.1130+00
357	487.58	7.9969+00	1.4632+00	4.4164-03	1.4632+00	4.4164-03	1.9546-03	5.6060-02	8.6971+04	1.1272-03	7.1680+00
359	478.87	4.7195+00	8.4216-01	2.5259-03	8.4216-01	2.5259-03	1.1174-03	3.2062-02	4.9741+04	6.4441-04	8.1130+00
401	488.82	3.3485+01	2.8391+00	8.5769-03	2.8391+00	8.5769-03	3.7960-03	1.0887-01	1.6890+05	2.1891-03	4.5500-01
403	465.27	1.5433+01	1.2730+00	3.7811-03	1.2730+00	3.7811-03	1.6735-03	4.7996-02	7.4461+04	9.6409-04	6.8600-01
404	4157.12	1.0383-02	-5.6938-03	-4.3543-06	-5.6938-03	-4.3543-06	-1.9271-06	-5.5271-05	-8.5748+01	-9.5809-07	8.0100-01
405	503.48	5.0925+01	4.3074+00	1.3153-02	4.3074+00	1.3153-02	5.8211-03	1.6695-01	2.5901+05	3.3542-03	1.0510+00
406	522.46	7.2608+01	6.2526+00	1.9363-02	6.2526+00	1.9363-02	8.5698-03	2.4579-01	3.8131+05	4.9496-03	1.1670+00
407	537.17	8.4990+01	7.5177+00	2.3539-02	7.5177+00	2.3539-02	1.0418-02	2.9860-01	4.6356+05	6.0211-03	1.2830+00
408	476.90	2.5626+01	2.1048+00	6.3040-03	2.1048+00	6.3040-03	2.7900-03	8.0020-02	1.2414+05	1.6082-03	9.1300-01
409	452.52	9.2037+00	7.5719-01	2.2287-03	7.5719-01	2.2287-03	9.8637-04	2.8290-02	4.3889+04	5.6795-04	5.7000-01
410	477.26	2.5639+01	2.0681+00	6.1957-03	2.0681+00	6.1957-03	2.7421-03	7.8645-02	1.2201+05	1.5806-03	6.2800-01
411	455.54	1.2268+01	1.0113+00	2.9831-03	1.0113+00	2.9831-03	1.3203-03	3.7866-02	5.8745+04	7.6030-04	6.8600-01
412	479.63	1.9752+01	1.6450+00	4.9365-03	1.6450+00	4.9365-03	2.1848-03	6.2662-02	9.7214+04	1.2595-03	7.4400-01
413	457.54	1.3960+01	1.1593+00	3.4243-03	1.1593+00	3.4243-03	1.5156-03	4.3467-02	6.7435+04	8.7283-04	8.0100-01
414	483.85	3.3327+01	2.7832+00	8.3777-03	2.7832+00	8.3777-03	3.7078-03	1.0634-01	1.6498+05	2.1378-03	8.5900-01
415	455.02	1.4432+01	1.1894+00	3.5069-03	1.1894+00	3.5069-03	1.5521-03	4.4515-02	6.9061+04	8.9379-04	9.1700-01
416	492.25	3.2993+01	2.5880+00	7.8377-03	2.5880+00	7.8377-03	3.4689-03	9.9489-02	1.5435+05	2.0008-03	5.7000-01
417	519.25	6.3389+01	5.4153+00	1.6730-02	5.4153+00	1.6730-02	7.4044-03	2.1236-01	3.2946+05	4.2759-03	1.0520+00

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8.65433+01 1.56948-02 1.12740+00 4.61769+03 1.52154-05 7.01001-08 8.40860-02 7.72000+00 7.27161-06 7.44226-02

1	474.13	2.7669+01	4.7019+00	1.4054-02	4.7019+00	1.4054-02	6.2171-03	1.7840-01	2.7699+05	3.5881-03	4.1100-01
2	506.98	5.0504+01	8.7677+00	2.6842-02	8.7677+00	2.6842-02	1.1874-02	3.4071-01	5.2902+05	6.8629-03	7.1100-01
3	490.30	4.5200+01	7.7631+00	2.3477-02	7.7631+00	2.3477-02	1.0386-02	2.9801-01	4.6272+05	5.9982-03	1.3070+00
4	525.95	7.1463+01	1.2555+01	3.8982-02	1.2555+01	3.8982-02	1.7245-02	4.9482-01	7.6831+05	9.9756-03	1.6410+00
5	500.00	4.9505+01	8.9563+00	2.7279-02	8.9563+00	2.7279-02	1.2067-02	3.4626-01	5.3764+05	6.9724-03	1.7720+00
6	453.30	3.2062+00	5.2941-01	1.5591-03	5.2941-01	1.5591-03	6.8970-04	1.9790-02	3.0729+04	3.9769-04	2.4660+00
7	431.05	2.3855+00	3.8671-01	1.1212-03	3.8671-01	1.1212-03	4.9600-04	1.4232-02	2.2098+04	2.8572-04	3.0090+00
8	424.56	2.9564+00	4.7282-01	1.3647-03	4.7282-01	1.3647-03	6.0370-04	1.7323-02	2.6897+04	3.4767-04	3.3930+00
9	427.03	3.6021+00	5.7709-01	1.6685-03	5.7709-01	1.6685-03	7.3811-04	2.1180-02	3.2885+04	4.2511-04	3.7770+00
10	458.17	4.0717+00	6.6854-01	1.9756-03	6.6854-01	1.9756-03	8.7396-04	2.5078-02	3.8938+04	5.0404-04	5.3230+00
14	484.00	4.1362+01	7.0748+00	2.1298-02	7.0748+00	2.1298-02	9.4216-03	2.7035-01	4.1976+05	5.4399-03	1.0880+00
15	490.00	5.2906+01	9.0849+00	2.7469-02	9.0849+00	2.7469-02	1.2151-02	3.4867-01	5.4138+05	7.0179-03	1.3070+00
16	500.81	5.6627+01	9.7919+00	2.9841-02	9.7919+00	2.9841-02	1.3201-02	3.7879-01	5.8814+05	7.6277-03	1.6410+00
19	469.14	1.5018+01	2.3131+00	6.8892-03	2.3131+00	6.8892-03	3.0476-03	8.7448-02	1.3578+05	1.7585-03	4.1100-01
20	461.78	1.4847+01	2.3852+00	7.0668-03	2.3852+00	7.0668-03	3.1261-03	8.9702-02	1.3928+05	1.8032-03	7.1100-01
21	482.29	4.0084+01	6.6282+00	1.9929-02	6.6282+00	1.9929-02	8.8160-03	2.5297-01	3.9278+05	5.0899-03	1.0880+00
22	478.53	4.9052+01	8.1400+00	2.4408-02	8.1400+00	2.4408-02	1.0797-02	3.0982-01	4.8106+05	6.2328-03	1.3070+00
23	687.50	8.0520-02	1.4857-02	5.2511-05	1.4857-02	5.2511-05	2.3229-05	6.6654-04	1.0349+03	1.3543-05	1.6410+00
24	447.81	2.5091+00	4.0785-01	1.1964-03	4.0785-01	1.1964-03	5.2927-04	1.5187-02	2.3581+04	3.0511-04	3.0090+00
25	441.60	2.0270+00	3.2019-01	9.3522-04	3.2019-01	9.3522-04	4.1371-04	1.1871-02	1.8432+04	2.3843-04	3.3930+00
26	439.39	2.0800+00	3.3008-01	9.6261-04	3.3008-01	9.6261-04	4.2583-04	1.2219-02	1.8972+04	2.4539-04	3.7770+00
27	454.43	9.4499+00	1.5106+00	4.4522-03	1.5106+00	4.4522-03	1.9695-03	5.6514-02	8.7748+04	1.1357-03	7.1100-01
28	459.33	2.3931+01	3.8971+00	1.1526-02	3.8971+00	1.1526-02	5.0988-03	1.4631-01	2.2717+05	2.9408-03	1.0880+00
29	480.28	4.6137+01	7.7341+00	2.3220-02	7.7341+00	2.3220-02	1.0272-02	2.9475-01	4.5765+05	5.9299-03	1.3070+00
30	486.37	4.7940+01	8.0926+00	2.4404-02	8.0926+00	2.4404-02	1.0796-02	3.0977-01	4.8098+05	6.2339-03	1.6410+00
31	472.16	2.9718+01	5.0435+00	1.5054-02	5.0435+00	1.5054-02	6.6594-03	1.9109-01	2.9670+05	3.8430-03	1.7720+00
32	462.07	5.2000+00	8.6374-01	2.5596-03	8.6374-01	2.5596-03	1.1323-03	3.2490-02	5.0447+04	6.5313-04	2.4660+00
33	444.55	3.7158+00	6.1170-01	1.7903-03	6.1170-01	1.7903-03	7.9200-04	2.2726-02	3.5286+04	4.5650-04	3.0090+00
34	435.93	2.5132+00	4.0517-01	1.1787-03	4.0517-01	1.1787-03	5.2144-04	1.4962-02	2.3232+04	3.0044-04	3.3930+00
35	434.94	1.8369+00	2.8349-01	8.2416-04	2.8349-01	8.2416-04	3.6458-04	1.0462-02	1.6243+04	2.1005-04	3.7770+00
36	482.56	4.6697+01	7.7464+00	2.3296-02	7.7464+00	2.3296-02	1.0305-02	2.9570-01	4.5913+05	5.9497-03	1.3070+00
37	461.40	4.4774+00	7.5220-01	2.2280-03	7.5220-01	2.2280-03	9.8559-04	2.8281-02	4.3912+04	5.6850-04	2.4660+00
38	442.40	4.3205+00	6.9968-01	2.0448-03	6.9968-01	2.0448-03	9.0454-04	2.5955-02	4.0300+04	5.2132-04	3.0090+00
39	433.30	3.1122+00	4.9781-01	1.4456-03	4.9781-01	1.4456-03	6.3949-04	1.8350-02	2.8491+04	3.6841-04	3.3930+00
40	433.97	2.1756+00	3.4500-01	1.0023-03	3.4500-01	1.0023-03	4.4339-04	1.2723-02	1.9754+04	2.5545-04	3.7770+00
41	441.95	1.3745+00	2.1451-01	6.2669-04	2.1451-01	6.2669-04	2.7723-04	7.9549-03	1.2352+04	1.5977-04	4.1620+00
43	457.35	1.6083+00	2.6709-01	7.8882-04	2.6709-01	7.8882-04	3.4895-04	1.0013-02	1.5547+04	2.0124-04	5.3230+00
47	485.32	3.2533+01	5.3577+00	1.6144-02	5.3577+00	1.6144-02	7.1418-03	2.0493-01	3.1819+05	4.1238-03	7.1100-01
48	482.29	3.6172+01	6.0537+00	1.8201-02	6.0537+00	1.8201-02	8.0518-03	2.3104-01	3.5873+05	4.6486-03	1.0880+00
49	468.81	3.4362+01	5.7336+00	1.7073-02	5.7336+00	1.7073-02	7.5524-03	2.1671-01	3.3649+05	4.3577-03	1.3070+00
50	488.62	4.2475+01	7.2232+00	2.1818-02	7.2232+00	2.1818-02	9.6516-03	2.7695-01	4.3001+05	5.5739-03	1.6410+00
51	475.70	2.7005+01	4.5939+00	1.3747-02	4.5939+00	1.3747-02	6.0812-03	1.7450-01	2.7094+05	3.5099-03	1.7720+00
52	459.93	2.8712+00	4.8329-01	1.4300-03	4.8329-01	1.4300-03	6.3259-04	1.8152-02	2.8184+04	3.6486-04	2.4660+00
53	436.85	3.4473+00	5.5611-01	1.6189-03	5.5611-01	1.6189-03	7.1615-04	2.0549-02	3.1907+04	4.1264-04	3.0090+00
54	431.34	3.2514+00	5.1622-01	1.4970-03	5.1622-01	1.4970-03	6.6223-04	1.9002-02	2.9505+04	3.8148-04	3.3930+00
55	434.32	2.7309+00	4.2656-01	1.2396-03	4.2656-01	1.2396-03	5.4835-04	1.5735-02	2.4431+04	3.1592-04	3.7770+00
56	456.56	9.1091+00	1.4045+00	4.1459-03	1.4045+00	4.1459-03	1.8340-03	5.2626-02	8.1712+04	1.0577-03	4.1100-01
57	474.65	2.4590+01	3.9967+00	1.1951-02	3.9967+00	1.1951-02	5.2867-03	1.5170-01	2.3554+05	3.0512-03	7.1100-01
58	459.12	2.2389+01	3.6894+00	1.0910-02	3.6894+00	1.0910-02	4.8263-03	1.3849-01	2.1503+05	2.7836-03	1.0880+00
59	456.89	2.3925+01	3.9483+00	1.1657-02	3.9483+00	1.1657-02	5.1569-03	1.4797-01	2.2976+05	2.9739-03	1.3070+00
60	462.54	2.1472+01	3.5677+00	1.0576-02	3.5677+00	1.0576-02	4.6784-03	1.3424-01	2.0844+05	2.6987-03	1.6410+00
61	435.90	1.6681+00	2.6810-01	7.7996-04	2.6810-01	7.7996-04	3.4503-04	9.9004-03	1.5372+04	1.9880-04	3.0090+00
62	431.28	2.2135+00	3.5142-01	1.0191-03	3.5142-01	1.0191-03	4.5080-04	1.2935-02	2.0085+04	2.5969-04	3.3930+00
63	438.35	2.2296+00	3.4924-01	1.0177-03	3.4924-01	1.0177-03	4.5022-04	1.2919-02	2.0059+04	2.5943-04	3.7770+00
64	447.64	1.3566+01	2.2644+00	6.6420-03	2.2644+00	6.6420-03	2.9382-03	8.4310-02	1.3091+05	1.6938-03	1.0880+00
65	441.92	1.2474+01	2.0740+00	6.0592-03	2.0740+00	6.0592-03	2.6804-03	7.6912-02	1.1942+05	1.5448-03	1.3070+00
66	459.59	1.9575+01	3.2941+00	9.7445-03	3.2941+00	9.7445-03	4.3107-03	1.2369-01	1.9205+05	2.4862-03	1.6410+00
69	456.47	1.1091+01	1.8625+00	5.4974-03	1.8625+00	5.4974-03	2.4319-03	6.9781-02	1.0835+05	1.4024-03	4.1100-01
70	438.79	2.0935+00	3.4732-01	1.0125-03	3.4732-01	1.0125-03	4.4788-04	1.2852-02	1.9955+04	2.5809-04	7.1100-01
71	439.88	7.0421+00	1.1658+00	3.4009-03	1.1658+00	3.4009-03	1.5044-03	4.3169-02	6.7028+04	8.6697-04	1.3070+00
72	446.02	7.4275+00	1.2384+00	3.6284-03	1.2384+00	3.6284-03	1.6051-03	4.6058-02	7.1513+04	9.2523-04	1.6410+00
73	452.01	3.5179+00	5.6659-01	1.6671-03	5.6659-01	1.6671-03	7.3745-04	2.1161-02	3.2856+04	4.2520-04	3.7770+00
74	467.13	3.0618+00	5.0577-01	1.5042-03	5.0577-01	1.5042-03	6.6541-04	1.9094-02	2.9646+04	3.8391-04	5.3230+00
77	419.99	2.3356+00	3.7903-01	1.0906-03	3.7903-01	1.0906-03	4.8243-04	1.3843-02	2.1494+04	2.7777-04	3.0090+00
78	419.75	2.0774+00	3.3310-01	9.5824-04	3.3310-01	9.5824-04	4.2390-04	1.2163-02	1.8886+04	2.4407-04	3.3930+00
79	429.72	3.0691+00	4.8672-01	1.4099-03	4.8672-01	1.4099-03	6.2368-04	1.7896-02	2.7787+04	3.5925-04	3.7770+00
80	452.68	3.1179+00	5.2378-01	1.5418-03	5.2378-01	1.5418-03	6.8206-04	1.9571-02	3.0388+04	3.9327-04	2.4660+00
81	424.11	2.5875+00	4.2115-01	1.2152-03	4.2115-01	1.2152-03	5.3757-04	1.5425-02	2.3950+04	3.0957-04	3.0090+00
82	420.10	1.6899+00	2.7184-01	7.8219-04	2.7184-01	7.8219-04	3.4602-04	9.9288-03	1.5416+04	1.9923-04	3.3930+00
83	426.25	3.4057+00	5.4534-01	1.5759-03	5.4534-01	1.5759-03	6.9711-04	2.0003-02	3.1059+04	4.0149-04	3.7770+00
337	517.03	2.6561+01	5.0881+00	1.5693-02	5.0881+00	1.5693-02	6.9422-03	1.9920-01	3.0930+05	4.0143-03	7.1680+00
339	493.68	1.5418+01	2.9719+00	9.0100-03	2.9719+00	9.0100-03	3.9858-03	1.1437-01	1.7758+05	2.3023-03	8.1130+00
340	470.04	4.6104+00	8.5673-01	2.5533-03	8.5673-01	2.5533-03	1.1295-03	3.2410-02	5.0323+04	6.5176-04	8.6180+00
342	509.40	2.3492+01	4.6221+00	1.4176-02	4.6221+00	1.4176-02	6.2708-03	1.7994-01	2.7939+05	3.6248-03	7.1680+00
344	487.82	1.2071+01	2.3301+00	7.0341-03	2.3301+00	7.0341-03	3.1117-03	8.9287-02	1.3864+05	1.7969-03	8.1130+00
347	489.33	9.5865+00	1.8042+00	5.4525-03	1.8042+00	5.4525-03	2.4120-03	6.9211-02	1.0746+05	1.3930-03	7.1680+00
349	480.25	9.2665+00	1.7753+00	5.3298-03	1.7753+00	5.3298-03	2.3577-03	6.7653-02	1.0504+05	1.3611-03	8.1130+00
350	465.22	1.8442+00	3.2246-01	9.5770-04	3.2246-01	9.5770-04	4.2366-04	1.2157-02	1.8876+04	2.4441-04	8.6180+00
352	484.67	5.0068+00	9.1688-01	2.7615-03	9.1688-01	2.7615-03	1.2216-03	3.5053-02	5.4427+04	7.0536-04	7.1680+00
354	480.14	5.2182+00	9.9701-01	2.9931-03	9.9701-01	2.9931-03	1.3240-03	3.7992-02	5.8990+04	7.6435-04	8.1130+00
357	489.56	7.8883+00	1.4452+00	4.3684-03	1.4452+00	4.3684-03	1.9324-03	5.5450-02	8.6097+04	1.1160-03	7.1680+00
359	480.04	4.6753+00	8.3493-01	2.5063-03	8.3493-01	2.5063-03	1.1087-03	3.1814-02	4.9397+04	6.4004-04	8.1130+00
401	496.99	3.2029+01	2.7301+00	8.2968-03	2.7301+00	8.2968-03	3.6703-03	1.0532-01	1.6352+05	2.1204-03	4.5500-01
403	469.14	1.5580+01	1.2886+00	3.8378-03	1.2886+00	3.8378-03	1.6977-03	4.8715-02	7.5639+04	9.7960-04	6.8600-01
404	4157.06	1.5571-02	-8.5390-03	-6.5301-06	-8.5390-03	-6.5301-06	-2.8887-06	-8.2890-05	-1.2870+02	-1.4371-06	8.0100-01
405	516.05	4.9814+01	4.2471+00	1.3090-02	4.2471+00	1.3090-02	5.7905-03	1.6616-01	2.5799+05	3.3482-03	1.0510+00
406	540.24	6.9438+01	6.0456+00	1.8974-02	6.0456+00	1.8974-02	8.3935-03	2.4085-01	3.7396+05	4.8586-03	1.1670+00
407	557.98	8.1375+01	7.2890+00	2.3188-02	7.2890+00	2.3188-02	1.0258-02	2.9434-01	4.5702+05	5.9426-03	1.2830+00
408	483.29	2.5758+01	2.1246+00	6.3926-03	2.1246+00	6.3926-03	2.8279-03	8.1145-02	1.2599+05	1.6327-03	5.1300-01
409	454.90	1.0040+01	8.2730-01	2.4391-03	8.2730-01	2.4391-03	1.0790-03	3.0961-02	4.8073+04	6.2220-04	5.7000-01
410	483.64	2.5448+01	2.0613+00	6.2038-03	2.0613+00	6.2038-03	2.7444-03	7.8748-02	1.2227+05	1.5845-03	6.2800-01
411	458.75	1.2985+01	1.0728+00	3.1717-03	1.0728+00	3.1717-03	1.4030-03	4.0260-02	6.2511+04	8.0920-04	6.8600-01
412	484.48	1.9471+01	1.6267+00	4.8988-03	1.6267+00	4.8988-03	2.1671-03	6.2183-02	9.6552+04	1.2513-03	7.4400-01
413	461.09	1.4085+01	1.1725+00	3.4721-03	1.1725+00	3.4721-03	1.5360-03	4.4073-02	6.8432+04	8.8595-04	8.0100-01
414	492.04	3.2479+01	2.7270+00	8.2575-03	2.7270+00	8.2575-03	3.6529-03	1.0482-01	1.6275+05	2.1099-03	8.5900-01
415	458.73	1.5105+01	1.2480+00	3.6894-03	1.2480+00	3.6894-03	1.6321-03	4.6831-02	7.2714+04	9.4128-04	9.1700-01
416	500.25	3.1759+01	2.5041+00	7.6283-03	2.5041+00	7.6283-03	3.3746-03	9.6831-02	1.5035+05	1.9498-03	5.7000-01
417	534.68	6.0249+01	5.1966+00	1.6241-02	5.1966+00	1.6241-02	7.1846-03	2.0616-01	3.2010+05	4.1578-03	1.0520+00

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32 1 1.91 -10.09 .00 -.00 402 1 3.10 10.13 750.7 1784.4

8.65342+01 1.56951-02 1.12742+00 4.61745+03 1.52173-05 7.00927-08 8.41006-02 7.72000+00 7.27075-06 7.44236-02

1	488.32	2.8822+01	4.9438+00	1.4925-02	4.9438+00	1.4925-02	6.6020-03	1.8945-01	2.9420+05	3.8145-03	4.1100-01
2	531.79	4.8891+01	8.6207+00	2.6876-02	8.6207+00	2.6876-02	1.1888-02	3.4115-01	5.2976+05	6.8824-03	7.1100-01
3	512.67	4.4558+01	7.7633+00	2.3860-02	7.7633+00	2.3860-02	1.0554-02	3.0287-01	4.7031+05	6.1047-03	1.3070+00
4	561.08	6.9072+01	1.2397+01	3.9519-02	1.2397+01	3.9519-02	1.7481-02	5.0164-01	7.7899+05	1.0134-02	1.6410+00
5	524.43	4.8087+01	8.8350+00	2.7392-02	8.8350+00	2.7392-02	1.2117-02	3.4771-01	5.3994+05	7.0123-03	1.7720+00
6	454.98	3.3766+00	5.5818-01	1.6453-03	5.5818-01	1.6453-03	7.2779-04	2.0885-02	3.2432+04	4.1988-04	2.4660+00
7	432.26	2.4452+00	3.9674-01	1.1509-03	3.9674-01	1.1509-03	5.0910-04	1.4609-02	2.2686+04	2.9342-04	3.0090+00
8	426.05	2.9590+00	4.7373-01	1.3684-03	4.7373-01	1.3684-03	6.0528-04	1.7369-02	2.6972+04	3.4876-04	3.3930+00
9	428.81	3.5429+00	5.6832-01	1.6447-03	5.6832-01	1.6447-03	7.2753-04	2.0878-02	3.2420+04	4.1926-04	3.7770+00
10	460.19	4.0177+00	6.6057-01	1.9543-03	6.6057-01	1.9543-03	8.6449-04	2.4808-02	3.8523+04	4.9886-04	5.3230+00
14	504.36	4.0315+01	6.9871+00	2.1343-02	6.9871+00	2.1343-02	9.4408-03	2.7092-01	4.2070+05	5.4587-03	1.0880+00
15	515.95	5.0980+01	8.9006+00	2.7422-02	8.9006+00	2.7422-02	1.2130-02	3.4808-01	5.4052+05	7.0171-03	1.3070+00
16	528.69	5.4937+01	9.6680+00	3.0071-02	9.6680+00	3.0071-02	1.3301-02	3.8170-01	5.9274+05	7.6995-03	1.6410+00
19	476.67	1.5109+01	2.3388+00	7.0014-03	2.3388+00	7.0014-03	3.0970-03	8.8873-02	1.3801+05	1.7885-03	4.1100-01
20	469.02	1.4360+01	2.3182+00	6.9019-03	2.3182+00	6.9019-03	3.0530-03	8.7609-02	1.3605+05	1.7624-03	7.1100-01
21	501.77	3.7913+01	6.3489+00	1.9357-02	6.3489+00	1.9357-02	8.5622-03	2.4570-01	3.8155+05	4.9501-03	1.0880+00
22	502.88	4.7935+01	8.0815+00	2.4659-02	8.0815+00	2.4659-02	1.0908-02	3.1301-01	4.8606+05	6.3064-03	1.3070+00
23	687.59	1.5428-01	2.8468-02	1.0059-04	2.8468-02	1.0059-04	4.4495-05	1.2768-03	1.9828+03	2.5956-05	1.6410+00
24	449.06	2.4732+00	4.0237-01	1.1811-03	4.0237-01	1.1811-03	5.2244-04	1.4992-02	2.3281+04	3.0133-04	3.0090+00
25	442.63	2.0836+00	3.2937-01	9.6246-04	3.2937-01	9.6246-04	4.2573-04	1.2217-02	1.8971+04	2.4548-04	3.3930+00
26	440.40	2.1049+00	3.3427-01	9.7525-04	3.3427-01	9.7525-04	4.3139-04	1.2379-02	1.9224+04	2.4872-04	3.7770+00
27	459.32	9.8125+00	1.5738+00	4.6532-03	1.5738+00	4.6532-03	2.0583-03	5.9066-02	9.1722+04	1.1877-03	7.1100-01
28	471.39	2.4140+01	3.9631+00	1.1819-02	3.9631+00	1.1819-02	5.2281-03	1.5003-01	2.3297+05	3.0184-03	1.0880+00
29	503.03	4.4926+01	7.6432+00	2.3324-02	7.6432+00	2.3324-02	1.0317-02	2.9606-01	4.5975+05	5.9650-03	1.3070+00
30	509.97	4.6423+01	7.9565+00	2.4405-02	7.9565+00	2.4405-02	1.0795-02	3.0978-01	4.8106+05	6.2434-03	1.6410+00
31	486.91	2.9335+01	5.0271+00	1.5161-02	5.0271+00	1.5161-02	6.7064-03	1.9245-01	2.9885+05	3.8746-03	1.7720+00
32	464.70	5.3236+00	8.8585-01	2.6293-03	8.8585-01	2.6293-03	1.1630-03	3.3375-02	5.1826+04	6.7127-04	2.4660+00
33	446.39	3.6909+00	6.0836-01	1.7824-03	6.0836-01	1.7824-03	7.8842-04	2.2625-02	3.5134+04	4.5469-04	3.0090+00
34	437.21	2.4868+00	4.0126-01	1.1681-03	4.0126-01	1.1681-03	5.1669-04	1.4827-02	2.3024+04	2.9786-04	3.3930+00
35	435.86	1.8909+00	2.9201-01	8.4926-04	2.9201-01	8.4926-04	3.7566-04	1.0780-02	1.6740+04	2.1655-04	3.7770+00
36	505.49	4.5256+01	7.6196+00	2.3294-02	7.6196+00	2.3294-02	1.0304-02	2.9569-01	4.5916+05	5.9581-03	1.3070+00
37	463.64	4.5746+00	7.6969-01	2.2828-03	7.6969-01	2.2828-03	1.0098-03	2.8976-02	4.4997+04	5.8278-04	2.4660+00
38	444.50	4.2551+00	6.9008-01	2.0191-03	6.9008-01	2.0191-03	8.9313-04	2.5630-02	3.9800+04	5.1504-04	3.0090+00
39	435.01	3.1382+00	5.0256-01	1.4607-03	5.0256-01	1.4607-03	6.4613-04	1.8542-02	2.8793+04	3.7244-04	3.3930+00
40	435.05	2.2410+00	3.5565-01	1.0337-03	3.5565-01	1.0337-03	4.5726-04	1.3122-02	2.0376+04	2.6358-04	3.7770+00
41	442.63	1.4416+00	2.2507-01	6.5768-04	2.2507-01	6.5768-04	2.9092-04	8.3483-03	1.2964+04	1.6775-04	4.1620+00
43	458.17	1.6166+00	2.6862-01	7.9357-04	2.6862-01	7.9357-04	3.5103-04	1.0073-02	1.5643+04	2.0255-04	5.3230+00
47	501.22	3.0911+01	5.1433+00	1.5674-02	5.1433+00	1.5674-02	6.9334-03	1.9896-01	3.0897+05	4.0083-03	7.1100-01
48	499.84	3.4184+01	5.7866+00	1.7617-02	5.7866+00	1.7617-02	7.7928-03	2.2362-01	3.4726+05	4.5048-03	1.0880+00
49	485.73	3.3171+01	5.5972+00	1.6866-02	5.5972+00	1.6866-02	7.4606-03	2.1409-01	3.3246+05	4.3101-03	1.3070+00
50	509.44	4.0891+01	7.0475+00	2.1608-02	7.0475+00	2.1608-02	9.5582-03	2.7428-01	4.2593+05	5.5278-03	1.6410+00
51	489.09	2.6545+01	4.5555+00	1.3761-02	4.5555+00	1.3761-02	6.0869-03	1.7467-01	2.7125+05	3.5171-03	1.7720+00
52	461.39	2.9938+00	5.0443-01	1.4936-03	5.0443-01	1.4936-03	6.6070-04	1.8960-02	2.9442+04	3.8128-04	2.4660+00
53	438.58	3.4925+00	5.6408-01	1.6436-03	5.6408-01	1.6436-03	7.2704-04	2.0863-02	3.2398+04	4.1915-04	3.0090+00
54	432.98	3.2935+00	5.2351-01	1.5195-03	5.2351-01	1.5195-03	6.7211-04	1.9287-02	2.9951+04	3.8739-04	3.3930+00
55	435.71	2.7325+00	4.2722-01	1.2423-03	4.2722-01	1.2423-03	5.4954-04	1.5770-02	2.4489+04	3.1678-04	3.7770+00
56	461.25	9.5501+00	1.4772+00	4.3738-03	1.4772+00	4.3738-03	1.9347-03	5.5519-02	8.6214+04	1.1165-03	4.1100-01
57	486.90	2.4376+01	3.9941+00	1.2046-02	3.9941+00	1.2046-02	5.3283-03	1.5290-01	2.3744+05	3.0784-03	7.1100-01
58	470.40	2.2417+01	3.7221+00	1.1093-02	3.7221+00	1.1093-02	4.9068-03	1.4081-01	2.1865+05	2.8328-03	1.0880+00
59	468.89	2.3777+01	3.9558+00	1.1776-02	3.9558+00	1.1776-02	5.2092-03	1.4948-01	2.3213+05	3.0072-03	1.3070+00
60	473.34	2.1589+01	3.6131+00	1.0791-02	3.6131+00	1.0791-02	4.7731-03	1.3697-01	2.1270+05	2.7560-03	1.6410+00
61	436.76	1.7860+00	2.8723-01	8.3586-04	2.8723-01	8.3586-04	3.6973-04	1.0610-02	1.6476+04	2.1314-04	3.0090+00
62	432.38	2.2182+00	3.5243-01	1.0225-03	3.5243-01	1.0225-03	4.5229-04	1.2979-02	2.0155+04	2.6068-04	3.3930+00
63	439.44	2.2307+00	3.4967-01	1.0195-03	3.4967-01	1.0195-03	4.5096-04	1.2941-02	2.0096+04	2.5999-04	3.7770+00
64	454.30	1.3501+01	2.2640+00	6.6701-03	2.2640+00	6.6701-03	2.9504-03	8.4667-02	1.3148+05	1.7021-03	1.0880+00
65	448.24	1.2426+01	2.0750+00	6.0873-03	2.0750+00	6.0873-03	2.6927-03	7.7270-02	1.1999+05	1.5530-03	1.3070+00
66	469.40	1.9377+01	3.2825+00	9.7755-03	3.2825+00	9.7755-03	4.3241-03	1.2409-01	1.9269+05	2.4963-03	1.6410+00
69	462.36	1.2033+01	2.0286+00	6.0116-03	2.0288+00	6.0116-03	2.6592-03	7.6309-02	1.1850+05	1.5347-03	4.1100-01
70	439.85	2.1091+00	3.5016-01	1.0212-03	3.5016-01	1.0212-03	4.5172-04	1.2963-02	2.0130+04	2.6044-04	7.1100-01
71	443.38	6.9938+00	1.1606+00	3.3931-03	1.1606+00	3.3931-03	1.5009-03	4.3071-02	6.6883+04	8.6548-04	1.3070+00
72	449.72	7.0535+00	1.1791+00	3.4625-03	1.1791+00	3.4625-03	1.5316-03	4.3952-02	6.8252+04	8.8343-04	1.6410+00
73	453.82	3.8852+00	6.2651-01	1.8452-03	6.2651-01	1.8452-03	8.1621-04	2.3422-02	3.6372+04	4.7087-04	3.7770+00
74	468.67	3.1138+00	5.1488-01	1.5326-03	5.1488-01	1.5326-03	6.7791-04	1.9454-02	3.0209+04	3.9134-04	5.3230+00
77	421.19	2.4161+00	3.9244-01	1.1297-03	3.9244-01	1.1297-03	4.9973-04	1.4340-02	2.2269+04	2.8789-04	3.0090+00
78	420.95	2.5107+00	4.0291-01	1.1597-03	4.0291-01	1.1597-03	5.1298-04	1.4721-02	2.2859+04	2.9552-04	3.3930+00
79	431.29	3.1943+00	5.0713-01	1.4702-03	5.0713-01	1.4702-03	6.5033-04	1.8662-02	2.8980+04	3.7480-04	3.7770+00
80	454.35	3.3771+00	5.6797-01	1.6734-03	5.6797-01	1.6734-03	7.4022-04	2.1242-02	3.2986+04	4.2704-04	2.4660+00
81	425.42	2.5896+00	4.2188-01	1.2181-03	4.2188-01	1.2181-03	5.3880-04	1.5461-02	2.4010+04	3.1045-04	3.0090+00
82	421.09	2.5725+00	4.1411-01	1.1920-03	4.1411-01	1.1920-03	5.2729-04	1.5131-02	2.3497+04	3.0376-04	3.3930+00
83	428.04	3.5044+00	5.6185-01	1.6251-03	5.6185-01	1.6251-03	7.1886-04	2.0629-02	3.2034+04	4.1424-04	3.7770+00
337	530.20	2.6097+01	5.0406+00	1.5696-02	5.0406+00	1.5696-02	6.9428-03	1.9923-01	3.0938+05	4.0191-03	7.1680+00
339	501.39	1.5401+01	2.9834+00	9.0933-03	2.9834+00	9.0933-03	4.0223-03	1.1543-01	1.7924+05	2.3254-03	8.1130+00
340	472.36	4.7096+00	8.7652-01	2.6159-03	8.7652-01	2.6159-03	1.1571-03	3.3205-02	5.1563+04	6.6808-04	8.6180+00
342	521.14	2.3321+01	4.6224+00	1.4296-02	4.6224+00	1.4296-02	6.3238-03	1.8147-01	2.8180+05	3.6592-03	7.1680+00
344	493.85	1.1973+01	2.3203+00	7.0331-03	2.3203+00	7.0331-03	3.1110-03	8.9275-02	1.3863+05	1.7979-03	8.1130+00
347	494.12	9.6057+00	1.8135+00	5.4980-03	1.8135+00	5.4980-03	2.4320-03	6.9789-02	1.0837+05	1.4055-03	7.1680+00
349	484.90	9.1906+00	1.7661+00	5.3187-03	1.7661+00	5.3187-03	2.3527-03	6.7512-02	1.0484+05	1.3591-03	8.1130+00
350	466.17	1.8519+00	3.2403-01	9.6274-04	3.2403-01	9.6274-04	4.2586-04	1.2221-02	1.8977+04	2.4581-04	8.6180+00
352	487.11	4.8810+00	8.9528-01	2.7005-03	8.9528-01	2.7005-03	1.1945-03	3.4279-02	5.3230+04	6.9014-04	7.1680+00
354	482.74	5.1543+00	9.8649-01	2.9662-03	9.8649-01	2.9662-03	1.3121-03	3.7651-02	5.8468+04	7.5789-04	8.1130+00
357	493.51	7.9423+00	1.4589+00	4.4210-03	1.4589+00	4.4210-03	1.9556-03	5.6118-02	8.7145+04	1.1302-03	7.1680+00
359	482.39	4.6618+00	8.3380-01	2.5064-03	8.3380-01	2.5064-03	1.1087-03	3.1815-02	4.9405+04	6.4041-04	8.1130+00
401	512.33	2.9615+01	2.5492+00	7.8327-03	2.5492+00	7.8327-03	3.4647-03	9.9425-02	1.5439+05	2.0040-03	4.5500-01
403	477.03	1.5941+01	1.3253+00	3.9686-03	1.3253+00	3.9686-03	1.7555-03	5.0375-02	7.8226+04	1.0138-03	6.8600-01
404	4157.09	5.1791-03	-2.8401-03	-2.1718-06	-2.8401-03	-2.1718-06	-9.6067-07	-2.7568-05	-4.2809+01	-4.7802-07	8.0100-01
405	540.46	4.7690+01	4.1280+00	1.2954-02	4.1280+00	1.2954-02	5.7300-03	1.6443-01	2.5534+05	3.3186-03	1.0510+00
406	573.36	6.3272+01	5.6188+00	1.8083-02	5.6188+00	1.8083-02	7.9990-03	2.2956-01	3.5645+05	4.6398-03	1.1670+00
407	596.82	7.4200+01	6.7983+00	2.2286-02	6.7983+00	2.2286-02	9.8582-03	2.8289-01	4.3930+05	5.7247-03	1.2830+00
408	496.26	2.5883+01	2.1530+00	6.5377-03	2.1530+00	6.5377-03	2.8919-03	8.2986-02	1.2887+05	1.6715-03	5.1300-01
409	460.45	1.1793+01	9.7544-01	2.8864-03	9.7544-01	2.8864-03	1.2768-03	3.6639-02	5.6896+04	7.3679-04	5.7000-01
410	496.26	2.4881+01	2.0320+00	6.1702-03	2.0320+00	6.1702-03	2.7293-03	7.8321-02	1.2162+05	1.5775-03	6.2800-01
411	465.43	1.3712+01	1.1380+00	3.3794-03	1.1380+00	3.3794-03	1.4948-03	4.2896-02	6.6612+04	8.6281-04	6.8600-01
412	494.18	1.9256+01	1.6190+00	4.9086-03	1.6190+00	4.9086-03	2.1713-03	6.2307-02	9.6755+04	1.2548-03	7.4400-01
413	468.25	1.4694+01	1.2291+00	3.6573-03	1.2291+00	3.6573-03	1.6178-03	4.6424-02	7.2090+04	9.3388-04	8.0100-01
414	507.90	3.0811+01	2.6134+00	8.0038-03	2.6134+00	8.0038-03	3.5404-03	1.0160-01	1.5777+05	2.0474-03	8.5900-01
415	466.48	1.5908+01	1.3212+00	3.9264-03	1.3212+00	3.9264-03	1.7368-03	4.9840-02	7.7395+04	1.0025-03	9.1700-01
416	515.68	3.0078+01	2.3950+00	7.3772-03	2.3950+00	7.3772-03	3.2633-03	9.3643-02	1.4542+05	1.8878-03	5.7000-01
417	563.46	5.5319+01	4.8550+00	1.5506-02	4.8550+00	1.5506-02	6.8588-03	1.9682-01	3.0564+05	3.9766-03	1.0520+00

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33 1 -3.02 -15.02 .00 -.00 402 1 1.90 10.13 749.7 1787.3

8.66894+01 1.56704-02 1.12563+00 4.62154+03 1.51662-05 7.02184-08 8.37422-02 7.72000+00 7.28550-06 7.44062-02

1	459.30	2.6178+01	4.4045+00	1.2993-02	4.4045+00	1.2993-02	5.7616-03	1.6520-01	2.5559+05	3.3167-03	4.1100-01
2	472.46	5.8791+01	9.9795+00	2.9716-02	9.9795+00	2.9716-02	1.3177-02	3.7783-01	5.8457+05	7.5961-03	7.1100-01
3	468.53	6.2730+01	1.0620+01	3.1536-02	1.0620+01	3.1536-02	1.3984-02	4.0096-01	6.2037+05	8.0534-03	1.3070+00
4	464.75	4.6124+01	7.7890+00	2.3066-02	7.7890+00	2.3066-02	1.0229-02	2.9328-01	4.5375+05	5.8895-03	1.6410+00
5	467.26	2.8343+01	5.0187+00	1.4889-02	5.0187+00	1.4889-02	6.6024-03	1.8931-01	2.9289+05	3.8020-03	1.7720+00
6	464.57	3.7678+00	6.2690-01	1.8563-03	6.2690-01	1.8563-03	8.2313-04	2.3601-02	3.6515+04	4.7395-04	2.4660+00
7	441.32	5.2426+00	8.5601-01	2.4934-03	8.5601-01	2.4934-03	1.1057-03	3.1702-02	4.9049+04	6.3599-04	3.0090+00
8	433.80	6.9262+00	1.1150+00	3.2307-03	1.1150+00	3.2307-03	1.4326-03	4.1076-02	6.3552+04	8.2377-04	3.3930+00
9	434.34	7.3818+00	1.1887+00	3.4458-03	1.1887+00	3.4458-03	1.5280-03	4.3811-02	6.7784+04	8.7863-04	3.7770+00
10	460.96	7.2452+00	1.1919+00	3.5201-03	1.1919+00	3.5201-03	1.5609-03	4.4756-02	6.9245+04	8.9862-04	5.3230+00
14	456.75	5.5534+01	9.3276+00	2.7466-02	9.3276+00	2.7466-02	1.2180-02	3.4922-01	5.4031+05	7.0105-03	1.0880+00
15	450.09	4.5750+01	7.6495+00	2.2419-02	7.6495+00	2.2419-02	9.9416-03	2.8505-01	4.4102+05	5.7206-03	1.3070+00
16	463.41	5.6814+01	9.5857+00	2.8360-02	9.5857+00	2.8360-02	1.2576-02	3.6058-01	5.5789+05	7.2407-03	1.6410+00
19	475.62	4.5069+01	6.9714+00	2.0806-02	6.9714+00	2.0806-02	9.2263-03	2.6454-01	4.0929+05	5.3150-03	4.1100-01
20	453.68	2.9937+01	4.7830+00	1.4054-02	4.7830+00	1.4054-02	6.2319-03	1.7868-01	2.7646+05	3.5866-03	7.1100-01
21	446.47	4.3142+01	6.9641+00	2.0359-02	6.9641+00	2.0359-02	9.0278-03	2.5885-01	4.0049+05	5.1940-03	1.0880+00
22	438.89	3.2979+01	5.3276+00	1.5492-02	5.3276+00	1.5492-02	6.8698-03	1.9697-01	3.0476+05	3.9511-03	1.3070+00
23	697.73	3.3974-01	6.3011-02	2.2399-04	6.3011-02	2.2399-04	9.9325-05	2.8479-03	4.4062+03	5.7832-05	1.6410+00
24	452.33	2.1190+00	3.4550-01	1.0142-03	3.4550-01	1.0142-03	4.4973-04	1.2895-02	1.9951+04	2.5881-04	3.0090+00
25	446.15	2.5725+00	4.0764-01	1.1914-03	4.0764-01	1.1914-03	5.2832-04	1.5148-02	2.3437+04	3.0395-04	3.3930+00
26	443.34	3.5049+00	5.5773-01	1.6269-03	5.5773-01	1.6269-03	7.2142-04	2.0685-02	3.2003+04	4.1500-04	3.7770+00
27	480.03	9.3639+01	1.5227+01	4.5591-02	1.5227+01	4.5591-02	2.0217-02	5.7966-01	8.9684+05	1.1648-02	7.1100-01
28	447.81	4.8375+01	7.8160+00	2.2871-02	7.8160+00	2.2871-02	1.0142-02	2.9079-01	4.4990+05	5.8352-03	1.0880+00
29	439.17	3.1742+01	5.1751+00	1.5052-02	5.1751+00	1.5052-02	6.6744-03	1.9137-01	2.9609+05	3.8388-03	1.3070+00
30	448.66	3.3442+01	5.5043+00	1.6116-02	5.5043+00	1.6116-02	7.1464-03	2.0490-01	3.1703+05	4.1120-03	1.6410+00
31	458.34	2.2218+01	3.7358+00	1.1013-02	3.7358+00	1.1013-02	4.8835-03	1.4002-01	2.1664+05	2.8111-03	1.7720+00
32	470.44	4.3574+00	7.2786-01	2.1643-03	7.2786-01	2.1643-03	9.5971-04	2.7517-02	4.2574+04	5.5274-04	2.4660+00
33	448.49	2.2369+00	3.6923-01	1.0809-03	3.6923-01	1.0809-03	4.7932-04	1.3743-02	2.1264+04	2.7579-04	3.0090+00
34	439.22	1.6135+00	2.6072-01	7.5832-04	2.6072-01	7.5832-04	3.3627-04	9.6416-03	1.4917+04	1.9341-04	3.3930+00
35	437.71	2.3122+00	3.5754-01	1.0388-03	3.5754-01	1.0388-03	4.6065-04	1.3208-02	2.0435+04	2.6493-04	3.7770+00
36	437.13	2.8056+01	4.5133+00	1.3108-02	4.5133+00	1.3108-02	5.8126-03	1.6666-01	2.5786+05	3.3428-03	1.3070+00
37	469.00	4.0400+00	6.8219-01	2.0264-03	6.8219-01	2.0264-03	8.9857-04	2.5764-02	3.9862+04	5.1749-04	2.4660+00
38	445.64	2.7231+00	4.4197-01	1.2913-03	4.4197-01	1.2913-03	5.7261-04	1.6418-02	2.5402+04	3.2943-04	3.0090+00
39	435.47	2.0499+00	3.2838-01	9.5263-04	3.2838-01	9.5263-04	4.2243-04	1.2112-02	1.8740+04	2.4292-04	3.3930+00
40	434.97	1.1356+00	1.8020-01	5.2258-04	1.8020-01	5.2258-04	2.3173-04	6.6443-03	1.0280+04	1.3326-04	3.7770+00
41	442.49	1.6057+00	2.5068-01	7.3079-04	2.5068-01	7.3079-04	3.2406-04	9.2915-03	1.4376+04	1.8641-04	4.1620+00
43	458.20	2.0099+00	3.3396-01	9.8441-04	3.3396-01	9.8441-04	4.3652-04	1.2516-02	1.9365+04	2.5128-04	5.3230+00
47	454.63	2.7291+01	4.4033+00	1.2947-02	4.4033+00	1.2947-02	5.7411-03	1.6461-01	2.5468+05	3.3042-03	7.1100-01
48	457.00	4.2412+01	6.9791+00	2.0555-02	6.9791+00	2.0555-02	9.1147-03	2.6134-01	4.0434+05	5.2464-03	1.0880+00
49	438.32	2.9068+01	4.7503+00	1.3808-02	4.7503+00	1.3808-02	6.1229-03	1.7556-01	2.7162+05	3.5215-03	1.3070+00
50	448.81	2.0781+01	3.4412+00	1.0076-02	3.4412+00	1.0076-02	4.4682-03	1.2811-01	1.9822+05	2.5710-03	1.6410+00
51	458.34	1.4573+01	2.4504+00	7.2235-03	2.4504+00	7.2235-03	3.2032-03	9.1842-02	1.4210+05	1.8438-03	1.7720+00
52	466.93	4.8068+00	8.1292-01	2.4111-03	8.1292-01	2.4111-03	1.0692-03	3.0656-02	4.7431+04	6.1569-04	2.4660+00
53	440.70	2.5117+00	4.0618-01	1.1826-03	4.0618-01	1.1826-03	5.2442-04	1.5036-02	2.3264+04	3.0164-04	3.0090+00
54	432.37	1.6109+00	2.5595-01	7.4090-04	2.5595-01	7.4090-04	3.2854-04	9.4200-03	1.4575+04	1.8890-04	3.3930+00
55	434.65	1.0047+00	1.5696-01	4.5509-04	1.5696-01	4.5509-04	2.0180-04	5.7862-03	8.9524+03	1.1604-04	3.7770+00
56	448.83	7.3122+00	1.1215+00	3.2842-03	1.1215+00	3.2842-03	1.4563-03	4.1756-02	6.4604+04	8.3795-04	4.1100-01
57	451.23	1.5514+01	2.4821+00	7.2804-03	2.4821+00	7.2804-03	3.2284-03	9.2566-02	1.4322+05	1.8578-03	7.1100-01
58	444.05	2.8598+01	4.6644+00	1.3613-02	4.6644+00	1.3613-02	6.0364-03	1.7308-01	2.6778+05	3.4726-03	1.0880+00
59	436.79	2.2788+01	3.7090+00	1.0770-02	3.7090+00	1.0770-02	4.7757-03	1.3693-01	2.1186+05	2.7464-03	1.3070+00
60	449.98	1.9962+01	3.2886+00	9.6375-03	3.2886+00	9.6375-03	4.2736-03	1.2253-01	1.8959+05	2.4591-03	1.6410+00
61	442.18	3.8073+00	6.1461-01	1.7913-03	6.1461-01	1.7913-03	7.9435-04	2.2776-02	3.5238+04	4.5693-04	3.0090+00
62	433.63	1.8582+00	2.9549-01	8.5612-04	2.9549-01	8.5612-04	3.7964-04	1.0885-02	1.6841+04	2.1829-04	3.3930+00
63	439.20	1.2016+00	1.8832-01	5.4774-04	1.8832-01	5.4774-04	2.4289-04	6.9641-03	1.0775+04	1.3970-04	3.7770+00
64	438.00	1.5498+01	2.5697+00	7.4678-03	2.5697+00	7.4678-03	3.3115-03	9.4948-02	1.4690+05	1.9045-03	1.0880+00
65	433.25	1.4820+01	2.4492+00	7.0940-03	2.4492+00	7.0940-03	3.1457-03	9.0195-02	1.3955+05	1.8088-03	1.3070+00
66	446.57	1.6775+01	2.7981+00	8.1804-03	2.7981+00	8.1804-03	3.6275-03	1.0401-01	1.6092+05	2.0870-03	1.6410+00
69	446.27	3.7584+00	6.2677-01	1.8320-03	6.2677-01	1.8320-03	8.1240-04	2.3293-02	3.6039+04	4.6739-04	4.1100-01
70	437.33	1.2675+00	2.1007-01	6.1021-04	2.1007-01	6.1021-04	2.7059-04	7.7585-03	1.2004+04	1.5562-04	7.1100-01
71	433.40	3.5361+00	5.8274-01	1.6881-03	5.8274-01	1.6881-03	7.4855-04	2.1463-02	3.3207+04	4.3042-04	1.3070+00
72	441.85	5.9829+00	9.9468-01	2.8984-03	9.9468-01	2.8984-03	1.2853-03	3.6852-02	5.7016+04	7.3930-04	1.6410+00
73	451.24	3.1070+00	5.0014-01	1.4670-03	5.0014-01	1.4670-03	6.5053-04	1.8652-02	2.8858+04	3.7435-04	3.7770+00
74	468.23	3.4047+00	5.6282-01	1.6709-03	5.6282-01	1.6709-03	7.4093-04	2.1244-02	3.2869+04	4.2669-04	5.3230+00
77	429.43	4.0088+00	6.5494-01	1.8920-03	6.5494-01	1.8920-03	8.3898-04	2.4056-02	3.7219+04	4.8234-04	3.0090+00
78	427.14	5.2597+00	8.4780-01	2.4453-03	8.4780-01	2.4453-03	1.0843-03	3.1090-02	4.8102+04	6.2332-04	3.3930+00
79	434.29	6.1138+00	9.7268-01	2.8194-03	9.7268-01	2.8194-03	1.2502-03	3.5847-02	5.5462+04	7.1891-04	3.7770+00
80	465.83	3.7439+00	6.3455-01	1.8806-03	6.3455-01	1.8806-03	8.3394-04	2.3911-02	3.6995+04	4.8020-04	2.4660+00
81	434.64	4.9013+00	8.0368-01	2.3301-03	8.0368-01	2.3301-03	1.0333-03	2.9626-02	4.5837+04	5.9416-04	3.0090+00
82	425.69	6.2868+00	1.0153+00	2.9255-03	1.0153+00	2.9255-03	1.2973-03	3.7196-02	5.7549+04	7.4569-04	3.3930+00
83	434.29	7.1881+00	1.1575+00	3.3551-03	1.1575+00	3.3551-03	1.4878-03	4.2658-02	6.6001+04	8.5552-04	3.7770+00
337	525.96	2.7421+01	5.2823+00	1.6357-02	5.2823+00	1.6357-02	7.2534-03	2.0797-01	3.2177+05	4.1880-03	7.1680+00
339	516.22	2.5292+01	4.9460+00	1.5205-02	4.9460+00	1.5205-02	6.7425-03	1.9332-01	2.9911+05	3.8912-03	8.1130+00
340	481.49	9.0878+00	1.7016+00	5.1000-03	1.7016+00	5.1000-03	2.2615-03	6.4843-02	1.0032+05	1.3031-03	8.6180+00
342	519.15	2.3165+01	4.5858+00	1.4129-02	4.5858+00	1.4129-02	6.2651-03	1.7964-01	2.7793+05	3.6162-03	7.1680+00
344	508.39	1.8769+01	3.6714+00	1.1221-02	3.6714+00	1.1221-02	4.9760-03	1.4267-01	2.2074+05	2.8708-03	8.1130+00
347	495.21	1.4754+01	2.7874+00	8.4378-03	2.7874+00	8.4378-03	3.7416-03	1.0728-01	1.6598+05	2.1573-03	7.1680+00
349	485.28	7.6842+00	1.4770+00	4.4388-03	1.4770+00	4.4388-03	1.9683-03	5.6437-02	8.7319+04	1.1344-03	8.1130+00
350	468.41	1.5340+00	2.6881-01	7.9812-04	2.6881-01	7.9812-04	3.5392-04	1.0148-02	1.5700+04	2.0382-04	8.6180+00
352	483.38	2.6758+00	4.8961-01	1.4694-03	4.8961-01	1.4694-03	6.5160-04	1.8683-02	2.8906+04	3.7550-04	7.1680+00
354	479.83	2.6530+00	5.0679-01	1.5171-03	5.0679-01	1.5171-03	6.7274-04	1.9289-02	2.9844+04	3.8762-04	8.1130+00
357	490.43	9.7226+00	1.7823+00	5.3765-03	1.7823+00	5.3765-03	2.3842-03	6.8359-02	1.0576+05	1.3743-03	7.1680+00
359	483.07	7.3631+00	1.3175+00	3.9534-03	1.3175+00	3.9534-03	1.7531-03	5.0265-02	7.7769+04	1.0102-03	8.1130+00
401	516.01	1.0413+02	8.9841+00	2.7615-02	8.9841+00	2.7615-02	1.2245-02	3.5110-01	5.4322+05	7.0671-03	4.5500-01
403	496.51	7.0951+01	5.9744+00	1.8102-02	5.9744+00	1.8102-02	8.0272-03	2.3016-01	3.5610+05	4.6286-03	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.3542-06	-5.6975-03	-4.3542-06	-1.9308-06	-5.5361-05	-8.5655+01	-9.5847-07	8.0100-01
405	521.35	1.1222+02	9.5995+00	2.9623-02	9.5995+00	2.9623-02	1.3136-02	3.7664-01	5.8274+05	7.5830-03	1.0510+00
406	497.53	9.6615+01	8.1895+00	2.4833-02	8.1895+00	2.4833-02	1.1012-02	3.1573-01	4.8850+05	6.3497-03	1.1670+00
407	494.05	8.7681+01	7.5480+00	2.2829-02	7.5480+00	2.2829-02	1.0123-02	2.9026-01	4.4909+05	5.8366-03	1.2830+00
408	480.22	4.9740+01	4.0945+00	1.2260-02	4.0945+00	1.2260-02	5.4367-03	1.5588-01	2.4118+05	3.1326-03	5.1300-01
409	449.01	7.5169+00	6.1694-01	1.8067-03	6.1694-01	1.8067-03	8.0118-04	2.2972-02	3.5542+04	4.6100-04	5.7000-01
410	479.73	4.4401+01	3.5874+00	1.0738-02	3.5874+00	1.0738-02	4.7617-03	1.3653-01	2.1124+05	2.7436-03	6.2800-01
411	451.05	9.6805+00	7.9563-01	2.3334-03	7.9563-01	2.3334-03	1.0347-03	2.9668-02	4.5902+04	5.9543-04	6.8600-01
412	488.28	5.2820+01	4.4240+00	1.3324-02	4.4240+00	1.3324-02	5.9086-03	1.6941-01	2.6211+05	3.4057-03	7.4400-01
413	450.93	1.2830+01	1.0606+00	3.1104-03	1.0606+00	3.1104-03	1.3793-03	3.9546-02	6.1186+04	7.9368-04	8.0100-01
414	499.17	8.6083+01	7.2610+00	2.2043-02	7.2610+00	2.2043-02	9.7749-03	2.8027-01	4.3363+05	5.6370-03	8.5900-01
415	448.94	1.6658+01	1.3671+00	4.0036-03	1.3671+00	4.0036-03	1.7753-03	5.0903-02	7.8756+04	1.0215-03	9.1700-01
416	485.25	5.0463+01	3.9404+00	1.1842-02	3.9404+00	1.1842-02	5.2512-03	1.5057-01	2.3295+05	3.0264-03	5.7000-01
417	503.95	9.3878+01	7.9428+00	2.4198-02	7.9428+00	2.4198-02	1.0730-02	3.0766-01	4.7601+05	6.1892-03	1.0520+00

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33 1 -3.03 -15.03 .00 -.00 402 1 2.15 10.13 749.7 1787.1

8.66804+01 1.5u706-02 1.12564+00 4.62130+03 1.51680-05 7.02111-08 8.37567-02 7.72000+00 7.28464-06 7.44073-02

1	466.24	2.7043+01	4.5714+00	1.3558-02	4.5714+00	1.3558-02	6.0116-03	1.7238-01	2.6673+05	3.4609-03	4.1100-01
2	487.33	5.8901+01	1.0097+01	3.0402-02	1.0097+01	3.0402-02	1.3481-02	3.8655-01	5.9813+05	7.7680-03	7.1100-01
3	483.63	6.0127+01	1.0282+01	3.0877-02	1.0282+01	3.0877-02	1.3691-02	3.9259-01	6.0748+05	7.8881-03	1.3070+00
4	476.10	4.5876+01	7.8062+00	2.3316-02	7.8062+00	2.3316-02	1.0338-02	2.9644-01	4.5871+05	5.9544-03	1.6410+00
5	474.23	2.7943+01	4.9710+00	1.4828-02	4.9710+00	1.4828-02	6.5747-03	1.8852-01	2.9172+05	3.7864-03	1.7720+00
6	465.48	3.7294+00	6.2068-01	1.8404-03	6.2068-01	1.8404-03	8.1606-04	2.3400-02	3.6208+04	4.6979-04	2.4660+00
7	442.54	5.0229+00	8.2082-01	2.3940-03	8.2082-01	2.3940-03	1.0615-03	3.0438-02	4.7099+04	6.1047-04	3.0090+00
8	435.39	6.6623+00	1.0737+00	3.1158-03	1.0737+00	3.1158-03	1.3816-03	3.9616-02	6.1301+04	7.9431-04	3.3930+00
9	436.09	7.1553+00	1.1537+00	3.3497-03	1.1537+00	3.3497-03	1.4853-03	4.2589-02	6.5901+04	8.5394-04	3.7770+00
10	462.76	7.0930+00	1.1682+00	3.4562-03	1.1682+00	3.4562-03	1.5325-03	4.3943-02	6.7996+04	8.8212-04	5.3230+00
14	470.71	5.4701+01	9.2745+00	2.7594-02	9.2745+00	2.7594-02	1.2236-02	3.5085-01	5.4289+05	7.0454-03	1.0880+00
15	461.02	4.4935+01	7.5692+00	2.2366-02	7.5692+00	2.2366-02	9.9171-03	2.8437-01	4.4002+05	5.7079-03	1.3070+00
16	477.05	5.4549+01	9.2878+00	2.7760-02	9.2878+00	2.7760-02	1.2309-02	3.5295-01	5.4614+05	7.0896-03	1.6410+00
19	486.73	4.3926+01	6.8444+00	2.0600-02	6.8444+00	2.0600-02	9.1344-03	2.6192-01	4.0529+05	5.2634-03	4.1100-01
20	461.99	3.4747+01	5.5829+00	1.6508-02	5.5829+00	1.6508-02	7.3197-03	2.0989-01	3.2477+05	4.2131-03	7.1100-01
21	457.44	4.3372+01	7.0540+00	2.0790-02	7.0540+00	2.0790-02	9.2186-03	2.6434-01	4.0903+05	5.3051-03	1.0880+00
22	446.57	3.0203+01	4.9053+00	1.4347-02	4.9053+00	1.4347-02	6.3616-03	1.8241-01	2.8226+05	3.6592-03	1.3070+00
23	697.81	1.8909-01	3.5071-02	1.2474-04	3.5071-02	1.2474-04	5.5311-05	1.5860-03	2.4542+03	3.2196-05	1.6410+00
24	452.82	2.2353+00	3.6460-01	1.0711-03	3.6460-01	1.0711-03	4.7493-04	1.3618-02	2.1072+04	2.7325-04	3.0090+00
25	446.69	2.2920+00	3.6332-01	1.0627-03	3.6332-01	1.0627-03	4.7122-04	1.3512-02	2.0908+04	2.7105-04	3.3930+00
26	444.14	3.3095+00	5.2628-01	1.5367-03	5.2628-01	1.5367-03	6.8136-04	1.9538-02	3.0232+04	3.9188-04	3.7770+00
27	505.09	9.5328+01	1.5756+01	4.8062-02	1.5756+01	4.8062-02	2.1311-02	6.1108-01	9.4557+05	1.2290-02	7.1100-01
28	460.28	4.8737+01	7.9417+00	2.3454-02	7.9417+00	2.3454-02	1.0400-02	2.9820-01	4.6143+05	5.9855-03	1.0880+00
29	446.99	3.1965+01	5.2396+00	1.5329-02	5.2396+00	1.5329-02	6.7972-03	1.9490-01	3.0159+05	3.9098-03	1.3070+00
30	456.76	3.2985+01	5.4593+00	1.6083-02	5.4593+00	1.6083-02	7.1312-03	2.0448-01	3.1641+05	4.1037-03	1.6410+00
31	463.80	2.1931+01	3.7012+00	1.0958-02	3.7012+00	1.0958-02	4.8588-03	1.3932-01	2.1559+05	2.7969-03	1.7720+00
32	471.54	4.5496+00	7.6052-01	2.2641-03	7.6052-01	2.2641-03	1.0039-03	2.8787-02	4.4544+04	5.7810-04	2.4660+00
33	449.05	2.3008+00	3.7993-01	1.1132-03	3.7993-01	1.1132-03	4.9358-04	1.4153-02	2.1900+04	2.8394-04	3.0090+00
34	439.58	1.5075+00	2.4366-01	7.0916-04	2.4366-01	7.0916-04	3.1445-04	9.0166-03	1.3952+04	1.8082-04	3.3930+00
35	438.23	2.1127+00	3.2681-01	9.5029-04	3.2681-01	9.5029-04	4.2137-04	1.2082-02	1.8696+04	2.4228-04	3.7770+00
36	444.19	2.8221+01	4.5621+00	1.3321-02	4.5621+00	1.3321-02	5.9067-03	1.6937-01	2.6208+05	3.3972-03	1.3070+00
37	470.02	4.1361+00	6.9890-01	2.0784-03	6.9890-01	2.0784-03	9.2158-04	2.6426-02	4.0890+04	5.3064-04	2.4660+00
38	446.34	2.7694+00	4.4969-01	1.3151-03	4.4969-01	1.3151-03	5.8311-04	1.6720-02	2.5872+04	3.3540-04	3.0090+00
39	435.93	2.0192+00	3.2357-01	9.3937-04	3.2357-01	9.3937-04	4.1653-04	1.1944-02	1.8481+04	2.3948-04	3.3930+00
40	435.24	1.1184+00	1.7752-01	5.1511-04	1.7752-01	5.1511-04	2.2840-04	6.5492-03	1.0134+04	1.3131-04	3.7770+00
41	442.86	1.5777+00	2.4636-01	7.1869-04	2.4636-01	7.1869-04	3.1867-04	9.1377-03	1.4140+04	1.8327-04	4.1620+00
43	458.68	1.9309+00	3.2095-01	9.4677-04	3.2095-01	9.4677-04	4.1980-04	1.2038-02	1.8627+04	2.4160-04	5.3230+00
47	461.70	2.7666+01	4.4852+00	1.3260-02	4.4852+00	1.3260-02	5.8794-03	1.6859-01	2.6087+05	3.3841-03	7.1100-01
48	467.70	4.3183+01	7.1574+00	2.1250-02	7.1574+00	2.1250-02	9.4223-03	2.7018-01	4.1807+05	5.4248-03	1.0880+00
49	445.66	2.8939+01	4.7535+00	1.3894-02	4.7535+00	1.3894-02	6.1607-03	1.7665-01	2.7335+05	3.5435-03	1.3070+00
50	453.93	2.0624+01	3.4272+00	1.0076-02	3.4272+00	1.0076-02	4.4678-03	1.2811-01	1.9823+05	2.5707-03	1.6410+00
51	461.97	1.4508+01	2.4454+00	7.2304-03	2.4454+00	7.2304-03	3.2060-03	9.1931-02	1.4225+05	1.8454-03	1.7720+00
52	468.16	4.8203+00	8.1587-01	2.4230-03	8.1587-01	2.4230-03	1.0744-03	3.0807-02	4.7671+04	6.1858-04	2.4660+00
53	441.33	2.4717+00	3.9997-01	1.1656-03	3.9997-01	1.1656-03	5.1681-04	1.4819-02	2.2931+04	2.9721-04	3.0090+00
54	432.77	1.6057+00	2.5519-01	7.3923-04	2.5519-01	7.3923-04	3.2778-04	9.3988-03	1.4544+04	1.8843-04	3.3930+00
55	434.86	9.4026-01	1.4692-01	4.2622-04	1.4692-01	4.2622-04	1.8899-04	5.4191-03	8.3854+03	1.0865-04	3.7770+00
56	450.70	7.4447+00	1.1433+00	3.3537-03	1.1433+00	3.3537-03	1.4871-03	4.2641-02	6.5981+04	8.5552-04	4.1100-01
57	455.14	1.5616+01	2.5051+00	7.3712-03	2.5051+00	7.3712-03	3.2684-03	9.3720-02	1.4502+05	1.8807-03	7.1100-01
58	451.27	2.8954+01	4.7459+00	1.3927-02	4.7459+00	1.3927-02	6.1753-03	1.7707-01	2.7400+05	3.5528-03	1.0880+00
59	442.52	2.2818+01	3.7287+00	1.0875-02	3.7287+00	1.0875-02	4.8220-03	1.3827-01	2.1395+05	2.7731-03	1.3070+00
60	454.89	1.9706+01	3.2574+00	9.5834-03	3.2574+00	9.5834-03	4.2493-03	1.2185-01	1.8854+05	2.4451-03	1.6410+00
61	443.14	3.8478+00	6.2157-01	1.8136-03	6.2157-01	1.8136-03	8.0417-04	2.3059-02	3.5681+04	4.6249-04	3.0090+00
62	434.08	1.8457+00	2.9360-01	8.5127-04	2.9360-01	8.5127-04	3.7746-04	1.0823-02	1.6748+04	2.1700-04	3.3930+00
63	439.46	1.2031+00	1.8860-01	5.4888-04	1.8860-01	5.4888-04	2.4338-04	6.9787-03	1.0799+04	1.3995-04	3.7770+00
64	441.84	1.5699+01	2.6100+00	7.6084-03	2.6100+00	7.6084-03	3.3736-03	9.6736-02	1.4969+05	1.9401-03	1.0880+00
65	436.98	1.5085+01	2.4995+00	7.2617-03	2.4995+00	7.2617-03	3.2199-03	9.2328-02	1.4287+05	1.8513-03	1.3070+00
66	450.78	1.6613+01	2.7791+00	8.1526-03	2.7791+00	8.1526-03	3.6149-03	1.0365-01	1.6039+05	2.0797-03	1.6410+00
69	447.23	3.8914+00	6.4938-01	1.9002-03	6.4938-01	1.9002-03	8.4256-04	2.4160-02	3.7384+04	4.8466-04	4.1100-01
70	437.63	1.2057+00	1.9987-01	5.8093-04	1.9987-01	5.8093-04	2.5759-04	7.3862-03	1.1429+04	1.4811-04	7.1100-01
71	434.22	3.3595+00	5.5395-01	1.6063-03	5.5395-01	1.6063-03	7.1223-04	2.0423-02	3.1602+04	4.0946-04	1.3070+00
72	443.32	5.9008+00	9.8203-01	2.8657-03	9.8203-01	2.8657-03	1.2707-03	3.6436-02	5.6380+04	7.3080-04	1.6410+00
73	451.97	3.0301+00	4.8801-01	1.4328-03	4.8801-01	1.4328-03	6.3530-04	1.8217-02	2.8188+04	3.6552-04	3.7770+00
74	469.06	3.3242+00	5.4982-01	1.6339-03	5.4982-01	1.6339-03	7.2450-04	2.0775-02	3.2146+04	4.1715-04	5.3230+00
77	430.40	3.9725+00	6.4944-01	1.8782-03	6.4944-01	1.8782-03	8.3280-04	2.3880-02	3.6951+04	4.7869-04	3.0090+00
78	428.42	5.2519+00	8.4731-01	2.4470-03	8.4731-01	2.4470-03	1.0850-03	3.1112-02	4.8143+04	6.2362-04	3.3930+00
79	435.78	6.0452+00	9.6277-01	2.7948-03	9.6277-01	2.7948-03	1.2392-03	3.5534-02	5.4984+04	7.1247-04	3.7770+00
80	466.78	3.7787+00	6.4086-01	1.9014-03	6.4086-01	1.9014-03	8.4310-04	2.4175-02	3.7408+04	4.8538-04	2.4660+00
81	435.85	4.8997+00	8.0410-01	2.3343-03	8.0410-01	2.3343-03	1.0350-03	2.9679-02	4.5924+04	5.9508-04	3.0090+00
82	427.24	6.1584+00	1.0022+00	2.8919-03	1.0022+00	2.8919-03	1.2823-03	3.6768-02	5.6894+04	7.3695-04	3.3930+00
83	436.05	7.1153+00	1.1472+00	3.3307-03	1.1472+00	3.3307-03	1.4769-03	4.2348-02	6.5529+04	8.4911-04	3.7770+00
337	532.78	2.7250+01	5.2717+00	1.6415-02	5.2717+00	1.6415-02	7.2786-03	2.0871-01	3.2295+05	4.2028-03	7.1680+00
339	522.52	2.5335+01	4.9739+00	1.5369-02	4.9739+00	1.5369-02	6.8149-03	1.9541-01	3.0238+05	3.9332-03	8.1130+00
340	483.80	9.2831+00	1.7408+00	5.2284-03	1.7408+00	5.2284-03	2.3183-03	6.6476-02	1.0286+05	1.3357-03	8.6180+00
342	524.93	2.3221+01	4.6135+00	1.4282-02	4.6135+00	1.4282-02	6.3326-03	1.8158-01	2.8098+05	3.6553-03	7.1680+00
344	513.03	1.8606+01	3.6501+00	1.1200-02	3.6501+00	1.1200-02	4.9660-03	1.4240-01	2.2034+05	2.8649-03	8.1130+00
347	498.87	1.4681+01	2.7800+00	8.4416-03	2.7800+00	8.4416-03	3.7431-03	1.0733-01	1.6608+05	2.1580-03	7.1680+00
349	487.19	7.7439+00	1.4903+00	4.4871-03	1.4903+00	4.4871-03	1.9896-03	5.7051-02	8.8278+04	1.1465-03	8.1130+00
350	468.79	1.5205+00	2.6651-01	7.9185-04	2.6651-01	7.9185-04	3.5111-04	1.0068-02	1.5579+04	2.0216-04	8.6180+00
352	484.01	2.6145+00	4.7859-01	1.4376-03	4.7859-01	1.4376-03	6.3746-04	1.8279-02	2.8284+04	3.6727-04	7.1680+00
354	480.46	2.5418+00	4.8576-01	1.4554-03	4.8576-01	1.4554-03	6.4535-04	1.8505-02	2.8634+04	3.7176-04	8.1130+00
357	492.81	9.4795+00	1.7404+00	5.2615-03	1.7404+00	5.2615-03	2.3330-03	6.6897-02	1.0352+05	1.3447-03	7.1680+00
359	484.94	7.5075+00	1.3450+00	4.0431-03	1.3450+00	4.0431-03	1.7927-03	5.1405-02	7.9543+04	1.0329-03	8.1130+00
401	541.00	9.7000+01	8.4995+00	2.6630-02	8.4995+00	2.6630-02	1.1808-02	3.3859-01	5.2392+05	6.8208-03	4.5500-01
403	513.40	6.4436+01	5.4846+00	1.6833-02	5.4846+00	1.6833-02	7.4639-03	2.1402-01	3.3117+05	4.3060-03	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0598-10	-4.0033-07	-3.0598-10	-1.3567-10	-3.8903-09	-6.0198-03	-6.7347-11	8.0100-01
405	547.85	1.0322+02	8.9745+00	2.8265-02	8.9745+00	2.8265-02	1.2533-02	3.5938-01	5.5604+05	7.2419-03	1.0510+00
406	521.13	9.1250+01	7.8515+00	2.4236-02	7.8515+00	2.4236-02	1.0746-02	3.0815-01	4.7682+05	6.2019-03	1.1670+00
407	515.19	8.2114+01	7.1647+00	2.2019-02	7.1647+00	2.2019-02	9.7634-03	2.7996-01	4.3320+05	5.6331-03	1.2830+00
408	492.28	4.9441+01	4.1020+00	1.2396-02	4.1020+00	1.2396-02	5.4966-03	1.5761-01	2.4388+05	3.1680-03	9.1300-01
409	450.90	7.8673+00	6.4818-01	1.9016-03	6.4818-01	1.9016-03	8.4318-04	2.4177-02	3.7412+04	4.8509-04	5.7000-01
410	490.78	4.4707+01	3.6383+00	1.0983-02	3.6383+00	1.0983-02	4.8699-03	1.3964-01	2.1607+05	2.8066-03	6.2800-01
411	453.49	1.0303+01	8.4819-01	2.4929-03	8.4819-01	2.4929-03	1.1054-03	3.1696-02	4.9045+04	6.3601-04	6.8600-01
412	502.00	5.5005+01	4.6480+00	1.4146-02	4.6480+00	1.4146-02	6.2725-03	1.7986-01	2.7831+05	3.6168-03	7.4400-01
413	454.18	1.3835+01	1.1403+00	3.3707-03	1.1403+00	3.3707-03	1.4946-03	4.2856-02	6.6314+04	8.5997-04	8.0100-01
414	520.83	8.5047+01	7.2728+00	2.2445-02	7.2728+00	2.2445-02	9.9522-03	2.8537-01	4.4158+05	5.7435-03	8.5900-01
415	453.28	1.7997+01	1.4814+00	4.3534-03	1.4814+00	4.3534-03	1.9303-03	5.5351-02	8.5648+04	1.1107-03	9.1700-01
416	497.82	5.0113+01	3.9451+00	1.1970-02	3.9451+00	1.1970-02	5.3077-03	1.5220-01	2.3550+05	3.0600-03	5.7000-01
417	527.30	9.2167+01	7.9135+00	2.4540-02	7.9135+00	2.4540-02	1.0881-02	3.1201-01	4.8280+05	6.2815-03	1.0520+00

33 1 -3.03 -15.03 .00 -.00 4C2 1 2.40 10.13 749.7 1787.5

8.66985+01 1.56701-02 1.12561+00 4.62179+03 1.51643-05 7.02258-08 8.37276-02 7.72000+00 7.28636-06 7.44052-02

1	472.92	2.6940+01	4.5743+00	1.3633-02	4.5743+00	1.3633-02	6.0460-03	1.7334-01	2.6816+05	3.4798-03	4.1100-01
2	501.97	5.8654+01	1.0150+01	3.0895-02	1.0150+01	3.0895-02	1.3701-02	3.9281-01	6.0769+05	7.8959-03	7.1100-01
3	498.43	5.8537+01	1.0107+01	3.0684-02	1.0107+01	3.0684-02	1.3607-02	3.9013-01	6.0353+05	7.8407-03	1.3070+00
4	487.62	4.6104+01	7.9046+00	2.3810-02	7.9046+00	2.3810-02	1.0559-02	3.0273-01	4.6833+05	6.0813-03	1.6410+00
5	481.17	2.7967+01	4.9981+00	1.4985-02	4.9981+00	1.4985-02	6.6454-03	1.9053-01	2.9475+05	3.8262-03	1.7720+00
6	466.41	3.7839+00	6.3036-01	1.8700-03	6.3036-01	1.8700-03	8.2930-04	2.3776-02	3.6782+04	4.7717-04	2.4660+00
7	443.81	5.0649+00	8.2842-01	2.4186-03	8.2842-01	2.4186-03	1.0726-03	3.0751-02	4.7572+04	6.1655-04	3.0090+00
8	437.06	6.6977+00	1.0806+00	3.1401-03	1.0806+00	3.1401-03	1.3925-03	3.9924-02	6.1763+04	8.0023-04	3.3930+00
9	437.89	7.2504+00	1.1705+00	3.4032-03	1.1705+00	3.4032-03	1.5092-03	4.3269-02	6.6938+04	8.6730-04	3.7770+00
10	464.50	7.0457+00	1.1618+00	3.4419-03	1.1618+00	3.4419-03	1.5264-03	4.3762-02	6.7700+04	8.7819-04	5.3230+00
14	484.19	5.2932+01	9.0550+00	2.7208-02	9.0550+00	2.7208-02	1.2066-02	3.4593-01	5.3516+05	6.9480-03	1.0880+00
15	472.44	4.5839+01	7.7810+00	2.3183-02	7.7810+00	2.3183-02	1.0281-02	2.9475-01	4.5599+05	5.9170-03	1.3070+00
16	490.53	5.3699+01	9.2242+00	2.7844-02	9.2242+00	2.7844-02	1.2348-02	3.5402-01	5.4767+05	7.1124-03	1.6410+00
19	497.53	4.2973+01	6.7432+00	2.0459-02	6.7432+00	2.0459-02	9.0728-03	2.6012-01	4.0241+05	5.2276-03	4.1100-01
20	471.14	3.8917+01	6.2915+00	1.8728-02	6.2915+00	1.8728-02	8.3051-03	2.3811-01	3.6836+05	4.7797-03	7.1100-01
21	468.18	4.3071+01	7.0557+00	2.0958-02	7.0557+00	2.0958-02	9.2942-03	2.6647-01	4.1223+05	5.3482-03	1.0880+00
22	453.73	3.0098+01	4.9123+00	1.4442-02	4.9123+00	1.4442-02	6.4046-03	1.8362-01	2.8407+05	3.6831-03	1.3070+00
23	697.80	2.9092-02	5.3958-03	1.9195-05	5.3958-03	1.9195-05	8.5125-06	2.4406-04	3.7756+02	4.9519-06	1.6410+00
24	453.43	2.4358+00	3.9747-01	1.1683-03	3.9747-01	1.1683-03	5.1811-04	1.4854-02	2.2980+04	2.9795-04	3.0090+00
25	447.28	2.3891+00	3.7887-01	1.1088-03	3.7887-01	1.1088-03	4.9174-04	1.4098-02	2.1810+04	2.8271-04	3.3930+00
26	444.95	3.2940+00	5.2475-01	1.5333-03	5.2475-01	1.5333-03	6.7996-04	1.9495-02	3.0158+04	3.9088-04	3.7770+00
27	528.19	9.1635+01	1.5367+01	4.7693-02	1.5367+01	4.7693-02	2.1151-02	6.0639-01	9.3809+05	1.2203-02	7.1100-01
28	472.35	4.7774+01	7.8480+00	2.3381-02	7.8480+00	2.3381-02	1.0369-02	2.9728-01	4.5989+05	5.9676-03	1.0880+00
29	455.08	3.2564+01	5.3674+00	1.5795-02	5.3674+00	1.5795-02	7.0047-03	2.0083-01	3.1068+05	4.0285-03	1.3070+00
30	465.11	3.3153+01	5.5181+00	1.6355-02	5.5181+00	1.6355-02	7.2528-03	2.0794-01	3.2169+05	4.1730-03	1.6410+00
31	469.25	2.1881+01	3.7062+00	1.1017-02	3.7062+00	1.1017-02	4.8858-03	1.4008-01	2.1670+05	2.8116-03	1.7720+00
32	472.71	4.6099+00	7.7120-01	2.2982-03	7.7120-01	2.2982-03	1.0192-03	2.9220-02	4.5203+04	5.8658-04	2.4660+00
33	449.65	2.3065+00	3.8102-01	1.1170-03	3.8102-01	1.1170-03	4.9535-04	1.4202-02	2.1970+04	2.8481-04	3.0090+00
34	439.95	1.5532+00	2.5111-01	7.3115-04	2.5111-01	7.3115-04	3.2424-04	9.2961-03	1.4381+04	1.8635-04	3.3930+00
35	438.75	2.1096+00	3.2644-01	9.4970-04	3.2644-01	9.4970-04	4.2116-04	1.2075-02	1.8680+04	2.4204-04	3.7770+00
36	451.29	2.8410+01	4.6151+00	1.3545-02	4.6151+00	1.3545-02	6.0068-03	1.7222-01	2.6642+05	3.4540-03	1.3070+00
37	471.08	4.1143+00	6.9570-01	2.0708-03	6.9570-01	2.0708-03	9.1831-04	2.6328-02	4.0730+04	5.2850-04	2.4660+00
38	447.02	2.8130+00	4.5700-01	1.3372-03	4.5700-01	1.3372-03	5.9303-04	1.7002-02	2.6303+04	3.4093-04	3.0090+00
39	436.48	1.7621+00	2.8247-01	8.2048-04	2.8247-01	8.2048-04	3.6386-04	1.0432-02	1.6138+04	2.0909-04	3.3930+00
40	435.54	1.1875+00	1.8852-01	5.4723-04	1.8852-01	5.4723-04	2.4268-04	6.9577-03	1.0764+04	1.3945-04	3.7770+00
41	443.27	1.6301+00	2.5463-01	7.4312-04	2.5463-01	7.4312-04	3.2955-04	9.4483-03	1.4617+04	1.8943-04	4.1620+00
43	459.16	1.9122+00	3.1794-01	9.3835-04	3.1794-01	9.3835-04	4.1613-04	1.1931-02	1.8457+04	2.3936-04	5.3230+00
47	468.62	2.6975+01	4.3936+00	1.3055-02	4.3936+00	1.3055-02	5.7893-03	1.6598-01	2.5677+05	3.3314-03	7.1100-01
48	478.67	4.3737+01	7.3023+00	2.1854-02	7.3023+00	2.1854-02	9.6916-03	2.7786-01	4.2985+05	5.5795-03	1.0880+00
49	452.83	2.8712+01	4.7394+00	1.3925-02	4.7394+00	1.3925-02	6.1754-03	1.7705-01	2.7390+05	3.5512-03	1.3070+00
50	459.05	2.0688+01	3.4498+00	1.0181-02	3.4498+00	1.0181-02	4.5148-03	1.2944-01	2.0025+05	2.5970-03	1.6410+00
51	465.57	1.4552+01	2.4588+00	7.2900-03	2.4588+00	7.2900-03	3.2329-03	9.2687-02	1.4339+05	1.8601-03	1.7720+00
52	469.34	4.7881+00	8.1107-01	2.4111-03	8.1107-01	2.4111-03	1.0693-03	3.0656-02	4.7425+04	6.1533-04	2.4660+00
53	441.94	2.5184+00	4.0771-01	1.1888-03	4.0771-01	1.1888-03	5.2719-04	1.5115-02	2.3382+04	3.0302-04	3.0090+00
54	433.18	1.6255+00	2.5840-01	7.4885-04	2.5840-01	7.4885-04	3.3209-04	9.5211-03	1.4729+04	1.9081-04	3.3930+00
55	435.11	1.0681+00	1.6692-01	4.8438-04	1.6692-01	4.8438-04	2.1481-04	6.1586-03	9.5274+03	1.2343-04	3.7770+00
56	452.58	7.2779+00	1.1192+00	3.2877-03	1.1192+00	3.2877-03	1.4580-03	4.1801-02	6.4666+04	8.3841-04	4.1100-01
57	459.05	1.5595+01	2.5085+00	7.4028-03	2.5085+00	7.4028-03	3.2829-03	9.4122-02	1.4561+05	1.8883-03	7.1100-01
58	458.50	2.9339+01	4.8327+00	1.4256-02	4.8327+00	1.4256-02	6.3222-03	1.8126-01	2.8041+05	3.6365-03	1.0880+00
59	448.20	2.2588+01	3.7057+00	1.0852-02	3.7057+00	1.0852-02	4.8127-03	1.3798-01	2.1346+05	2.7670-03	1.3070+00
60	459.78	1.9668+01	3.2619+00	9.6313-03	3.2619+00	9.6313-03	4.2712-03	1.2246-01	1.8944+05	2.4569-03	1.6410+00
61	444.12	3.8229+00	6.1796-01	1.8045-03	6.1796-01	1.8045-03	8.0026-04	2.2944-02	3.5494+04	4.6002-04	3.0090+00
62	434.58	1.8784+00	2.9891-01	8.6709-04	2.9891-01	8.6709-04	3.8452-04	1.1024-02	1.7055+04	2.2095-04	3.3930+00
63	439.76	1.2338+00	1.9344-01	5.6318-04	1.9344-01	5.6318-04	2.4975-04	7.1604-03	1.1077+04	1.4354-04	3.7770+00
64	445.81	1.5906+01	2.6518+00	7.7529-03	2.6518+00	7.7529-03	3.4382-03	9.8574-02	1.5249+05	1.9765-03	1.0880+00
65	440.77	1.5328+01	2.5465+00	7.4189-03	2.5465+00	7.4189-03	3.2901-03	9.4327-02	1.4592+05	1.8910-03	1.3070+00
66	454.85	1.6250+01	2.7258+00	8.0204-03	2.7258+00	8.0204-03	3.5568-03	1.0197-01	1.5775+05	2.0455-03	1.6410+00
69	448.23	3.9891+00	6.6613-01	1.9509-03	6.6613-01	1.9509-03	8.6515-04	2.4804-02	3.8372+04	4.9741-04	4.1100-01
70	437.93	1.2042+00	1.9965-01	5.8050-04	1.9965-01	5.8050-04	2.5744-04	7.3808-03	1.1418+04	1.4794-04	7.1100-01
71	435.06	3.3345+00	5.5016-01	1.5964-03	5.5016-01	1.5964-03	7.0797-04	2.0298-02	3.1401+04	4.0681-04	1.3070+00
72	444.79	5.8192+00	9.6944-01	2.8323-03	9.6944-01	2.8323-03	1.2560-03	3.6011-02	5.5709+04	7.2203-04	1.6410+00
73	452.70	3.1320+00	5.0466-01	1.4826-03	5.0466-01	1.4826-03	6.5751-04	1.8851-02	2.9163+04	3.7810-04	3.7770+00
74	469.89	3.4270+00	5.6714-01	1.6867-03	5.6714-01	1.6867-03	7.4799-04	2.1445-02	3.3176+04	4.3045-04	5.3230+00
77	431.39	4.0634+00	6.6477-01	1.9241-03	6.6477-01	1.9241-03	8.5327-04	2.4464-02	3.7845+04	4.9022-04	3.0090+00
78	429.74	5.2707+00	8.5111-01	2.4606-03	8.5111-01	2.4606-03	1.0912-03	3.1285-02	4.8398+04	6.2687-04	3.3930+00
79	437.28	6.1382+00	9.7860-01	2.8441-03	9.7860-01	2.8441-03	1.2613-03	3.6161-02	5.5941+04	7.2480-04	3.7770+00
80	467.71	3.8042+00	6.4558-01	1.9169-03	6.4558-01	1.9169-03	8.5010-04	2.4373-02	3.7705+04	4.8917-04	2.4660+00
81	437.06	5.0452+00	8.2867-01	2.4080-03	8.2867-01	2.4080-03	1.0679-03	3.0616-02	4.7363+04	6.1366-04	3.0090+00
82	428.77	6.2530+00	1.0121+00	2.9240-03	1.0121+00	2.9240-03	1.2967-03	3.7176-02	5.7512+04	7.4489-04	3.3930+00
83	437.84	7.1096+00	1.1477+00	3.3368-03	1.1477+00	3.3368-03	1.4798-03	4.2426-02	6.5633+04	8.5040-04	3.7770+00
337	539.61	2.7206+01	5.2851+00	1.6544-02	5.2851+00	1.6544-02	7.3369-03	2.1035-01	3.2542+05	4.2354-03	7.1680+00
339	528.89	2.5427+01	5.0118+00	1.5563-02	5.0118+00	1.5563-02	6.9016-03	1.9787-01	3.0611+05	3.9822-03	8.1130+00
340	486.15	9.3839+00	1.7624+00	5.3031-03	1.7624+00	5.3031-03	2.3518-03	6.7426-02	1.0431+05	1.3544-03	8.6180+00
342	530.76	2.3178+01	4.6215+00	1.4371-02	4.6215+00	1.4371-02	6.3731-03	1.8272-01	2.8267+05	3.6776-03	7.1680+00
344	517.67	1.8521+01	3.6440+00	1.1221-02	3.6440+00	1.1221-02	4.9762-03	1.4267-01	2.2071+05	2.8698-03	8.1130+00
347	502.53	1.4791+01	2.8076+00	8.5494-03	2.8076+00	8.5494-03	3.7914-03	1.0870-01	1.6816+05	2.1850-03	7.1680+00
349	489.12	7.8722+00	1.5169+00	4.5742-03	1.5169+00	4.5742-03	2.0285-03	5.8159-02	8.9972+04	1.1684-03	8.1130+00
350	469.18	1.5003+00	2.6302-01	7.8183-04	2.6302-01	7.8183-04	3.4671-04	9.9404-03	1.5378+04	1.9952-04	8.6180+00
352	484.64	2.5304+00	4.6338-01	1.3928-03	4.6338-01	1.3928-03	6.1765-04	1.7708-02	2.7395+04	3.5567-04	7.1680+00
354	481.09	2.5210+00	4.8198-01	1.4450-03	4.8198-01	1.4450-03	6.4080-04	1.8372-02	2.8422+04	3.6895-04	8.1130+00
357	495.14	9.3470+00	1.7187+00	5.2055-03	1.7187+00	5.2055-03	2.3085-03	6.6184-02	1.0239+05	1.3300-03	7.1680+00
359	486.85	7.5745+00	1.3587+00	4.0905-03	1.3587+00	4.0905-03	1.8140-03	5.2008-02	8.0457+04	1.0447-03	8.1130+00
401	564.36	9.0588+01	8.0498+00	2.5679-02	8.0498+00	2.5679-02	1.1388-02	3.2650-01	5.0509+05	6.5815-03	4.5500-01
403	528.71	5.8703+01	5.0446+00	1.5663-02	5.0446+00	1.5663-02	6.9458-03	1.9914-01	3.0807+05	4.0077-03	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.3519-06	-5.6936-03	-4.3519-06	-1.9299-06	-5.5331-05	-8.5598+01	-9.5778-07	8.0100-01
405	572.67	9.6354+01	8.5023+00	2.7298-02	8.5023+00	2.7298-02	1.2106-02	3.4708-01	5.3693+05	6.9991-03	1.0510+00
406	543.16	8.5925+01	7.4944+00	2.3523-02	7.4944+00	2.3523-02	1.0432-02	2.9908-01	4.6268+05	6.0230-03	1.1670+00
407	535.04	7.7357+01	6.8335+00	2.1318-02	6.8335+00	2.1318-02	9.4538-03	2.7104-01	4.1930+05	5.4563-03	1.2830+00
408	504.81	5.0318+01	4.2086+00	1.2837-02	4.2086+00	1.2837-02	5.6929-03	1.6322-01	2.5250+05	3.2812-03	5.1300-01
409	452.92	8.5647+00	7.0482-01	2.0710-03	7.0482-01	2.0710-03	9.1842-04	2.6331-02	4.0735+04	5.2814-04	5.7000-01
410	502.05	4.5308+01	3.7141+00	1.1306-02	3.7141+00	1.1306-02	5.0138-03	1.4375-01	2.2238+05	2.8895-03	6.2800-01
411	456.17	1.1200+01	9.2369-01	2.7203-03	9.2369-01	2.7203-03	1.2064-03	3.4587-02	5.3507+04	6.9383-04	6.8600-01
412	515.98	5.5688+01	4.7477+00	1.4601-02	4.7477+00	1.4601-02	6.4753-03	1.8565-01	2.8720+05	3.7340-03	7.4400-01
413	457.74	1.4745+01	1.2246+00	3.6107-03	1.2246+00	3.6107-03	1.6012-03	4.5908-02	7.1020+04	9.2099-04	8.0100-01
414	541.88	8.2759+01	7.1697+00	2.2482-02	7.1697+00	2.2482-02	9.9702-03	2.8585-01	4.4221+05	5.7561-03	8.5900-01
415	457.93	1.9218+01	1.5869+00	4.6795-03	1.5869+00	4.6795-03	2.0752-03	5.9497-02	9.2042+04	1.1936-03	9.1700-01
416	510.29	4.9783+01	3.9505+00	1.2099-02	3.9505+00	1.2099-02	5.3654-03	1.5383-01	2.3797+05	3.0932-03	5.7000-01
417	550.10	8.9847+01	7.8225+00	2.4683-02	7.8225+00	2.4683-02	1.0946-02	3.1383-01	4.8550+05	6.3220-03	1.0520+00

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33 1 -3.03 -15.03 .00 -.00 402 1 2.65 10.13 749.7 1786.9

8.66713+01 1.56709-02 1.12566+00 4.62106+03 1.51698-05 7.02038-08 8.37712-02 7.72000+00 7.28378-06 7.44083-02

1	479.62	2.7417+01	4.6761+00	1.4010-02	4.6761+00	1.4010-02	6.2118-03	1.7813-01	2.7567+05	3.5769-03	4.1100-01
2	516.59	5.8486+01	1.0215+01	3.1445-02	1.0215+01	3.1445-02	1.3942-02	3.9980-01	6.1872+05	8.0413-03	7.1100-01
3	512.88	5.7209+01	9.9688+00	3.0602-02	9.9688+00	3.0602-02	1.3568-02	3.8909-01	6.0214+05	7.8245-03	1.3070+00
4	499.14	4.6084+01	7.9603+00	2.4191-02	7.9603+00	2.4191-02	1.0726-02	3.0757-01	4.7598+05	6.1814-03	1.6410+00
5	488.18	2.8148+01	5.0535+00	1.5235-02	5.0535+00	1.5235-02	6.7549-03	1.9371-01	2.9977+05	3.8911-03	1.7720+00
6	467.36	3.8374+00	6.3968-01	1.8998-03	6.3968-01	1.8998-03	8.4232-04	2.4154-02	3.7380+04	4.8476-04	2.4660+00
7	445.06	5.0618+00	8.2863-01	2.4224-03	8.2863-01	2.4224-03	1.0740-03	3.0799-02	4.7663+04	6.1752-04	3.0090+00
8	438.76	6.7818+00	1.0955+00	3.1884-03	1.0955+00	3.1884-03	1.4137-03	4.0539-02	6.2736+04	8.1258-04	3.3930+00
9	439.71	7.2868+00	1.1778+00	3.4304-03	1.1778+00	3.4304-03	1.5209-03	4.3615-02	6.7497+04	8.7427-04	3.7770+00
10	466.27	7.0608+00	1.1657+00	3.4592-03	1.1657+00	3.4592-03	1.5337-03	4.3962-02	6.8065+04	8.8265-04	3.8230+00
14	497.21	5.1306+01	8.8513+00	2.6860-02	8.8513+00	2.6860-02	1.1909-02	3.4151-01	5.2851+05	6.8629-03	1.0880+00
15	484.02	4.6001+01	7.8684+00	2.3650-02	7.8684+00	2.3650-02	1.0486-02	3.0069-01	4.6534+05	6.0391-03	1.3070+00
16	503.87	5.3019+01	9.1860+00	2.8012-02	9.1860+00	2.8012-02	1.2420-02	3.5616-01	5.5118+05	7.1594-03	1.6410+00
19	508.19	4.2109+01	6.6528+00	2.0352-02	6.6528+00	2.0352-02	9.0236-03	2.5876-01	4.0045+05	5.2026-03	4.1100-01
20	481.44	4.2410+01	6.9031+00	2.0710-02	6.9031+00	2.0710-02	9.1822-03	2.6331-01	4.0749+05	5.2877-03	7.1100-01
21	478.99	4.2879+01	7.0751+00	2.1188-02	7.0751+00	2.1188-02	9.3944-03	2.6940-01	4.1690+05	5.4093-03	1.6880+00
22	461.22	3.1554+01	5.1762+00	1.5306-02	5.1762+00	1.5306-02	6.7861-03	1.9460-01	3.0115+05	3.9044-03	1.3070+00
23	697.79	2.0265-02	3.7585-03	1.3378-05	3.7585-03	1.3378-05	5.9313-06	1.7009-04	2.6322+02	3.4509-06	1.6410+00
24	454.05	2.4665+00	4.0264-01	1.1845-03	4.0264-01	1.1845-03	5.2520-04	1.5061-02	2.3307+04	3.0208-04	3.0090+00
25	447.89	2.5179+00	3.9947-01	1.1701-03	3.9947-01	1.1701-03	5.1880-04	1.4877-02	2.3024+04	2.9833-04	3.3930+00
26	445.79	3.3501+00	5.3400-01	1.5619-03	5.3400-01	1.5619-03	6.9250-04	1.9858-02	3.0732+04	3.9817-04	3.7770+00
27	550.82	8.8292+01	1.5013+01	4.7418-02	1.5013+01	4.7418-02	2.1024-02	6.0289-01	9.3301+05	1.2145-02	7.1100-01
28	484.19	4.6777+01	7.7445+00	2.3280-02	7.7445+00	2.3280-02	1.0322-02	2.9599-01	4.5807+05	5.9448-03	1.0880+00
29	463.34	3.2781+01	5.4335+00	1.6091-02	5.4335+00	1.6091-02	7.1342-03	2.0458-01	3.1660+05	4.1051-03	1.3070+00
30	473.40	3.2940+01	5.5131+00	1.6444-02	5.5131+00	1.6444-02	7.2910-03	2.0908-01	3.2356+05	4.1972-03	1.6410+00
31	474.73	2.1837+01	3.7124+00	1.1084-02	3.7124+00	1.1084-02	4.9143-03	1.4092-01	2.1809+05	2.8292-03	1.7720+00
32	473.88	4.6197+00	7.7345-01	2.3078-03	7.7345-01	2.3078-03	1.0232-03	2.9342-02	4.5409+04	5.8904-04	2.4660+00
33	450.19	2.2571+00	3.7301-01	1.0944-03	3.7301-01	1.0944-03	4.8522-04	1.3914-02	2.1533+04	2.7904-04	3.0090+00
34	440.33	1.5642+00	2.5294-01	7.3699-04	2.5294-01	7.3699-04	3.2677-04	9.3704-03	1.4501+04	1.8784-04	3.3930+00
35	439.26	2.1226+00	3.2857-01	9.5664-04	3.2857-01	9.5664-04	4.2415-04	1.2163-02	1.8823+04	2.4381-04	3.7770+00
36	458.36	2.8291+01	4.6180+00	1.3627-02	4.6180+00	1.3627-02	6.0421-03	1.7326-01	2.6814+05	3.4759-03	1.3070+00
37	472.09	4.1288+00	6.9863-01	2.0819-03	6.9863-01	2.0819-03	9.2306-04	2.6470-02	4.0964+04	5.3134-04	2.4660+00
38	447.74	2.8099+00	4.5671-01	1.3377-03	4.5671-01	1.3377-03	5.9308-04	1.7067-02	2.6320+04	3.4104-04	3.0090+00
39	436.83	1.9538+00	3.1328-01	9.1058-04	3.1328-01	9.1058-04	4.0373-04	1.1577-02	1.7917+04	2.3204-04	3.3930+00
40	435.81	1.2140+00	1.9277-01	5.5989-04	1.9277-01	5.5989-04	2.4824-04	7.1187-03	1.1017+04	1.4267-04	3.7770+00
41	443.66	1.6379+00	2.5591-01	7.4740-04	2.5591-01	7.4740-04	3.3138-04	9.5027-03	1.4706+04	1.9052-04	4.1620+00
43	459.63	1.9870+00	3.3049-01	9.7612-04	3.3049-01	9.7612-04	4.3279-04	1.2411-02	1.9206+04	2.4899-04	5.3230+00
47	475.21	2.6002+01	4.2537+00	1.2704-02	4.2537+00	1.2704-02	5.6327-03	1.6152-01	2.4997+05	3.2428-03	7.1100-01
48	489.62	4.3799+01	7.3652+00	2.2227-02	7.3652+00	2.2227-02	9.8551-03	2.8261-01	4.3735+05	5.6773-03	1.0880+00
49	459.95	2.8501+01	4.7273+00	1.3966-02	4.7273+00	1.3966-02	6.1921-03	1.7757-01	2.7479+05	3.5625-03	1.3070+00
50	464.28	2.0792+01	3.4793+00	1.0310-02	3.4793+00	1.0310-02	4.5714-03	1.3109-01	2.0287+05	2.6305-03	1.6410+00
51	469.24	1.4584+01	2.4703+00	7.3462-03	2.4703+00	7.3462-03	3.2571-03	9.3403-02	1.4455+05	1.8747-03	1.7720+00
52	470.53	4.7553+00	8.0616-01	2.3996-03	8.0616-01	2.3996-03	1.0639-03	3.0510-02	4.7216+04	6.1240-04	2.4660+00
53	442.56	2.4920+00	4.0360-01	1.1778-03	4.0360-01	1.1778-03	5.2220-04	1.4975-02	2.3174+04	3.0021-04	3.0090+00
54	433.58	1.6187+00	2.5740-01	7.4646-04	2.5740-01	7.4646-04	3.3096-04	9.4908-03	1.4688+04	1.9020-04	3.3930+00
55	435.38	1.1023+00	1.7231-01	5.0033-04	1.7231-01	5.0033-04	2.2183-04	6.3614-03	9.8446+03	1.2749-04	3.7770+00
56	454.29	7.6281+00	1.1744+00	3.4555-03	1.1744+00	3.4555-03	1.5321-03	4.3934-02	6.7991+04	8.8123-04	4.1100-01
57	462.96	1.5608+01	2.5171+00	7.4521-03	2.5171+00	7.4521-03	3.3041-03	9.4748-02	1.4663+05	1.9012-03	7.1100-01
58	465.93	2.9684+01	4.9142+00	1.4580-02	4.9142+00	1.4580-02	6.4643-03	1.8537-01	2.8687+05	3.7200-03	1.0880+00
59	453.80	2.2558+01	3.7150+00	1.0927-02	3.7150+00	1.0927-02	4.8449-03	1.3893-01	2.1501+05	2.7867-03	1.3070+00
60	464.74	1.9607+01	3.2627+00	9.6718-03	3.2627+00	9.6718-03	4.2882-03	1.2297-01	1.9030+05	2.4677-03	1.6410+00
61	445.05	3.7075+00	5.9970-01	1.7531-03	5.9970-01	1.7531-03	7.7729-04	2.2290-02	3.4495+04	4.4691-04	3.0090+00
62	435.03	1.8764+00	2.9868-01	8.6704-04	2.9868-01	8.6704-04	3.8442-04	1.1024-02	1.7060+04	2.2093-04	3.3930+00
63	440.10	1.2119+00	1.9067-01	5.5371-04	1.9067-01	5.5371-04	2.4550-04	7.0400-03	1.0895+04	1.4112-04	3.7770+00
64	449.83	1.6108+01	2.6927+00	7.8982-03	2.6927+00	7.8982-03	3.5019-03	1.0042-01	1.5541+05	2.0138-03	1.0880+00
65	444.67	1.5490+01	2.5803+00	7.5411-03	2.5803+00	7.5411-03	3.3435-03	9.5880-02	1.4838+05	1.9224-03	1.3070+00
66	458.89	1.6102+01	2.7084+00	7.9954-03	2.7084+00	7.9954-03	3.5450-03	1.0166-01	1.5732+05	2.0394-03	1.6410+00
69	449.23	4.0145+00	6.7084-01	1.9669-03	6.7084-01	1.9669-03	8.7207-04	2.5008-02	3.8701+04	5.0149-04	4.1100-01
70	438.21	1.1491+00	1.9056-01	5.5441-04	1.9056-01	5.5441-04	2.4581-04	7.0490-03	1.0909+04	1.4129-04	7.1100-01
71	435.89	3.3709+00	5.5648-01	1.6164-03	5.5648-01	1.6164-03	7.1667-04	2.0551-02	3.1804+04	4.1189-04	1.3070+00
72	446.19	5.6836+00	9.4778-01	2.7729-03	9.4778-01	2.7729-03	1.2294-03	3.5256-02	5.4560+04	7.0691-04	1.6410+00
73	453.54	3.3626+00	5.4214-01	1.5944-03	5.4214-01	1.5944-03	7.0690-04	2.0271-02	3.1371+04	4.0658-04	3.7770+00
74	470.76	3.4457+00	5.7057-01	1.6987-03	5.7057-01	1.6987-03	7.5314-04	2.1597-02	3.3423+04	4.3351-04	3.3230+00
77	432.42	4.0042+00	6.5555-01	1.8996-03	6.5555-01	1.8996-03	8.4222-04	2.4152-02	3.7376+04	4.8397-04	3.0090+00
78	431.05	5.3704+00	8.6802-01	2.5128-03	8.6802-01	2.5128-03	1.1141-03	3.1949-02	4.9443+04	6.4019-04	3.3930+00
79	438.83	6.1694+00	9.8464-01	2.8659-03	9.8464-01	2.8659-03	1.2707-03	3.6438-02	5.6391+04	7.3039-04	3.7770+00
80	468.67	3.8920+00	6.6090-01	1.9646-03	6.6090-01	1.9646-03	8.7108-04	2.4979-02	3.8657+04	5.0135-04	2.4660+00
81	438.37	5.1262+00	8.4275-01	2.4521-03	8.4275-01	2.4521-03	1.0872-03	3.1177-02	4.8249+04	6.2492-04	3.0090+00
82	430.37	6.3460+00	1.0283+00	2.9753-03	1.0283+00	2.9753-03	1.3192-03	3.7830-02	5.8544+04	7.5800-04	3.3930+00
83	439.62	7.1247+00	1.1516+00	3.3536-03	1.1516+00	3.3536-03	1.4869-03	4.2639-02	6.5987+04	8.5471-04	3.7770+00
337	546.40	2.7138+01	5.2937+00	1.6664-02	5.2937+00	1.6664-02	7.3885-03	2.1188-01	3.2789+05	4.2673-03	7.1680+00
339	535.25	2.5280+01	5.0024+00	1.5615-02	5.0024+00	1.5615-02	6.9234-03	1.9854-01	3.0725+05	3.9966-03	8.1130+00
340	488.48	9.3138+00	1.7519+00	5.2827-03	1.7519+00	5.2827-03	2.3422-03	6.7166-02	1.0394+05	1.3492-03	8.6180+00
342	536.54	2.3002+01	4.6027+00	1.4381-02	4.6027+00	1.4381-02	6.3764-03	1.8285-01	2.8297+05	3.6810-03	7.1680+00
344	522.29	1.8436+01	3.6380+00	1.1246-02	3.6380+00	1.1246-02	4.9863-03	1.4299-01	2.2128+05	2.8767-03	8.1130+00
347	506.27	1.4958+01	2.8460+00	8.6941-03	2.8460+00	8.6941-03	3.8548-03	1.1054-01	1.7107+05	2.2223-03	7.1680+00
349	491.10	7.8364+00	1.5120+00	4.5679-03	1.5120+00	4.5679-03	2.0253-03	5.8078-02	8.9878+04	1.1668-03	8.1130+00
350	469.55	1.5132+00	2.6537-01	7.8934-04	2.6537-01	7.8934-04	3.4997-04	1.0036-02	1.5531+04	2.0143-04	8.6180+00
352	485.29	2.5943+00	4.7528-01	1.4298-03	4.7528-01	1.4298-03	6.3396-04	1.8179-02	2.8134+04	3.6514-04	7.1680+00
354	481.71	2.4338+00	4.6549-01	1.3968-03	4.6549-01	1.3968-03	6.1929-04	1.7759-02	2.7483+04	3.5663-04	8.1130+00
357	497.46	9.3262+00	1.7174+00	5.2128-03	1.7174+00	5.2128-03	2.3112-03	6.6277-02	1.0257+05	1.3319-03	7.1680+00
359	488.76	7.5647+00	1.3586+00	4.0977-03	1.3586+00	4.0977-03	1.8168-03	5.2099-02	8.0627+04	1.0466-03	8.1130+00
401	586.28	8.4598+01	7.6143+00	2.4720-02	7.6143+00	2.4720-02	1.0960-02	3.1429-01	4.8639+05	6.3418-03	4.5500-01
403	542.53	5.3986+01	4.6788+00	1.4686-02	4.6788+00	1.4686-02	6.5112-03	1.8672-01	2.8896+05	3.7599-03	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1743-06	-2.8443-03	-2.1743-06	-9.6403-07	-2.7645-05	-4.2782+01	-4.7851-07	8.0100-01
405	595.94	9.0267+01	8.0729+00	2.6409-02	8.0729+00	2.6409-02	1.1709-02	3.3577-01	5.1963+05	6.7783-03	1.0510+00
406	564.03	8.1099+01	7.1625+00	2.2853-02	7.1625+00	2.2853-02	1.0133-02	2.9057-01	4.4967+05	5.8569-03	1.1670+00
407	553.79	7.3199+01	6.5402+00	2.0705-02	6.5402+00	2.0705-02	9.1799-03	2.6325-01	4.0739+05	5.3037-03	1.2830+00
408	517.50	5.0557+01	4.2627+00	1.3131-02	4.2627+00	1.3131-02	5.8218-03	1.6695-01	2.5836+05	3.3580-03	5.1300-01
409	455.12	9.3429+00	7.7001-01	2.2670-03	7.7001-01	2.2670-03	1.0051-03	2.8824-02	4.4607+04	5.7817-04	5.7000-01
410	513.49	4.5450+01	3.7529+00	1.1526-02	3.7529+00	1.1526-02	5.1103-03	1.4654-01	2.2679+05	2.9471-03	6.2800-01
411	459.09	1.2024+01	9.9369-01	2.9338-03	9.9369-01	2.9338-03	1.3008-03	3.7302-02	5.7727+04	7.4835-04	6.8600-01
412	529.93	5.5480+01	4.7713+00	1.4834-02	4.7713+00	1.4834-02	6.5771-03	1.8861-01	2.9188+05	3.7958-03	7.4400-01
413	461.65	1.5732+01	1.3101+00	3.8750-03	1.3101+00	3.8750-03	1.7181-03	4.9268-02	7.6245+04	9.8853-04	8.0100-01
414	562.23	8.0132+01	7.0275+00	2.2392-02	7.0275+00	2.2392-02	9.9280-03	2.8470-01	4.4059+05	5.7381-03	8.5900-01
415	462.92	2.0436+01	1.6932+00	5.0128-03	1.6932+00	5.0128-03	2.2225-03	6.3734-02	9.8632+04	1.2789-03	9.1700-01
416	522.75	4.9346+01	3.9466+00	1.2205-02	3.9466+00	1.2205-02	5.4112-03	1.5517-01	2.4014+05	3.1219-03	5.7000-01
417	572.31	8.7084+01	7.6827+00	2.4671-02	7.6827+00	2.4671-02	1.0939-02	3.1368-01	4.8543+05	6.3252-03	1.0520+00

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33 1 -3.04 -15.04 .00 -.00 402 1 3.15 10.13 749.7 1786.3

8.66351+01 1.56719-02 1.12574+00 4.62010+03 1.51772-05 7.01744-08 8.38292-02 7.72000+00 7.28034-06 7.44123-02

1	493.75	2.9517+01	5.0810+00	1.5369-02	5.0810+00	1.5369-02	6.8123-03	1.9541-01	3.0254+05	3.9312-03	4.1100-01
2	545.75	5.7783+01	1.0276+01	3.2307-02	1.0276+01	3.2307-02	1.4320-02	4.1076-01	6.3598+05	8.2836-03	7.1100-01
3	540.85	5.5281+01	9.8016+00	3.0702-02	9.8016+00	3.0702-02	1.3609-02	3.9036-01	6.0439+05	7.8703-03	1.3070+00
4	522.16	4.5710+01	8.0116+00	2.4746-02	8.0116+00	2.4746-02	1.0969-02	3.1463-01	4.8713+05	6.3379-03	1.6410+00
5	502.31	2.8103+01	5.0918+00	1.5498-02	5.0918+00	1.5498-02	6.8696-03	1.9705-01	3.0509+05	3.9657-03	1.7720+00
6	469.30	3.9127+00	6.5308-01	1.9409-03	6.5308-01	1.9409-03	8.6030-04	2.4677-02	3.8207+04	4.9590-04	2.4660+00
7	447.60	5.0868+00	8.3417-01	2.4412-03	8.3417-01	2.4412-03	1.0821-03	3.1038-02	4.8056+04	6.2314-04	3.0090+00
8	442.13	6.7470+00	1.0924+00	3.1847-03	1.0924+00	3.1847-03	1.4117-03	4.0492-02	6.2693+04	8.1274-04	3.3930+00
9	443.38	7.3216+00	1.1865+00	3.4620-03	1.1865+00	3.4620-03	1.5345-03	4.4017-02	6.8150+04	8.8353-04	3.7770+00
10	469.80	7.0634+00	1.1689+00	3.4750-03	1.1689+00	3.4750-03	1.5403-03	4.4182-02	6.8406+04	8.8789-04	5.3230+00
14	522.11	4.8785+01	8.5504+00	2.6409-02	8.5504+00	2.6409-02	1.1706-02	3.3577-01	5.1987+05	6.7638-03	1.0880+00
15	506.87	4.5185+01	7.8438+00	2.3955-02	7.8438+00	2.3955-02	1.0618-02	3.0457-01	4.7156+05	6.1309-03	1.3070+00
16	530.03	5.1550+01	9.0796+00	2.8210-02	9.0796+00	2.8210-02	1.2504-02	3.5867-01	5.5533+05	7.2278-03	1.6410+00
19	528.73	3.9969+01	6.3966+00	1.9855-02	6.3966+00	1.9855-02	8.8006-03	2.5244-01	3.9085+05	5.0867-03	4.1100-01
20	503.98	4.4964+01	7.4265+00	2.2632-02	7.4265+00	2.2632-02	1.0032-02	2.8775-01	4.4552+05	5.7917-03	7.1100-01
21	500.12	4.1358+01	6.9186+00	2.1025-02	6.9186+00	2.1025-02	9.3193-03	2.6732-01	4.1388+05	5.3794-03	1.0880+00
22	478.22	3.4129+01	5.6624+00	1.6936-02	5.6624+00	1.6936-02	7.5069-03	2.1533-01	3.3339+05	4.3289-03	1.3070+00
23	697.84	5.3507-02	9.9242-03	3.5294-05	9.9242-03	3.5294-05	1.5644-05	4.4874-04	6.9478+02	9.1181-06	1.6410+00
24	455.29	2.4530+00	4.0077-01	1.1792-03	4.0077-01	1.1792-03	5.2270-04	1.4993-02	2.3214+04	3.0111-04	3.0090+00
25	449.16	2.4597+00	3.9058-01	1.1443-03	3.9058-01	1.1443-03	5.0722-04	1.4549-02	2.2526+04	2.9211-04	3.3930+00
26	447.47	3.3912+00	5.4117-01	1.5836-03	5.4117-01	1.5836-03	7.0193-04	2.0134-02	3.1174+04	4.0423-04	3.7770+00
27	592.87	7.8704+01	1.3716+01	4.4726-02	1.3716+01	4.4726-02	1.9825-02	5.6867-01	8.8046+05	1.1494-02	7.1100-01
28	507.06	4.4955+01	7.5536+00	2.3072-02	7.5536+00	2.3072-02	1.0227-02	2.9334-01	4.5418+05	5.9050-03	1.0880+00
29	479.62	3.2367+01	5.4235+00	1.6238-02	5.4235+00	1.6238-02	7.1975-03	2.0645-01	3.1965+05	4.1508-03	1.3070+00
30	489.72	3.2397+01	5.4808+00	1.6530-02	5.4808+00	1.6530-02	7.3269-03	2.1017-01	3.2540+05	4.2273-03	1.6410+00
31	485.59	2.1565+01	3.6924+00	1.1103-02	3.6924+00	1.1103-02	4.9213-03	1.4116-01	2.1856+05	2.8389-03	1.7720+00
32	476.14	4.6395+00	7.7792-01	2.3232-03	7.7792-01	2.3232-03	1.0298-03	2.9539-02	4.5734+04	5.9379-04	2.4660+00
33	451.35	2.1345+00	3.5303-01	1.0359-03	3.5303-01	1.0359-03	4.5916-04	1.3171-02	2.0392+04	2.6446-04	3.0090+00
34	441.12	1.5792+00	2.5552-01	7.4438-04	2.5552-01	7.4438-04	3.2995-04	9.4643-03	1.4654+04	1.8996-04	3.3930+00
35	440.36	2.1719+00	3.3647-01	9.7969-04	3.3647-01	9.7969-04	4.3425-04	1.2456-02	1.9286+04	2.4999-04	3.7770+00
36	472.53	2.8022+01	4.6178+00	1.3755-02	4.6178+00	1.3755-02	6.0972-03	1.7489-01	2.7078+05	3.5151-03	1.3070+00
37	474.16	4.1761+00	7.0761-01	2.1103-03	7.0761-01	2.1103-03	9.3538-04	2.6831-02	4.1541+04	5.3930-04	2.4660+00
38	449.10	2.7356+00	4.4505-01	1.3038-03	4.4505-01	1.3038-03	5.7793-04	1.6577-02	2.5667+04	3.3284-04	3.0090+00
39	437.87	2.2488+00	3.6086-01	1.0489-03	3.6086-01	1.0489-03	4.6492-04	1.3336-02	2.0648+04	2.6762-04	3.3930+00
40	436.45	1.2000+00	1.9062-01	5.5352-04	1.9062-01	5.5352-04	2.4535-04	7.0377-03	1.0896+04	1.4122-04	3.7770+00
41	444.50	1.6229+00	2.5371-01	7.4086-04	2.5371-01	7.4086-04	3.2839-04	9.4196-03	1.4584+04	1.8909-04	4.1620+00
43	460.64	2.0177+00	3.3581-01	9.9186-04	3.3581-01	9.9186-04	4.3965-04	1.2611-02	1.9525+04	2.5333-04	5.3230+00
47	487.76	2.4323+01	4.0120+00	1.2083-02	4.0120+00	1.2083-02	5.3557-03	1.5362-01	2.3786+05	3.0898-03	7.1100-01
48	511.54	4.3783+01	7.4669+00	2.2882-02	7.4669+00	2.2882-02	1.0143-02	2.9093-01	4.5045+05	5.8577-03	1.0880+00
49	474.20	2.8188+01	4.7202+00	1.4077-02	4.7202+00	1.4077-02	6.2398-03	1.7898-01	2.7712+05	3.5976-03	1.3070+00
50	474.63	2.0538+01	3.4607+00	1.0324-02	3.4607+00	1.0324-02	4.5762-03	1.3126-01	2.0323+05	2.6385-03	1.6410+00
51	476.52	1.4415+01	2.4535+00	7.3293-03	2.4535+00	7.3293-03	3.2487-03	9.3188-02	1.4428+05	1.8733-03	1.7720+00
52	472.92	4.7678+00	8.0956-01	2.4122-03	8.0956-01	2.4122-03	1.0692-03	3.0669-02	4.7485+04	6.1692-04	2.4660+00
53	445.80	2.5127+00	4.0731-01	1.1888-03	4.0731-01	1.1888-03	5.2695-04	1.5115-02	2.3403+04	3.0341-04	3.0090+00
54	434.39	1.5901+00	2.5300-01	7.3361-04	2.5300-01	7.3361-04	3.2517-04	9.3273-03	1.4441+04	1.8715-04	3.3930+00
55	435.90	9.7507-01	1.5247-01	4.4257-04	1.5247-01	4.4257-04	1.9617-04	5.6270-03	8.7122+03	1.1291-04	3.7770+00
56	458.35	7.9761+00	1.2313+00	3.6310-03	1.2313+00	3.6310-03	1.6095-03	4.6166-02	7.1478+04	9.2729-04	4.1100-01
57	470.73	1.5547+01	2.5204+00	7.4979-03	2.5204+00	7.4979-03	3.3235-03	9.5332-02	1.4760+05	1.9159-03	7.1100-01
58	480.76	2.9195+01	4.8811+00	1.4626-02	4.8811+00	1.4626-02	6.4829-03	1.8596-01	2.8792+05	3.7389-03	1.0880+00
59	465.17	2.2971+01	3.8122+00	1.1296-02	3.8122+00	1.1296-02	5.0071-03	1.4362-01	2.2237+05	2.8857-03	1.3070+00
60	474.43	1.9140+01	3.2056+00	9.5617-03	3.2056+00	9.5617-03	4.2383-03	1.2157-01	1.8823+05	2.4436-03	1.6410+00
61	446.88	3.7117+00	6.0113-01	1.7583-03	6.0113-01	1.7583-03	7.7938-04	2.2356-02	3.4613+04	4.4881-04	3.0090+00
62	435.97	1.9122+00	3.0458-01	8.8414-04	3.0458-01	8.8414-04	3.9190-04	1.1241-02	1.7405+04	2.2557-04	3.3930+00
63	440.65	1.1309+00	1.7743-01	5.1672-04	1.7743-01	5.1672-04	2.2904-04	6.5698-03	1.0172+04	1.3186-04	3.7770+00
64	457.95	1.6660+01	2.7670+00	8.1570-03	2.7670+00	8.1570-03	3.6156-03	1.0371-01	1.6057+05	2.0831-03	1.0880+00
65	452.35	1.5282+01	2.5591+00	7.5142-03	2.5591+00	7.5142-03	3.3307-03	9.5538-02	1.4792+05	1.9185-03	1.3070+00
66	466.84	1.5705+01	2.6560+00	7.8793-03	2.6560+00	7.8793-03	.1925-03	1.0018-01	1.5511+05	2.0130-03	1.6410+00
69	451.19	3.5631+00	5.9621-01	1.7492-03	5.9621-01	1.7492-03	7.7536-04	2.2240-02	3.4435+04	4.4658-04	4.1100-01
70	438.79	1.1699+00	1.9408-01	5.6450-04	1.9408-01	5.6450-04	2.5022-04	7.1772-03	1.1112+04	1.4404-04	7.1100-01
71	437.58	3.4151+00	5.6444-01	1.6403-03	5.6444-01	1.6403-03	7.2707-04	2.0855-02	3.2290+04	4.1852-04	1.3070+00
72	449.04	5.6457+00	9.4330-01	2.7634-03	9.4330-01	2.7634-03	1.2249-03	3.5135-02	5.4399+04	7.0543-04	1.6410+00
73	455.25	3.4706+00	5.6021-01	1.6483-03	5.6021-01	1.6483-03	7.3063-04	2.0957-02	3.2448+04	4.2089-04	3.7770+00
74	472.50	3.3818+00	5.6064-01	1.6700-03	5.6064-01	1.6700-03	7.4023-04	2.1233-02	3.2874+04	4.2675-04	5.3230+00
77	434.43	4.0670+00	6.6678-01	1.9334-03	6.6678-01	1.9334-03	8.5701-04	2.4582-02	3.8061+04	4.9324-04	3.0090+00
78	433.72	5.3278+00	8.6275-01	2.5005-03	8.6275-01	2.5005-03	1.1083-03	3.1792-02	4.9223+04	6.3788-04	3.3930+00
79	441.87	6.0312+00	9.6462-01	2.8116-03	9.6462-01	2.8116-03	1.2463-03	3.5748-02	5.5349+04	7.1752-04	3.7770+00
80	470.65	3.9330+00	6.6876-01	1.9894-03	6.6876-01	1.9894-03	8.8180-04	2.5294-02	3.9162+04	5.0833-04	2.4660+00
81	440.94	5.0358+00	8.2937-01	2.4159-03	8.2937-01	2.4159-03	1.0708-03	3.0716-02	4.7557+04	6.1649-04	3.0090+00
82	433.57	6.4213+00	1.0428+00	3.0220-03	1.0428+00	3.0220-03	1.3395-03	3.8423-02	5.9490+04	7.7093-04	3.3930+00
83	443.19	7.2213+00	1.1761+00	3.4137-03	1.1761+00	3.4137-03	1.5131-03	4.3403-02	6.7200+04	8.7120-04	3.7770+00
337	559.90	2.6881+01	5.2862+00	1.6801-02	5.2862+00	1.6801-02	7.4469-03	2.1361-01	3.3073+05	4.3106-03	7.1680+00
339	547.83	2.5170+01	5.0191+00	1.5805-02	5.0191+00	1.5805-02	7.0056-03	2.0095-01	3.1113+05	4.0528-03	8.1130+00
340	493.15	9.3958+00	1.7727+00	5.3597-03	1.7727+00	5.3597-03	2.3757-03	6.8145-02	1.0551+05	1.3709-03	8.6180+00
342	547.98	2.2795+01	4.5934+00	1.4466-02	4.5934+00	1.4466-02	6.4121-03	1.8393-01	2.8477+05	3.7095-03	7.1680+00
344	531.47	1.8266+01	3.6249+00	1.1275-02	3.6249+00	1.1275-02	4.9975-03	1.4335-01	2.2195+05	2.8889-03	8.1130+00
347	513.76	1.4865+01	2.8418+00	8.7230-03	2.8418+00	8.7230-03	3.8665-03	1.1091-01	1.7172+05	2.2333-03	7.1680+00
349	494.99	7.7366+00	1.4965+00	4.5306-03	1.4965+00	4.5306-03	2.0082-03	5.7604-02	8.9187+04	1.1589-03	8.1130+00
350	470.32	1.5558+00	2.7298-01	8.1184-04	2.7298-01	8.1184-04	3.5985-04	1.0322-02	1.5981+04	2.0744-04	8.6180+00
352	486.61	2.6083+00	4.7826-01	1.4391-03	4.7826-01	1.4391-03	6.3791-04	1.8298-02	2.8330+04	3.6800-04	7.1680+00
354	482.93	2.4847+00	4.7561-01	1.4274-03	4.7561-01	1.4274-03	6.3268-04	1.8148-02	2.8098+04	3.6492-04	8.1130+00
357	502.11	9.2618+00	1.7107+00	5.2061-03	1.7107+00	5.2061-03	2.3076-03	6.6192-02	1.0249+05	1.3322-03	7.1680+00
359	492.47	7.4364+00	1.3388+00	4.0459-03	1.3388+00	4.0459-03	1.7934-03	5.1441-02	7.9646+04	1.0348-03	8.1130+00
401	625.53	7.2906+01	6.7083+00	2.2454-02	6.7083+00	2.2454-02	9.9527-03	2.8549-01	4.4201+05	5.7794-03	4.5500-01
403	567.97	4.9412+01	4.3481+00	1.3905-02	4.3481+00	1.3905-02	6.1635-03	1.7680-01	2.7373+05	3.5691-03	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.3545-06	-5.6973-03	-4.3545-06	-1.9301-06	-5.5364-05	-8.5720+01	-9.5861-07	8.0100-01
405	638.16	7.9049+01	7.2369+00	2.4474-02	7.2369+00	2.4474-02	1.0848-02	3.1117-01	4.8179+05	6.3034-03	1.0510+00
406	602.28	7.2438+01	6.5406+00	2.1487-02	6.5406+00	2.1487-02	9.5244-03	2.7320-01	4.2299+05	5.5243-03	1.1670+00
407	588.50	6.6424+01	6.0570+00	1.9683-02	6.0570+00	1.9683-02	8.7245-03	2.5026-01	3.8747+05	5.0570-03	1.2830+00
408	542.67	4.9770+01	4.2621+00	1.3369-02	4.2621+00	1.3369-02	5.9258-03	1.6998-01	2.6317+05	3.4273-03	5.1300-01
409	460.21	1.0722+01	8.8669-01	2.6181-03	8.8669-01	2.6181-03	1.1605-03	3.3288-02	5.1540+04	6.6868-04	5.7000-01
410	536.04	4.4394+01	3.7176+00	1.1602-02	3.7176+00	1.1602-02	5.1429-03	1.4752-01	2.2840+05	2.9735-03	6.2800-01
411	465.47	1.3572+01	1.1265+00	3.3386-03	1.1265+00	3.3386-03	1.4798-03	4.2448-02	6.5721+04	8.5288-04	6.8600-01
412	557.40	5.3852+01	4.7092+00	1.4938-02	4.7092+00	1.4938-02	6.6214-03	1.8993-01	2.9406+05	3.8322-03	7.4400-01
413	469.88	1.7394+01	1.4565+00	4.3303-03	1.4565+00	4.3303-03	1.9194-03	5.5057-02	8.5245+04	1.1065-03	8.0100-01
414	600.97	7.4871+01	6.7151+00	2.2038-02	6.7151+00	2.2038-02	9.7682-03	2.8019-01	4.3382+05	5.6654-03	8.5900-01
415	473.61	2.2230+01	1.8550+00	5.5299-03	1.8550+00	5.5299-03	2.4512-03	7.0309-02	1.0886+05	1.4132-03	9.1700-01
416	547.08	4.7672+01	3.8701+00	1.2180-02	3.8701+00	1.2180-02	5.3988-03	1.5486-01	2.3977+05	3.1232-03	5.7000-01
417	614.28	8.0320+01	7.2577+00	2.4073-02	7.2577+00	2.4073-02	1.0671-02	3.0608-01	4.7389+05	6.1928-03	1.0520+00

36 1 12.00 .00 .00 -.00 402 1 1.90 10.18 1641.5 1861.8

9.00612+01 3.36733-02 2.44273+00 4.73381+03 3.13697-05 7.29496-08 1.70778-01 7.72000+00 7.60581-06 7.40448-02

1	455.02	6.9932+00	1.1732+00	3.2495-03	1.1732+00	3.2495-03	6.8012-04	3.4363-02	6.1230+04	8.3400-04	4.1100-01
2	452.47	1.3162+01	2.2042+00	6.0947-03	2.2042+00	6.0947-03	1.2756-03	6.4450-02	1.1484+05	1.5641-03	7.1100-01
3	539.80	1.7665+02	3.1300+01	9.1889-02	3.1300+01	9.1889-02	1.9233-02	9.7171-01	1.7315+06	2.3677-02	1.3070+00
4	511.34	1.0995+02	1.9140+01	5.5080-02	1.9140+01	5.5080-02	1.1528-02	5.8246-01	1.0379+06	1.4173-02	1.6410+00
5	476.37	4.1723+01	7.4330+00	2.0884-02	7.4330+00	2.0884-02	4.3711-03	2.2085-01	3.9352+05	5.3653-03	1.7720+00
6	475.40	2.7595+00	4.6247-01	1.2985-03	4.6247-01	1.2985-03	2.7178-04	1.3732-02	2.4468+04	3.3358-04	2.4660+00
7	460.45	3.5538+00	5.8790-01	1.6342-03	5.8790-01	1.6342-03	3.4205-04	1.7282-02	3.0794+04	4.1954-04	3.0090+00
8	453.23	4.0166+00	6.5532-01	1.8129-03	6.5532-01	1.8129-03	3.7944-04	1.9171-02	3.4160+04	4.6525-04	3.3930+00
9	451.60	3.6468+00	5.9431-01	1.6423-03	5.9431-01	1.6423-03	3.4374-04	1.7367-02	3.0946+04	4.2145-04	3.7770+00
10	473.60	6.5901+00	1.0933+00	3.0661-03	1.0933+00	3.0661-03	6.4174-04	3.2423-02	5.7774+04	7.8760-04	5.3230+00
14	473.31	5.8568+01	9.9473+00	2.7891-02	9.9473+00	2.7891-02	5.8376-03	2.9494-01	5.2555+05	7.1643-03	1.0880+00
15	531.55	1.7981+02	3.1700+01	9.2522-02	3.1700+01	9.2522-02	1.9365-02	9.7840-01	1.7434+06	2.3831-02	1.3070+00
16	497.30	1.0420+02	1.7977+01	5.1235-02	1.7977+01	5.1235-02	1.0724-02	5.4160-01	9.6543+05	1.3175-02	1.6410+00
19	461.86	5.1392+00	7.8767-01	2.1916-03	7.8767-01	2.1916-03	4.5871-04	2.3176-02	4.1296+04	5.6266-04	4.1100-01
20	462.60	1.3673+01	2.1978+00	6.1182-03	2.1978+00	6.1182-03	1.2806-03	6.4699-02	1.1529+05	1.5708-03	7.1100-01
21	480.60	7.2195+01	1.1925+01	3.3600-02	1.1925+01	3.3600-02	7.0326-03	3.5532-01	6.3313+05	8.6338-03	1.0880+00
22	527.94	1.7606+02	3.0155+01	8.7789-02	3.0155+01	8.7789-02	1.8374-02	9.2835-01	1.6542+06	2.2608-02	1.3070+00
23	764.35	1.2571-01	2.4075-02	8.4152-05	2.4075-02	8.4152-05	1.7613-05	8.8989-04	1.5857+03	2.1938-05	1.6410+00
24	470.77	3.8062+00	6.2838-01	1.7589-03	6.2838-01	1.7589-03	3.6814-04	1.8600-02	3.3143+04	4.5175-04	3.0090+00
25	464.84	3.7964+00	6.0927-01	1.6986-03	6.0927-01	1.6986-03	3.5552-04	1.7962-02	3.2007+04	4.3615-04	3.3930+00
26	460.86	3.8888+00	6.2627-01	1.7414-03	6.2627-01	1.7414-03	3.6447-04	1.8415-02	3.2812+04	4.4705-04	3.7770+00
27	462.45	1.4243+01	2.2892+00	6.3719-03	2.2892+00	6.3719-03	1.3337-03	6.7382-02	1.2007+05	1.6360-03	7.1100-01
28	483.59	7.7789+01	1.2874+01	3.6349-02	1.2874+01	3.6349-02	7.6078-03	3.8438-01	6.8492+05	9.3413-03	1.0880+00
29	548.77	1.7415+02	3.0482+01	9.0060-02	3.0482+01	9.0060-02	1.8850-02	9.5237-01	1.6970+06	2.3216-02	1.3070+00
30	496.65	1.0119+02	1.7196+01	4.8986-02	1.7196+01	4.8986-02	1.0253-02	5.1802-01	9.2305+05	1.2597-02	1.6410+00
31	471.14	4.3857+01	7.4379+00	2.0824-02	7.4379+00	2.0824-02	4.3586-03	2.2021-01	3.9240+05	5.3486-03	1.7720+00
32	477.46	2.9117+00	4.8864-01	1.3739-03	4.8864-01	1.3739-03	2.8756-04	1.4529-02	2.5889+04	3.5299-04	2.4660+00
33	467.49	5.3616+00	8.9648-01	2.5038-03	8.9648-01	2.5038-03	5.2405-04	2.6477-02	4.7179+04	6.4298-04	3.0090+00
34	460.89	6.0987+00	1.0002+00	2.7811-03	1.0002+00	2.7811-03	5.8210-04	2.9410-02	5.2405+04	7.1399-04	3.3930+00
35	457.87	5.6166+00	8.8061-01	2.4437-03	8.8061-01	2.4437-03	5.1146-04	2.5841-02	4.6046+04	6.2726-04	3.7770+00
36	557.86	1.8242+02	3.1722+01	9.4334-02	3.1722+01	9.4334-02	1.9744-02	9.9757-01	1.7776+06	2.4328-02	1.3070+00
37	480.50	9.5948+00	1.6326+00	4.5998-03	1.6326+00	4.5998-03	9.6276-04	4.8643-02	8.6675+04	1.1820-03	2.4660+00
38	465.87	6.3200+00	1.0400+00	2.9014-03	1.0400+00	2.9014-03	6.0726-04	3.0682-02	5.4671+04	7.4503-04	3.0090+00
39	457.22	5.3829+00	8.7532-01	2.4279-03	8.7532-01	2.4279-03	5.0817-04	2.5675-02	4.5750+04	6.2321-04	3.3930+00
40	455.95	5.9444+00	9.5705-01	2.6524-03	9.5705-01	2.6524-03	5.5515-04	2.8048-02	4.9979+04	6.8078-04	3.7770+00
41	459.50	6.3418+00	1.0016+00	2.7826-03	1.0016+00	2.7826-03	5.8240-04	2.9425-02	5.2432+04	7.1431-04	4.1620+00
43	476.13	7.5418+00	1.2683+00	3.5629-03	1.2683+00	3.5629-03	7.4573-04	3.7677-02	6.7137+04	9.1534-04	5.3230+00
47	463.71	1.5293+01	2.4827+00	6.9163-03	2.4827+00	6.9163-03	1.4476-03	7.3138-02	1.3032+05	1.7758-03	7.1100-01
48	503.06	8.4982+01	1.4415+01	4.1246-02	1.4415+01	4.1246-02	8.6329-03	4.3617-01	7.7720+05	1.0610-02	1.0880+00
49	532.76	1.7200+02	2.9902+01	8.7349-02	2.9902+01	8.7349-02	1.8282-02	9.2371-01	1.6459+06	2.2500-02	1.3070+00
50	510.42	9.7866+01	1.6878+01	4.8539-02	1.6878+01	4.8539-02	1.0159-02	5.1329-01	9.1462+05	1.2490-02	1.6410+00
51	480.12	4.4033+01	7.5124+00	2.1161-02	7.5124+00	2.1161-02	4.4290-03	2.2377-01	3.9873+05	5.4373-03	1.7720+00
52	476.65	3.1668+00	5.3904-01	1.5148-03	5.3904-01	1.5148-03	3.1705-04	1.6019-02	2.8543+04	3.8917-04	2.4660+00
53	462.48	5.2800+00	8.6686-01	2.4129-03	8.6686-01	2.4129-03	5.0503-04	2.5516-02	4.5467+04	6.1951-04	3.0090+00
54	455.92	5.6784+00	9.1700-01	2.5413-03	9.1700-01	2.5413-03	5.3191-04	2.6874-02	4.7887+04	6.5228-04	3.3930+00
55	455.18	5.3527+00	8.4821-01	2.3495-03	8.4821-01	2.3495-03	4.9176-04	2.4846-02	4.4272+04	6.0303-04	3.7770+00
56	460.57	3.8816+00	6.0013-01	1.6683-03	6.0013-01	1.6683-03	3.4919-04	1.7642-02	3.1437+04	4.2830-04	4.1100-01
57	464.32	1.5464+01	2.4962+00	6.9567-03	2.4962+00	6.9567-03	1.4561-03	7.3566-02	1.3109+05	1.7862-03	7.1100-01
58	496.28	8.7235+01	1.4733+01	4.1959-02	1.4733+01	4.1959-02	8.7822-03	4.4371-01	7.9065+05	1.0790-02	1.0880+00
59	545.63	1.6424+02	2.8692+01	8.4582-02	2.8692+01	8.4582-02	1.7703-02	8.9444-01	1.5938+06	2.1800-02	1.3070+00
60	512.09	1.0013+02	1.7184+01	4.9477-02	1.7184+01	4.9477-02	1.0356-02	5.2321-01	9.3231+05	1.2732-02	1.6410+00
61	461.76	4.1803+00	6.8392-01	1.9028-03	6.8392-01	1.9028-03	3.9826-04	2.0122-02	3.5854+04	4.8851-04	3.0090+00
62	454.24	3.9917+00	6.4387-01	1.7824-03	6.4387-01	1.7824-03	3.7306-04	1.8849-02	3.3586+04	4.5745-04	3.3930+00
63	455.53	4.3714+00	6.9267-01	1.9197-03	6.9267-01	1.9197-03	4.0180-04	2.0301-02	3.6173+04	4.9272-04	3.7770+00
64	495.60	8.7066+01	1.5005+01	4.2715-02	1.5005+01	4.2715-02	8.9403-03	4.5170-01	8.0488+05	1.0983-02	1.0880+00
65	547.23	1.6544+02	2.9447+01	8.6905-02	2.9447+01	8.6905-02	1.8199-02	9.1961-01	1.6376+06	2.2401-02	1.3070+00
66	512.31	1.0039+02	1.7486+01	5.0355-02	1.7486+01	5.0355-02	1.0[illegible]	5.3250-01	9.4884+05	1.2958-02	1.6410+00
69	457.33	5.4197+00	9.1068-01	2.5262-03	9.1068-01	2.5262-03	5.2874-04	2.6714-02	4.7601+04	6.4843-04	4.1100-01
70	459.65	1.4322+01	2.4102+00	6.6962-03	2.4102+00	6.6962-03	1.4015-03	7.0812-02	1.2618+05	1.7190-03	7.1100-01
71	555.24	1.6170+02	2.8835+01	8.5589-02	2.8835+01	8.5589-02	1.7914-02	9.0509-01	1.6128+06	2.2070-02	1.3070+00
72	518.28	1.0045+02	1.7563+01	5.0785-02	1.7563+01	5.0785-02	1.0629-02	5.3704-01	9.5695+05	1.3073-02	1.6410+00
73	466.59	5.2977+00	8.6169-01	2.4052-03	8.6169-01	2.4052-03	5.0340-04	2.5434-02	4.5321+04	6.1763-04	3.7770+00
74	486.37	7.3740+00	1.2337+00	3.4899-03	1.2337+00	3.4899-03	7.3044-04	3.6905-02	6.5760+04	8.9699-04	5.3230+00
77	457.87	3.7138+00	6.1878-01	1.7171-03	6.1878-01	1.7171-03	3.5939-04	1.8158-02	3.2355+04	4.4076-04	3.0090+00
78	454.71	4.0940+00	6.7264-01	1.8626-03	6.7264-01	1.8626-03	3.8985-04	1.9697-02	3.5098+04	4.7805-04	3.3930+00
79	455.98	4.0338+00	6.5143-01	1.8054-03	6.5143-01	1.8054-03	3.7788-04	1.9092-02	3.4020+04	4.6339-04	3.7770+00
80	475.18	2.7683+00	4.7214-01	1.3255-03	4.7214-01	1.3255-03	2.7743-04	1.4017-02	2.4976+04	3.4051-04	2.4660+00
81	458.42	3.6062+00	6.0168-01	1.6686-03	6.0168-01	1.6686-03	3.4924-04	1.7645-02	3.1441+04	4.2832-04	3.0090+00
82	452.54	3.7434+00	6.1595-01	1.7032-03	6.1595-01	1.7032-03	3.5648-04	1.8011-02	3.2093+04	4.3708-04	3.3930+00
83	453.80	4.0966+00	6.6863-01	1.8504-03	6.6863-01	1.8504-03	3.8729-04	1.9568-02	3.4867+04	4.7489-04	3.7770+00
337	520.33	4.0269+01	7.7301+00	2.2385-02	7.7301+00	2.2385-02	4.6852-03	2.3672-01	4.2180+05	5.7626-03	7.1680+00
339	495.23	1.4127+01	2.7258+00	7.7575-03	2.7258+00	7.7575-03	1.6237-03	8.2035-02	1.4618+05	1.9947-03	8.1130+00
340	480.28	2.8192+00	5.2745-01	1.4859-03	5.2745-01	1.4859-03	3.1100-04	1.5713-02	2.7999+04	3.8180-04	8.6180+00
342	515.25	3.9050+01	7.7114+00	2.2252-02	7.7114+00	2.2252-02	4.6573-03	2.3531-01	4.1929+05	5.7270-03	7.1680+00
344	495.07	1.6674+01	3.2338+00	9.2021-03	3.2338+00	9.2021-03	1.9260-03	9.7311-02	1.7340+05	2.3661-03	8.1130+00
347	513.71	3.7489+01	7.1668+00	2.0658-02	7.1668+00	2.0658-02	4.3238-03	2.1846-01	3.8926+05	5.3164-03	7.1680+00
349	495.24	1.7693+01	3.4229+00	9.7415-03	3.4229+00	9.7415-03	2.0389-03	1.0301-01	1.8356+05	2.5048-03	8.1130+00
350	479.74	3.5969+00	6.3503-01	1.7883-03	6.3503-01	1.7883-03	3.7429-04	1.8911-02	3.3697+04	4.5950-04	8.6180+00
352	520.13	4.3231+01	8.0987+00	2.3449-02	8.0987+00	2.3449-02	4.9079-03	2.4797-01	4.4185+05	6.0365-03	7.1680+00
354	502.79	2.1956+01	4.2571+00	1.2179-02	4.2571+00	1.2179-02	2.5490-03	1.2879-01	2.2948+05	3.1326-03	8.1130+00
357	521.01	4.4104+01	8.2441+00	2.3885-02	8.2441+00	2.3885-02	4.9991-03	2.5258-01	4.5006+05	6.1489-03	7.1680+00
359	505.14	2.3979+01	4.3525+00	1.2472-02	4.3525+00	1.2472-02	2.6104-03	1.3189-01	2.3501+05	3.2084-03	8.1130+00
401	468.41	1.2095+01	1.0118+00	2.8276-03	1.0118+00	2.8276-03	5.9182-04	2.9901-02	5.3281+04	7.2617-04	4.5500-01
403	475.82	1.7893+01	1.4864+00	4.1748-03	1.4864+00	4.1748-03	8.7379-04	4.4148-02	7.8666+04	1.0725-03	6.8600-01
404	369.69	2.5056+02	1.9417+01	5.0897-02	1.9417+01	5.0897-02	1.0653-02	5.3822-01	9.5905+05	1.3014-02	8.0100-01
405	515.14	6.7545+01	5.7556+00	1.6607-02	5.7556+00	1.6607-02	3.4758-03	1.7561-01	3.1292+05	4.2741-03	1.0510+00
406	527.50	1.1007+02	9.5084+00	2.7673-02	9.5084+00	2.7673-02	5.7921-03	2.9264-01	5.2145+05	7.1264-03	1.1670+00
407	582.27	1.9335+02	1.7568+01	5.3177-02	1.7568+01	5.3177-02	1.1130-02	5.6234-01	1.0020+06	1.3730-02	1.2830+00
408	471.40	1.5922+01	1.3030+00	3.6486-03	1.3030+00	3.6486-03	7.6367-04	3.8584-02	6.8752+04	9.3715-04	5.1300-01
409	470.27	1.8566+01	1.5459+00	4.3255-03	1.5459+00	4.3255-03	9.0535-04	4.5742-02	8.1507+04	1.1110-03	5.7000-01
410	474.31	2.0278+01	1.6325+00	4.5803-03	1.6325+00	4.5803-03	9.5867-04	4.8436-02	8.6307+04	1.1766-03	6.2800-01
411	478.23	2.5071+01	2.0985+00	5.9035-03	2.0985+00	5.9035-03	1.2356-03	6.2429-02	1.1124+05	1.5168-03	6.8600-01
412	482.49	1.7661+01	1.4736+00	4.1575-03	1.4736+00	4.1575-03	8.7018-04	4.3965-02	7.8341+04	1.0684-03	7.4400-01
413	486.33	3.5263+01	2.9851+00	8.4438-03	2.9851+00	8.4438-03	1.7673-03	8.9292-02	1.5911+05	2.1703-03	8.0100-01
414	488.34	3.7758+01	3.1626+00	8.9584-03	3.1626+00	8.9584-03	1.8750-03	9.4733-02	1.6880+05	2.3027-03	8.5900-01
415	496.75	4.7284+01	4.0060+00	1.1413-02	4.0060+00	1.1413-02	2.3887-03	1.2069-01	2.1505+05	2.9348-03	9.1700-01
416	476.32	1.9421+01	1.5076+00	4.2356-03	1.5076+00	4.2356-03	8.8652-04	4.4791-02	7.9811+04	1.0882-03	5.7000-01
417	511.17	6.8326+01	5.8075+00	1.6710-02	5.8075+00	1.6710-02	3.4975-03	1.7671-01	3.1488+05	4.3000-03	1.0520+00

CONFIDENTIAL

36 1 11.99 -.01 .00 -.00 402 1 2.15 10.18 1641.5 1861.2

9.00337+01 3.36752-02 2.44287+00 4.73309+03 3.13810-05 7.29273-08 1.70865-01 7.72000+00 7.60320-06 7.40476-02

1	456.85	7.2088+00	1.2109+00	3.3588-03	1.2109+00	3.3588-03	7.0286-04	3.5519-02	6.3312+04	8.6222-04	4.1100-01
2	455.67	1.3347+01	2.2401+00	6.2087-03	2.2401+00	6.2087-03	1.2992-03	6.5656-02	1.1703+05	1.5937-03	7.1100-01
3	583.21	1.6885+02	3.0701+01	9.3021-02	3.0701+01	9.3021-02	1.9465-02	9.8368-01	1.7534+06	2.4022-02	1.3070+00
4	538.59	1.0707+02	1.8957+01	5.5622-02	1.8957+01	5.5622-02	1.1639-02	5.8819-01	1.0485+06	1.4333-02	1.6410+00
5	487.05	4.3216+01	7.7532+00	2.1948-02	7.7532+00	2.1948-02	4.5929-03	2.3210-01	4.1372+05	5.6420-03	1.7720+00
6	476.08	2.7745+00	4.6520-01	1.3072-03	4.6520-01	1.3072-03	2.7353-04	1.3823-02	2.4639+04	3.3585-04	2.4660+00
7	461.37	3.7787+00	6.2550-01	1.7403-03	6.2550-01	1.7403-03	3.6417-04	1.8403-02	3.2804+04	4.4683-04	3.0090+00
8	454.36	4.3886+00	7.1655-01	1.9843-03	7.1655-01	1.9843-03	4.1523-04	2.0984-02	3.7403+04	5.0932-04	3.3930+00
9	452.53	3.6364+00	5.9300-01	1.6401-03	5.9300-01	1.6401-03	3.4322-04	1.7344-02	3.0916+04	4.2095-04	3.7770+00
10	475.26	6.7179+00	1.1157+00	3.1334-03	1.1157+00	3.1334-03	6.5569-04	3.3135-02	5.9063+04	8.0503-04	5.3230+00
14	487.99	5.9567+01	1.0215+01	2.8937-02	1.0215+01	2.8937-02	6.0552-03	3.0600-01	5.4544+05	7.4388-03	1.0880+00
15	575.76	1.7183+02	3.1108+01	9.3741-02	3.1108+01	9.3741-02	1.9616-02	9.9130-01	1.7670+06	2.4199-02	1.3070+00
16	523.05	1.0141+02	1.7784+01	5.1611-02	1.7784+01	5.1611-02	1.0800-02	5.4577-01	9.7284+05	1.3289-02	1.6410+00
19	463.18	5.3236+00	8.1667-01	2.2749-03	8.1667-01	2.2749-03	4.7604-04	2.4057-02	4.2881+04	5.8414-04	4.1100-01
20	465.91	1.3723+01	2.2107+00	6.1693-03	2.2107+00	6.1693-03	1.2910-03	6.5239-02	1.1629+05	1.5843-03	7.1100-01
21	498.98	7.4456+01	1.2446+01	3.5522-02	1.2446+01	3.5522-02	7.4333-03	3.7564-01	6.6958+05	9.1364-03	1.0880+00
22	571.10	1.6784+02	2.9504+01	8.8609-02	2.9504+01	8.8609-02	1.8542-02	9.3703-01	1.6702+06	2.2869-02	1.3070+00
23	764.34	5.9221-02	1.1341-02	3.9655-05	1.1341-02	3.9655-05	8.2981-06	4.1934-04	7.4748+02	1.0339-05	1.6410+00
24	471.72	3.9288+00	6.4904-01	1.8183-03	6.4904-01	1.8183-03	3.8050-04	1.9229-02	3.4275+04	4.6709-04	3.0090+00
25	465.82	3.8727+00	6.2194-01	1.7355-03	6.2194-01	1.7355-03	3.6317-04	1.8353-02	3.2714+04	4.4570-04	3.3930+00
26	461.82	3.9668+00	6.3924-01	1.7790-03	6.3924-01	1.7790-03	3.7228-04	1.8813-02	3.3534+04	4.5679-04	3.7770+00
27	465.90	1.4121+01	2.2748+00	6.3482-03	2.2748+00	6.3482-03	1.3284-03	6.7131-02	1.1966+05	1.6303-03	7.1100-01
28	503.71	8.1243+01	1.3622+01	3.9005-02	1.3622+01	3.9005-02	8.1621-03	4.1247-01	7.3522+05	1.0034-02	1.0880+00
29	590.78	1.6508+02	2.9616+01	9.0235-02	2.9616+01	9.0235-02	1.8882-02	9.5422-01	1.7009+06	2.3311-02	1.3070+00
30	521.54	9.8133+01	1.6942+01	4.9116-02	1.6942+01	4.9116-02	1.0278-02	5.1939-01	9.2581+05	1.2646-02	1.6410+00
31	482.46	4.5341+01	7.7476+00	2.1864-02	7.7476+00	2.1864-02	4.5752-03	2.3121-01	4.1213+05	5.6192-03	1.7720+00
32	478.16	2.9704+00	4.9872-01	1.4033-03	4.9872-01	1.4033-03	2.9366-04	1.4840-02	2.6452+04	3.6059-04	2.4660+00
33	468.85	5.5262+00	9.2486-01	2.5861-03	9.2486-01	2.5861-03	5.4116-04	2.7347-02	4.8747+04	6.6422-04	3.0090+00
34	462.41	6.1647+00	1.0121+00	2.8177-03	1.0121+00	2.8177-03	5.8963-04	2.9797-02	5.3113+04	7.2351-04	3.3930+00
35	459.23	5.5558+00	8.7189-01	2.4223-03	8.7189-01	2.4223-03	5.0689-04	2.5616-02	4.5660+04	6.2189-04	3.7770+00
36	602.21	1.7358+02	3.0972+01	9.5170-02	3.0972+01	9.5170-02	1.9915-02	1.0064+00	1.7939+06	2.4600-02	1.3070+00
37	482.94	9.7818+00	1.6671+00	4.7061-03	1.6671+00	4.7061-03	9.8480-04	4.9766-02	8.8708+04	1.2095-03	2.4660+00
38	467.46	6.5590+00	1.0805+00	3.0183-03	1.0805+00	3.0183-03	6.3162-04	3.1919-02	5.6895+04	7.7520-04	3.0090+00
39	458.54	5.2909+00	8.6114-01	2.3914-03	8.6114-01	2.3914-03	5.0041-04	2.5288-02	4.5076+04	6.1392-04	3.3930+00
40	457.40	5.9371+00	9.5682-01	2.6551-03	9.5682-01	2.6551-03	5.5559-04	2.8077-02	5.0047+04	6.8158-04	3.7770+00
41	461.07	6.3449+00	1.0032+00	2.7906-03	1.0032+00	2.7906-03	5.8395-04	2.9510-02	5.2601+04	7.1649-04	4.1620+00
43	477.97	7.4862+00	1.2605+00	3.5464-03	1.2605+00	3.5464-03	7.4211-04	3.7502-02	6.6847+04	9.1125-04	5.3230+00
47	467.65	1.5703+01	2.5560+00	7.1412-03	2.5560+00	7.1412-03	1.4944-03	7.5517-02	1.3461+05	1.8341-03	7.1100-01
48	525.63	8.8130+01	1.5163+01	4.4086-02	1.5163+01	4.4086-02	9.2253-03	4.6620-01	8.3100+05	1.1353-02	1.0880+00
49	574.93	1.6417+02	2.9271+01	8.8153-02	2.9271+01	8.8153-02	1.8447-02	9.3221-01	1.6617+06	2.2756-02	1.3070+00
50	534.44	9.4923+01	1.6617+01	4.8613-02	1.6617+01	4.8613-02	1.0173-02	5.1408-01	9.1634+05	1.2524-02	1.6410+00
51	491.41	4.5328+01	7.7907+00	2.2120-02	7.7907+00	2.2120-02	4.6288-03	2.3392-01	4.1695+05	5.6874-03	1.7720+00
52	477.46	3.2478+00	5.5313-01	1.5557-03	5.5313-01	1.5557-03	3.2554-04	1.6451-02	2.9324+04	3.9973-04	2.4660+00
53	483.84	5.4587+00	8.9719-01	2.5003-03	8.9719-01	2.5003-03	5.2321-04	2.6440-02	4.7130+04	6.4204-04	3.0090+00
54	457.35	5.7096+00	9.2293-01	2.5609-03	9.2293-01	2.5609-03	5.3589-04	2.7081-02	4.8272+04	6.5741-04	3.3930+00
55	456.51	5.3288+00	8.4519-01	2.3439-03	8.4519-01	2.3439-03	4.9048-04	2.4786-02	4.4181+04	6.0167-04	3.7770+00
56	461.62	3.7361+00	5.7805-01	1.6085-03	5.7805-01	1.6085-03	3.3660-04	1.7010-02	3.0320+04	4.1301-04	4.1100-01
57	468.40	1.6136+01	2.6117+00	7.3008-03	2.6117+00	7.3008-03	1.5278-03	7.7205-02	1.3762+05	1.8751-03	7.1100-01
58	519.38	9.0155+01	1.5451+01	4.4727-02	1.5451+01	4.4727-02	9.3596-03	4.7298-01	8.4309+05	1.1515-02	1.0880+00
59	585.30	1.5623+02	2.7941+01	8.4789-02	2.7941+01	8.4789-02	1.7743-02	8.9663-01	1.5982+06	2.1898-02	1.3070+00
60	536.64	9.7186+01	1.6936+01	4.9623-02	1.6936+01	4.9623-02	1.0384-02	5.2475-01	9.3536+05	1.2786-02	1.6410+00
61	462.78	4.1636+00	6.8166-01	1.8983-03	6.8166-01	1.8983-03	3.9724-04	2.0074-02	3.5783+04	4.8744-04	3.0090+00
62	455.21	3.9662+00	6.4019-01	1.7738-03	6.4019-01	1.7738-03	3.7119-04	1.8758-02	3.3436+04	4.5532-04	3.3930+00
63	456.54	4.1917+00	6.6484-01	1.8438-03	6.6484-01	1.8438-03	3.8583-04	1.9498-02	3.4755+04	4.7330-04	3.7770+00
64	518.57	8.9924+01	1.5726+01	4.5496-02	1.5726+01	4.5496-02	9.5204-03	4.8111-01	8.5757+05	1.1712-02	1.0880+00
65	587.27	1.5774+02	2.8747+01	8.7362-02	2.8747+01	8.7362-02	1.8281-02	9.2384-01	1.6467+06	2.2565-02	1.3070+00
66	536.92	9.7302+01	1.7211+01	5.0437-02	1.7211+01	5.0437-02	1.0554-02	5.3336-01	9.5072+05	1.2996-02	1.6410+00
69	458.71	5.5444+00	9.3250-01	2.5898-03	9.3250-01	2.5898-03	5.4194-04	2.7387-02	4.8817+04	6.6487-04	4.1100-01
70	463.29	1.5085+01	2.5449+00	7.0895-03	2.5449+00	7.0895-03	1.4836-03	7.4971-02	1.3364+05	1.8205-03	7.1100-01
71	594.27	1.5407+02	2.8108+01	8.5862-02	2.8108+01	8.5862-02	1.7967-02	9.0798-01	1.6185+06	2.2185-02	1.3070+00
72	542.69	9.6625+01	1.7151+01	5.0469-02	1.7151+01	5.0469-02	1.0561-02	5.3370-01	9.5132+05	1.3008-02	1.6410+00
73	467.53	4.1106+00	6.6904-01	1.8691-03	6.6904-01	1.8691-03	3.9113-04	1.9766-02	3.5232+04	4.8004-04	3.7770+00
74	487.79	6.0826+00	1.0186+00	2.8849-03	1.0186+00	2.8849-03	6.0369-04	3.0507-02	5.4379+04	7.4162-04	5.3230+00
77	458.81	3.7792+00	6.3008-01	1.7500-03	6.3008-01	1.7500-03	3.6621-04	1.8506-02	3.2987+04	4.4928-04	3.0090+00
78	455.75	4.2332+00	6.9600-01	1.9292-03	6.9600-01	1.9292-03	4.0370-04	2.0401-02	3.6364+04	4.9520-04	3.3930+00
79	457.02	4.1725+00	6.7431-01	1.8706-03	6.7431-01	1.8706-03	3.9144-04	1.9782-02	3.5260+04	4.8020-04	3.7770+00
80	475.87	2.9335+00	5.0054-01	1.4063-03	5.0054-01	1.4063-03	2.9427-04	1.4871-02	2.6507+04	3.6131-04	2.4660+00
81	459.33	3.6623+00	6.1081-01	1.6971-03	6.1081-01	1.6971-03	3.5513-04	1.7946-02	3.1989+04	4.3570-04	3.0090+00
82	453.51	4.0727+00	6.7059-01	1.8560-03	6.7059-01	1.8560-03	3.8838-04	1.9626-02	3.4984+04	4.7636-04	3.3930+00
83	454.87	4.2670+00	6.9695-01	1.9307-03	6.9695-01	1.9307-03	4.0401-04	2.0416-02	3.6392+04	4.9557-04	3.7770+00
337	530.31	3.9873+01	7.7018+00	2.2466-02	7.7018+00	2.2466-02	4.7012-03	2.3757-01	4.2347+05	5.7868-03	7.1680+00
339	498.81	1.4474+01	2.7993+00	7.9884-03	2.7993+00	7.9884-03	1.6716-03	8.4476-02	1.5058+05	2.0546-03	8.1130+00
340	481.01	2.8940+00	5.4171-01	1.5272-03	5.4171-01	1.5272-03	3.1958-04	1.6150-02	2.8787+04	3.9248-04	8.6180+00
342	524.96	3.8689+01	7.6868+00	2.2338-02	7.6868+00	2.2338-02	4.6744-03	2.3622-01	4.2106+05	5.7524-03	7.1680+00
344	499.25	1.6689+01	3.2455+00	9.2646-03	3.2455+00	9.2646-03	1.9387-03	9.7972-02	1.7463+05	2.3829-03	8.1130+00
347	522.72	3.6243+01	6.9678+00	2.0217-02	6.9678+00	2.0217-02	4.2305-03	2.1379-01	3.8108+05	5.2056-03	7.1680+00
349	499.32	1.6401+01	3.1812+00	9.0815-03	3.1812+00	9.0815-03	1.9004-03	9.6035-02	1.7118+05	2.3358-03	8.1130+00
350	480.53	3.2306+00	5.7067-01	1.6084-03	5.7067-01	1.6084-03	3.3656-04	1.7008-02	3.0317+04	4.1332-04	8.6180+00
352	529.85	3.9016+01	7.3534+00	2.1443-02	7.3534+00	2.1443-02	4.4870-03	2.2675-01	4.0418+05	5.5231-03	7.1680+00
354	507.33	1.8127+01	3.5250+00	1.0119-02	3.5250+00	1.0119-02	2.1174-03	1.0700-01	1.9073+05	2.6036-03	8.1130+00
357	530.98	3.9680+01	7.4633+00	2.1780-02	7.4633+00	2.1780-02	4.5577-03	2.3032-01	4.1055+05	5.6104-03	7.1680+00
359	510.00	1.8928+01	3.4463+00	9.9110-03	3.4463+00	9.9110-03	2.0740-03	1.0481-01	1.8682+05	2.5505-03	8.1130+00
401	471.45	1.2038+01	1.0091+00	2.8266-03	1.0091+00	2.8266-03	5.9149-04	2.9891-02	5.3280+04	7.2609-04	4.5500-01
403	480.37	1.8212+01	1.5175+00	4.2763-03	1.5175+00	4.2763-03	8.9486-04	4.5221-02	8.0607+04	1.0989-03	6.8600-01
404	427.67	1.9451+02	1.5729+01	4.2797-02	1.5729+01	4.2797-02	8.9556-03	4.5257-01	8.0670+05	1.0972-02	8.0100-01
405	532.40	6.8797+01	5.9256+00	1.7310-02	5.9256+00	1.7310-02	3.6223-03	1.8305-01	3.2629+05	4.4592-03	1.0510+00
406	556.12	1.1496+02	1.0106+01	3.0024-02	1.0106+01	3.0024-02	6.2828-03	3.1750-01	5.6594+05	7.7432-03	1.1670+00
407	631.03	1.8837+02	1.7590+01	5.5234-02	1.7590+01	5.5234-02	1.1558-02	5.8410-01	1.0411+06	1.4298-02	1.2830+00
408	475.43	1.6056+01	1.3175+00	3.7004-03	1.3175+00	3.7004-03	7.7434-04	3.9131-02	6.9751+04	9.5072-04	5.1300-01
409	474.96	1.8689+01	1.5610+00	4.3828-03	1.5610+00	4.3828-03	9.1715-04	4.6348-02	8.2615+04	1.1260-03	5.7000-01
410	479.49	2.0600+01	1.6641+00	4.6867-03	1.6641+00	4.6867-03	9.8073-04	4.9561-02	8.8342+04	1.2043-03	6.2800-01
411	484.63	2.5419+01	2.1367+00	6.0387-03	2.1367+00	6.0387-03	1.2636-03	6.3858-02	1.1383+05	1.5521-03	6.8600-01
412	487.03	1.8046+01	1.5102+00	4.2751-03	1.5102+00	4.2751-03	8.9460-04	4.5209-02	8.0584+04	1.0990-03	7.4400-01
413	495.26	3.5311+01	3.0065+00	8.5589-03	3.0065+00	8.5589-03	1.7910-03	9.0509-02	1.6133+05	2.2010-03	8.0100-01
414	497.90	3.8256+01	3.2242+00	9.1952-03	3.2242+00	9.1952-03	1.9242-03	9.7238-02	1.7333+05	2.3649-03	8.5900-01
415	508.67	4.7601+01	4.0637+00	1.1676-02	4.0637+00	1.1676-02	2.4433-03	1.2347-01	2.2009+05	3.0044-03	9.1700-01
416	481.24	1.9699+01	1.5342+00	4.3259-03	1.5342+00	4.3259-03	9.0523-04	4.5746-02	8.1541+04	1.1117-03	5.7000-01
417	528.69	7.1218+01	6.1201+00	1.7832-02	6.1201+00	1.7832-02	3.7314-03	1.8857-01	3.3612+05	4.5928-03	1.0520+00

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36 1 11.98 -.02 .00 -.00 402 1 2.40 10.18 1641.5 1862.3

9.00887+01 3.36715-02 2.44260+00 4.73453+03 3.13584-05 7.29719-08 1.70690-01 7.72000+00 7.60843-06 7.40419-02

1	458.65	7.1439+00	1.2015+00	3.3389-03	1.2015+00	3.3389-03	6.9899-04	3.5308-02	6.2894+04	8.5597-04	4.1100-01
2	459.13	1.3820+01	2.3250+00	6.4632-03	2.3250+00	6.4632-03	1.3530-03	6.8347-02	1.2175+05	1.6570-03	7.1100-01
3	624.25	1.6153+02	3.0055+01	9.3965-02	3.0055+01	9.3965-02	1.9671-02	9.9366-01	1.7700+06	2.4277-02	1.3070+00
4	564.91	1.0378+02	1.8669+01	5.5858-02	1.8669+01	5.5858-02	1.1694-02	5.9069-01	1.0522+06	1.4390-02	1.6410+00
5	498.06	4.4162+01	7.9796+00	2.2776-02	7.9796+00	2.2776-02	4.7680-03	2.4085-01	4.2902+05	5.8492-03	1.7720+00
6	476.75	2.8197+00	4.7299-01	1.3306-03	4.7299-01	1.3306-03	2.7855-04	1.4070-02	2.5063+04	3.4138-04	2.4660+00
7	462.32	3.8473+00	6.3726-01	1.7753-03	6.3726-01	1.7753-03	3.7166-04	1.8774-02	3.3441+04	4.5520-04	3.0090+00
8	455.48	4.4919+00	7.3399-01	2.0355-03	7.3399-01	2.0355-03	4.2612-04	2.1525-02	3.8342+04	5.2175-04	3.3930+00
9	453.42	3.9844+00	6.5015-01	1.8005-03	6.5015-01	1.8005-03	3.7693-04	1.9040-02	3.3915+04	4.6147-04	3.7770+00
10	476.95	6.7709+00	1.1258+00	3.1674-03	1.1258+00	3.1674-03	6.6308-04	3.3494-02	5.9663+04	8.1266-04	5.3230+00
14	503.19	6.0242+01	1.0433+01	2.9884-02	1.0433+01	2.9884-02	6.2560-03	3.1602-01	5.6291+05	7.6764-03	1.0880+00
15	617.48	1.6400+02	3.0402+01	9.4565-02	3.0402+01	9.4565-02	1.9797-02	1.0000+00	1.7813+06	2.4424-02	1.3070+00
16	548.04	9.8772+01	1.7589+01	5.1993-02	1.7589+01	5.1993-02	1.0885-02	5.4982-01	9.7938+05	1.3384-02	1.6410+00
19	464.54	5.4530+00	8.3728-01	2.3360-03	8.3728-01	2.3360-03	4.8904-04	2.4703-02	4.4003+04	5.9903-04	4.1100-01
20	469.43	1.4103+01	2.2773+00	6.3747-03	2.2773+00	6.3747-03	1.3345-03	6.7411-02	1.2008+05	1.6350-03	7.1100-01
21	518.07	7.5185+01	1.2721+01	3.6817-02	1.2721+01	3.6817-02	7.7074-03	3.8933-01	6.9350+05	9.4639-03	1.0880+00
22	611.78	1.6040+02	2.8861+01	8.9386-02	2.8861+01	8.9386-02	1.8713-02	9.4524-01	1.6837+06	2.3080-02	1.3070+00
23	764.36	9.9740-02	1.9101-02	6.6846-05	1.9101-02	6.6846-05	1.3994-05	7.0688-04	1.2591+03	1.7398-05	1.6410+00
24	472.71	4.0083+00	6.6260-01	1.8589-03	6.6260-01	1.8589-03	3.8915-04	1.9657-02	3.5015+04	4.7684-04	3.0090+00
25	466.80	3.9231+00	6.3045-01	1.7616-03	6.3045-01	1.7616-03	3.6879-04	1.8629-02	3.3183+04	4.5178-04	3.3930+00
26	462.83	4.0810+00	6.5810-01	1.8340-03	6.5810-01	1.8340-03	3.8394-04	1.9394-02	3.4546+04	4.7026-04	3.7770+00
27	469.46	1.4087+01	2.2748+00	6.3679-03	2.2748+00	6.3679-03	1.3331-03	6.7339-02	1.1995+05	1.6333-03	7.1100-01
28	524.73	8.2257+01	1.3976+01	4.0636-02	1.3976+01	4.0636-02	8.5071-03	4.2972-01	7.6545+05	1.0449-02	1.0880+00
29	631.04	1.5822+02	2.9030+01	9.1231-02	2.9030+01	9.1231-02	1.9099-02	9.6475-01	1.7185+06	2.3578-02	1.3070+00
30	545.67	9.5599+01	1.6751+01	4.9433-02	1.6751+01	4.9433-02	1.0349-02	5.2274-01	9.3114+05	1.2723-02	1.6410+00
31	493.95	4.6038+01	7.9258+00	2.2559-02	7.9258+00	2.2559-02	4.7225-03	2.3855-01	4.2493+05	5.7923-03	1.7720+00
32	478.94	3.1127+00	5.2269-01	1.4731-03	5.2269-01	1.4731-03	3.0839-04	1.5578-02	2.7748+04	3.7799-04	2.4660+00
33	470.29	5.6717+00	9.5011-01	2.6611-03	9.5011-01	2.6611-03	5.5709-04	2.8141-02	5.0126+04	6.8255-04	3.0090+00
34	463.98	6.2073+00	1.0201+00	2.8451-03	1.0201+00	2.8451-03	5.9561-04	3.0087-02	5.3592+04	7.2955-04	3.3930+00
35	460.63	5.5901+00	8.7810-01	2.4435-03	8.7810-01	2.4435-03	5.1154-04	2.5840-02	4.6028+04	6.2648-04	3.7770+00
36	644.66	1.6521+02	3.0173+01	9.5816-02	3.0173+01	9.5816-02	2.0059-02	1.0132+00	1.8048+06	2.4780-02	1.3070+00
37	485.40	9.7164+00	1.6586+00	4.6932-03	1.6586+00	4.6932-03	9.8250-04	4.9630-02	8.8404+04	1.2046-03	2.4660+00
38	469.14	6.7195+00	1.1081+00	3.1013-03	1.1081+00	3.1013-03	6.4924-04	3.2796-02	5.8418+04	7.9543-04	3.0090+00
39	459.88	5.3761+00	8.7580-01	2.4359-03	8.7580-01	2.4359-03	5.0994-04	2.5759-02	4.5884+04	6.2450-04	3.3930+00
40	458.90	5.9839+00	9.6534-01	2.6832-03	9.6534-01	2.6832-03	5.6171-04	2.8374-02	5.0542+04	6.8787-04	3.7770+00
41	462.65	6.3532+00	1.0056+00	2.8021-03	1.0056+00	2.8021-03	5.8660-04	2.9632-02	5.2782+04	7.1847-04	4.1620+00
43	479.85	7.4681+00	1.2590+00	3.5491-03	1.2590+00	3.5491-03	7.4299-04	3.7531-02	6.6853+04	9.1072-04	5.3230+00
47	471.58	1.5674+01	2.5580+00	7.1708-03	2.5580+00	7.1708-03	1.5012-03	7.5830-02	1.3507+05	1.8394-03	7.1100-01
48	547.55	8.6455+01	1.5076+01	4.4549-02	1.5076+01	4.4549-02	9.3262-03	4.7110-01	8.3915+05	1.1467-02	1.0880+00
49	614.79	1.5676+02	2.8592+01	8.8753-02	2.8592+01	8.8753-02	1.8580-02	9.3855-01	1.6718+06	2.2920-02	1.3070+00
50	557.84	9.2269+01	1.6383+01	4.8769-02	1.6383+01	4.8769-02	1.0210-02	5.1573-01	9.1865+05	1.2560-02	1.6410+00
51	502.88	4.5941+01	7.9546+00	2.2780-02	7.9546+00	2.2780-02	4.7689-03	2.4089-01	4.2910+05	5.8516-03	1.7720+00
52	478.28	3.3745+00	5.7503-01	1.6193-03	5.7503-01	1.6193-03	3.3899-04	1.7124-02	3.0502+04	4.1549-04	2.4660+00
53	465.22	5.4629+00	8.9854-01	2.5081-03	8.9854-01	2.5081-03	5.2506-04	2.6523-02	4.7244+04	6.4316-04	3.0090+00
54	458.78	5.7122+00	9.2424-01	2.5687-03	9.2424-01	2.5687-03	5.3775-04	2.7164-02	4.8386+04	6.5853-04	3.3930+00
55	457.84	5.3522+00	8.4966-01	2.3600-03	8.4966-01	2.3600-03	4.9405-04	2.4956-02	4.4454+04	6.0498-04	3.7770+00
56	462.40	3.9366+00	6.0940-01	1.6978-03	6.0940-01	1.6978-03	3.5543-04	1.7954-02	3.1981+04	4.3533-04	4.1100-01
57	472.46	1.6089+01	2.6113+00	7.3246-03	2.6113+00	7.3246-03	1.5334-03	7.7496-02	1.3797+05	1.8789-03	7.1100-01
58	541.78	8.8361+01	1.5355+01	4.5186-02	1.5355+01	4.5186-02	9.4595-03	4.7784-01	8.5116+05	1.1628-02	1.0880+00
59	623.55	1.5009+02	2.7426+01	8.5699-02	2.7426+01	8.5699-02	1.7941-02	9.0626-01	1.6143+06	2.2141-02	1.3070+00
60	560.61	9.4602+01	1.6726+01	4.9889-02	1.6726+01	4.9889-02	1.0444-02	5.2757-01	9.3974+05	1.2850-02	1.6410+00
61	463.82	4.1958+00	6.8742-01	1.9170-03	6.8742-01	1.9170-03	4.0131-04	2.0272-02	3.6110+04	4.9156-04	3.0090+00
62	456.21	4.0182+00	6.4901-01	1.8007-03	6.4901-01	1.8007-03	3.7697-04	1.9042-02	3.3919+04	4.6158-04	3.3930+00
63	457.59	4.1803+00	6.6350-01	1.8426-03	6.6350-01	1.8426-03	3.8574-04	1.9485-02	3.4708+04	4.7235-04	3.7770+00
64	541.01	8.8382+01	1.5672+01	4.6094-02	1.5672+01	4.6094-02	9.6497-03	4.8744-01	8.6826+05	1.1861-02	1.0880+00
65	625.92	1.5160+02	2.8235+01	8.8385-02	2.8235+01	8.8385-02	1.8503-02	9.3466-01	1.6649+06	2.2837-02	1.3070+00
66	560.89	9.4698+01	1.6994+01	5.0699-02	1.6994+01	5.0699-02	1.0614-02	5.3614-01	9.5500+05	1.3059-02	1.6410+00
69	460.10	5.5813+00	9.3958-01	2.6137-03	9.3958-01	2.6137-03	5.4716-04	2.7639-02	4.9233+04	6.7009-04	4.1100-01
70	467.14	1.5448+01	2.6129+00	7.3029-03	2.6129+00	7.3029-03	1.5288-03	7.7227-02	1.3756+05	1.8729-03	7.1100-01
71	632.08	1.4844+02	2.7658+01	8.6988-02	2.7658+01	8.6988-02	1.8211-02	9.1988-01	1.6386+06	2.2483-02	1.3070+00
72	566.42	9.3808+01	1.6890+01	5.0589-02	1.6890+01	5.0589-02	1.0591-02	5.3497-01	9.5293+05	1.3034-02	1.6410+00
73	468.54	4.0774+00	6.6408-01	1.8578-03	6.6408-01	1.8578-03	3.8891-04	1.9646-02	3.4994+04	4.7647-04	3.7770+00
74	489.28	5.9990+00	1.0056+00	2.8529-03	1.0056+00	2.8529-03	5.9724-04	3.0169-02	5.3739+04	7.3238-04	5.3230+00
77	459.76	3.8488+00	6.4210-01	1.7857-03	6.4210-01	1.7857-03	3.7384-04	1.8884-02	3.3637+04	4.5782-04	3.0090+00
78	456.81	4.2842+00	7.0488-01	1.9565-03	7.0488-01	1.9565-03	4.0958-04	2.0690-02	3.6854+04	5.0153-04	3.3930+00
79	458.07	4.2078+00	6.8050-01	1.8904-03	6.8050-01	1.8904-03	3.9575-04	1.9991-02	3.5609+04	4.8461-04	3.7770+00
80	476.64	3.0436+00	5.1960-01	1.4615-03	5.1960-01	1.4615-03	3.0597-04	1.5456-02	2.7531+04	3.7499-04	2.4660+00
81	460.26	3.7304+00	6.2255-01	1.7320-03	6.2255-01	1.7320-03	3.6258-04	1.8315-02	3.2624+04	4.4404-04	3.0090+00
82	454.59	4.3075+00	7.0977-01	1.9672-03	7.0977-01	1.9672-03	4.1182-04	2.0802-02	3.7055+04	5.0421-04	3.3930+00
83	455.96	4.4649+00	7.2982-01	2.0246-03	7.2982-01	2.0246-03	4.2383-04	2.1409-02	3.8136+04	5.1896-04	3.7770+00
337	540.24	3.9633+01	7.7022+00	2.2641-02	7.7022+00	2.2641-02	4.7399-03	2.3943-01	4.2649+05	5.8260-03	7.1680+00
339	502.46	1.4654+01	2.8407+00	8.1325-03	2.8407+00	8.1325-03	1.7025-03	8.6000-02	1.5314+05	2.0890-03	8.1130+00
340	481.73	2.9091+00	5.4478-01	1.5377-03	5.4478-01	1.5377-03	3.2191-04	1.6261-02	2.8965+04	3.9461-04	8.6180+00
342	534.60	3.8373+01	7.6696+00	2.2456-02	7.6696+00	2.2456-02	4.7010-03	2.3746-01	4.2299+05	5.7767-03	7.1680+00
344	503.41	1.6631+01	3.2428+00	9.2900-03	3.2428+00	9.2900-03	1.9448-03	9.8241-02	1.7499+05	2.3864-03	8.1130+00
347	531.71	3.5933+01	6.9468+00	2.0298-02	6.9468+00	2.0298-02	4.2493-03	2.1465-01	3.8235+05	5.2210-03	7.1680+00
349	503.35	1.6290+01	3.1680+00	9.0754-03	3.1680+00	9.0754-03	1.8999-03	9.5971-02	1.7095+05	2.3313-03	8.1130+00
350	481.32	3.2322+00	5.7124-01	1.6119-03	5.7124-01	1.6119-03	3.3745-04	1.7046-02	3.0363+04	4.1366-04	8.6180+00
352	539.38	3.6243+01	7.2500+00	2.1299-02	7.2500+00	2.1299-02	4.4589-03	2.2523-01	4.0120+05	5.4804-03	7.1680+00
354	511.61	1.7457+01	3.4038+00	9.8067-03	3.4038+00	9.8067-03	2.0530-03	1.0370-01	1.8473+05	2.5201-03	8.1130+00
357	540.64	3.8780+01	7.3373+00	2.1575-02	7.3373+00	2.1575-02	4.5166-03	2.2815-01	4.0639+05	5.5516-03	7.1680+00
359	514.30	1.7762+01	3.2428+00	9.3604-03	3.2428+00	9.3604-03	1.9596-03	9.8985-02	1.7632+05	2.4057-03	8.1130+00
401	474.45	1.2050+01	1.0121+00	2.8428-03	1.0121+00	2.8428-03	5.9512-04	3.0062-02	5.3548+04	7.2929-04	4.5500-01
403	484.93	1.8291+01	1.5286+00	4.3240-03	1.5286+00	4.3240-03	9.0522-04	4.5726-02	8.1450+04	1.1098-03	6.8600-01
404	461.84	1.1866+02	9.8243+00	2.7361-02	9.8243+00	2.7361-02	5.7278-03	2.8933-01	5.1538+05	7.0152-03	8.0100-01
405	549.73	6.8823+01	5.9907+00	1.7730-02	5.9907+00	1.7730-02	3.7117-03	1.8749-01	3.3397+05	4.5642-03	1.0510+00
406	585.55	1.1592+02	1.0367+01	3.1490-02	1.0367+01	3.1490-02	6.5923-03	3.3300-01	5.9316+05	8.1204-03	1.1670+00
407	677.21	1.7792+02	1.7025+01	5.5457-02	1.7025+01	5.5457-02	1.1610-02	5.8645-01	1.0446+06	1.4366-02	1.2830+00
408	479.41	1.5923+01	1.3100+00	3.6919-03	1.3100+00	3.6919-03	7.7289-04	3.9041-02	6.9543+04	9.4734-04	5.1300-01
409	479.64	1.8671+01	1.5643+00	4.4091-03	1.5643+00	4.4091-03	9.2302-04	4.6625-02	8.3052+04	1.1314-03	5.7000-01
410	484.64	2.0551+01	1.6658+00	4.7111-03	1.6658+00	4.7111-03	9.8625-04	4.9819-02	8.8741+04	1.2092-03	6.2800-01
411	490.99	2.5306+01	2.1360+00	6.0672-03	2.1360+00	6.0672-03	1.2701-03	6.4159-02	1.1429+05	1.5577-03	6.8600-01
412	491.57	1.8201+01	1.5277+00	4.3410-03	1.5277+00	4.3410-03	9.0877-04	4.5905-02	8.1770+04	1.1145-03	7.4400-01
413	504.10	3.5123+01	3.0075+00	8.6200-03	3.0075+00	8.6200-03	1.8046-03	9.1159-02	1.6237+05	2.2144-03	8.6100-01
414	507.48	3.8471+01	3.2622+00	9.3719-03	3.2622+00	9.3719-03	1.9620-03	9.9107-02	1.7654+05	2.4079-03	8.5900-01
415	520.55	4.7505+01	4.0860+00	1.1846-02	4.0860+00	1.1846-02	2.4799-03	1.2527-01	2.2314+05	3.0454-03	9.1700-01
416	486.18	1.9769+01	1.5446+00	4.3730-03	1.5446+00	4.3730-03	9.1548-04	4.6244-02	8.2373+04	1.1225-03	5.7000-01
417	546.87	7.3557+01	6.3918+00	1.8878-02	6.3918+00	1.8878-02	3.9520-03	1.9963-01	3.5560+05	4.8592-03	1.0520+00

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36 1 11.99 -.01 .00 -.00 402 1 2.65 10.18 1641.5 1861.9

9.00704+01 3.36727-02 2.44269+00 4.73405+03 3.13659-05 7.29570-08 1.70748-01 7.72000+00 7.60669-06 7.40438-02

1	460.40	7.0312+00	1.1839+00	3.2899-03	1.1839+00	3.2899-03	6.8864-04	3.4791-02	6.1986+04	8.4472-04	4.1100-01
2	462.58	1.3778+01	2.3234+00	6.4658-03	2.3234+00	6.4658-03	1.3534-03	6.8375-02	1.2182+05	1.6603-03	7.1100-01
3	663.88	1.5491+02	2.9443+01	9.4771-02	2.9443+01	9.4771-02	1.9837-02	1.0022+00	1.7856+06	2.4576-02	1.3070+00
4	590.40	1.0118+02	1.8473+01	5.6236-02	1.8473+01	5.6236-02	1.1771-02	5.9468-01	1.0595+06	1.4528-02	1.6410+00
5	509.19	4.4602+01	8.1166+00	2.3316-02	8.1166+00	2.3316-02	4.8804-03	2.4656-01	4.3930+05	6.0001-03	1.7720+00
6	477.48	2.9766+00	4.9954-01	1.4042-03	4.9954-01	1.4042-03	2.9392-04	1.4849-02	2.6457+04	3.6082-04	2.4660+00
7	463.30	3.8784+00	6.4285-01	1.7899-03	6.4285-01	1.7899-03	3.7465-04	1.8928-02	3.3723+04	4.5962-04	3.0090+00
8	456.60	4.4795+00	7.3252-01	2.0304-03	7.3252-01	2.0304-03	4.2501-04	2.1472-02	3.8255+04	5.2124-04	3.3930+00
9	454.48	4.3117+00	7.0406-01	1.9488-03	7.0406-01	1.9488-03	4.0792-04	2.0608-02	3.6717+04	5.0024-04	3.7770+00
10	478.65	6.7896+00	1.1302+00	3.1794-03	1.1302+00	3.1794-03	6.6551-04	3.3622-02	5.9903+04	8.1703-04	5.3230+00
14	518.20	5.9844+01	1.0463+01	3.0245-02	1.0463+01	3.0245-02	6.3308-03	3.1984-01	5.6985+05	7.7866-03	1.0880+00
15	657.64	1.5728+02	2.9795+01	9.5437-02	2.9795+01	9.5437-02	1.9977-02	1.0092+00	1.7981+06	2.4740-02	1.3070+00
16	572.36	9.6338+01	1.7406+01	5.2291-02	1.7406+01	5.2291-02	1.0945-02	5.5297-01	9.8522+05	1.3497-02	1.6410+00
19	465.89	5.4358+00	8.3540-01	2.3300-03	8.3540-01	2.3300-03	4.8772-04	2.4640-02	4.3900+04	5.9841-04	4.1100-01
20	472.96	1.4089+01	2.2805+00	6.3909-03	2.2805+00	6.3909-03	1.3377-03	6.7582-02	1.2041+05	1.6418-03	7.1100-01
21	536.76	7.4079+01	1.2680+01	3.7136-02	1.2680+01	3.7136-02	7.7731-03	3.9270-01	6.9967+05	9.5689-03	1.0880+00
22	651.16	1.5422+02	2.8350+01	9.0355-02	2.8350+01	9.0355-02	1.8913-02	9.5549-01	1.7024+06	2.3415-02	1.3070+00
23	764.40	8.7269-02	1.6713-02	5.8401-05	1.6713-02	5.8401-05	1.2224-05	6.1758-04	1.1003+03	1.5228-05	1.6410+00
24	473.73	4.1304+00	6.8325-01	1.9157-03	6.8325-01	1.9157-03	4.0100-04	2.0259-02	3.6094+04	4.9218-04	3.0090+00
25	467.78	4.0177+00	6.4606-01	1.8042-03	6.4606-01	1.8042-03	3.7766-04	1.9080-02	3.3994+04	4.6341-04	3.3930+00
26	463.88	4.1060+00	6.6259-01	1.8456-03	6.6259-01	1.8456-03	3.8631-04	1.9516-02	3.4772+04	4.7394-04	3.7770+00
27	472.93	1.3968+01	2.2609+00	6.3357-03	2.2609+00	6.3357-03	1.3262-03	6.6999-02	1.1937+05	1.6277-03	7.1100-01
28	545.04	8.0370+01	1.3827+01	4.0732-02	1.3827+01	4.0732-02	8.5258-03	4.3073-01	7.6743+05	1.0500-02	1.0880+00
29	669.83	1.5187+02	2.8446+01	9.1989-02	2.8446+01	9.1989-02	1.9255-02	9.7277-01	1.7332+06	2.3862-02	1.3070+00
30	569.30	9.3373+01	1.6594+01	4.9741-02	1.6594+01	4.9741-02	1.0412-02	5.2600-01	9.3717+05	1.2837-02	1.6410+00
31	505.50	4.6297+01	8.0298+00	2.3008-02	8.0298+00	2.3008-02	4.8159-03	2.4331-01	4.3349+05	5.9198-03	1.7720+00
32	479.73	3.2078+00	5.3914-01	1.5178-03	5.3914-01	1.5178-03	3.1771-04	1.6051-02	2.8597+04	3.9006-04	2.4660+00
33	471.69	5.6696+00	9.5065-01	2.6619-03	9.5065-01	2.6619-03	5.5717-04	2.8149-02	5.0152+04	6.8381-04	3.0090+00
34	465.52	6.1392+00	1.0100+00	2.8163-03	1.0100+00	2.8163-03	5.8950-04	2.9782-02	5.3062+04	7.2328-04	3.3930+00
35	462.02	5.5444+00	8.7173-01	2.4251-03	8.7173-01	2.4251-03	5.0761-04	2.5645-02	4.5691+04	6.2271-04	3.7770+00
36	684.88	1.5647+02	2.9184+01	9.5509-02	2.9184+01	9.5509-02	1.9992-02	1.0100+00	1.7995+06	2.4795-02	1.3070+00
37	487.83	9.6836+00	1.6556+00	4.6868-03	1.6556+00	4.6868-03	9.8102-04	4.9562-02	8.8303+04	1.2049-03	2.4660+00
38	470.83	6.7382+00	1.1125+00	3.1132-03	1.1125+00	3.1132-03	6.5164-04	3.2921-02	5.8655+04	7.9971-04	3.0090+00
39	461.19	5.3699+00	8.7556-01	2.4344-03	8.7556-01	2.4344-03	5.0955-04	2.5743-02	4.5866+04	6.2507-04	3.3930+00
40	460.42	6.0909+00	9.8361-01	2.7334-03	9.8361-01	2.7334-03	5.7215-04	2.8905-02	5.1500+04	7.0182-04	3.7770+00
41	464.24	6.3678+00	1.0090+00	2.8111-03	1.0090+00	2.8111-03	5.8840-04	2.9726-02	5.2963+04	7.2189-04	4.1620+00
43	481.73	7.4925+00	1.2647+00	3.5652-03	1.2647+00	3.5652-03	7.4626-04	3.7702-02	6.7172+04	9.1630-04	5.3230+00
47	475.50	1.5594+01	2.5515+00	7.1627-03	2.5515+00	7.1627-03	1.4993-03	7.5744-02	1.3495+05	1.8403-03	7.1100-01
48	568.89	8.4280+01	1.4885+01	4.4607-02	1.4885+01	4.4607-02	9.3370-03	4.7171-01	8.4043+05	1.1512-02	1.0880+00
49	653.22	1.5043+02	2.8015+01	8.9429-02	2.8015+01	8.9429-02	1.8719-02	9.4570-01	1.6849+06	2.3178-02	1.3070+00
50	580.58	8.9845+01	1.6168+01	4.8863-02	1.6168+01	4.8863-02	1.0228-02	5.1672-01	9.2063+05	1.2618-02	1.6410+00
51	514.43	4.6232+01	8.0639+00	2.3249-02	8.0639+00	2.3249-02	4.8664-03	2.4586-01	4.3804+05	5.9844-03	1.7720+00
52	479.14	3.4722+00	5.9201-01	1.6660-03	5.9201-01	1.6660-03	3.4872-04	1.7618-02	3.1389+04	4.2813-04	2.4660+00
53	466.57	5.4244+00	9.0362-01	2.4919-03	9.0362-01	2.4919-03	5.2160-04	2.6351-02	4.6950+04	6.4000-04	3.0090+00
54	460.19	5.6743+00	9.1898-01	2.5534-03	9.1898-01	2.5534-03	5.3447-04	2.7002-02	4.8109+04	6.5560-04	3.3930+00
55	459.16	5.2951+00	8.4134-01	2.3361-03	8.4134-01	2.3361-03	4.8898-04	2.4704-02	4.4014+04	5.9977-04	3.7770+00
56	463.49	4.1268+00	6.3930-01	1.7802-03	6.3930-01	1.7802-03	3.7263-04	1.8826-02	3.3541+04	4.5716-04	4.1100-01
57	476.47	1.5916+01	2.5901+00	7.2759-03	2.5901+00	7.2759-03	1.5230-03	7.6941-02	1.3708+05	1.8695-03	7.1100-01
58	563.58	8.6561+01	1.5240+01	4.5496-02	1.5240+01	4.5496-02	9.5230-03	4.8111-01	8.5718+05	1.1738-02	1.0880+00
59	660.35	1.4417+02	2.6871+01	8.6253-02	2.6871+01	8.6253-02	1.8054-02	9.1211-01	1.6251+06	2.2363-02	1.3070+00
60	583.98	9.2239+01	1.6533+01	5.0092-02	1.6533+01	5.0092-02	1.0485-02	5.2971-01	9.4378+05	1.2937-02	1.6410+00
61	464.87	4.2691+00	6.9991-01	1.9508-03	6.9991-01	1.9508-03	4.0834-04	2.0630-02	3.6755+04	5.0099-04	3.0090+00
62	457.23	4.0603+00	6.5626-01	1.8198-03	6.5626-01	1.8198-03	3.8092-04	1.9244-02	3.4287+04	4.6719-04	3.3930+00
63	458.65	4.2499+00	6.7503-01	1.8737-03	6.7503-01	1.8737-03	3.9219-04	1.9814-02	3.5301+04	4.8104-04	3.7770+00
64	562.82	8.6302+01	1.5505+01	4.6261-02	1.5505+01	4.6261-02	9.6832-03	4.8920-01	8.7160+05	1.1935-02	1.0880+00
65	663.10	1.4553+02	2.7648+01	8.8938-02	2.7648+01	8.8938-02	1.8616-02	9.4050-01	1.6757+06	2.3062-02	1.3070+00
66	584.27	9.2353+01	1.6802+01	5.0917-02	1.6802+01	5.0917-02	1.0658-02	5.3844-01	9.5932+05	1.3150-02	1.6410+00
69	461.49	5.5553+00	9.3609-01	2.6032-03	9.3609-01	2.6032-03	5.4489-04	2.7528-02	4.9047+04	6.6842-04	4.1100-01
70	471.16	1.5724+01	2.6668+00	7.4645-03	2.6668+00	7.4645-03	1.5624-03	7.8936-02	1.4064+05	1.9175-03	7.1100-01
71	668.53	1.4270+02	2.7109+01	8.7576-02	2.7109+01	8.7576-02	1.8331-02	9.2610-01	1.6500+06	2.2715-02	1.3070+00
72	589.55	9.1465+01	1.6691+01	5.0778-02	1.6691+01	5.0778-02	1.0629-02	5.3697-01	9.5671+05	1.3118-02	1.6410+00
73	469.57	4.1491+00	6.7622-01	1.8907-03	6.7622-01	1.8907-03	3.9576-04	1.9994-02	3.5623+04	4.8566-04	3.7770+00
74	490.79	6.0270+00	1.0112+00	2.8684-03	1.0112+00	2.8684-03	6.0041-04	3.0333-02	5.4044+04	7.3752-04	5.3230+00
77	460.74	3.9143+00	6.5345-01	1.8163-03	6.5345-01	1.8163-03	3.8018-04	1.9207-02	3.4221+04	4.6636-04	3.0090+00
78	457.89	4.3465+00	7.1566-01	1.9854-03	7.1566-01	1.9854-03	4.1558-04	2.0995-02	3.7407+04	5.0971-04	3.3930+00
79	459.10	4.2166+00	6.8241-01	1.8947-03	6.8241-01	1.8947-03	3.9659-04	2.0036-02	3.5698+04	4.8645-04	3.7770+00
80	477.40	3.0930+00	5.2829-01	1.4849-03	5.2829-01	1.4849-03	3.1082-04	1.5703-02	2.7978+04	3.8157-04	2.4660+00
81	461.19	3.7309+00	6.2303-01	1.7322-03	6.2303-01	1.7322-03	3.6259-04	1.8318-02	3.2637+04	4.4478-04	3.0090+00
82	455.69	4.3112+00	7.1090-01	1.9693-03	7.1090-01	1.9693-03	4.1221-04	2.0825-02	3.7104+04	5.0553-04	3.3930+00
83	457.09	4.4847+00	7.3361-01	2.0341-03	7.3361-01	2.0341-03	4.2578-04	2.1511-02	3.8325+04	5.2220-04	3.7770+00
337	550.12	3.9439+01	7.7107+00	2.2797-02	7.7107+00	2.2797-02	4.7718-03	2.4107-01	4.2951+05	5.8779-03	7.1680+00
339	506.14	1.4796+01	2.8750+00	8.2415-03	2.8750+00	8.2415-03	1.7251-03	8.7152-02	1.5528+05	2.1205-03	8.1130+00
340	482.44	2.9132+00	5.4582-01	1.5395-03	5.4582-01	1.5395-03	3.2223-04	1.6279-02	2.9005+04	3.9567-04	8.6180+00
342	544.15	3.8097+01	7.6589+00	2.2548-02	7.6589+00	2.2548-02	4.7196-03	2.3844-01	4.2482+05	5.8120-03	7.1680+00
344	507.55	1.6617+01	3.2486+00	9.3214-03	3.2486+00	9.3214-03	1.9511-03	9.8572-02	1.7562+05	2.3986-03	8.1130+00
347	540.68	3.5731+01	6.9458+00	2.0398-02	6.9458+00	2.0398-02	4.2696-03	2.1570-01	3.8431+05	5.2570-03	7.1680+00
349	507.43	1.6252+01	3.1689+00	9.0920-03	3.1689+00	9.0920-03	1.9031-03	9.6147-02	1.7130+05	2.3395-03	8.1130+00
350	482.14	3.2135+00	5.6824-01	1.6024-03	5.6824-01	1.6024-03	3.3540-04	1.6945-02	3.0190+04	4.1183-04	8.6180+00
352	548.90	3.7867+01	7.2203+00	2.1328-02	7.2203+00	2.1328-02	4.4644-03	2.2554-01	4.0185+05	5.4990-03	7.1680+00
354	515.96	1.7305+01	3.3836+00	9.7657-03	3.3836+00	9.7657-03	2.0441-03	1.0327-01	1.8399+05	2.5139-03	8.1130+00
357	550.28	3.8368+01	7.3019+00	2.1591-02	7.3019+00	2.1591-02	4.5193-03	2.2832-01	4.0679+05	5.5669-03	7.1680+00
359	518.71	1.7586+01	3.2196+00	9.3100-03	3.2196+00	9.3100-03	1.9487-03	9.8452-02	1.7541+05	2.3969-03	8.1130+00
401	477.44	1.2017+01	1.0113+00	2.8428-03	1.0113+00	2.8428-03	5.9504-04	3.0062-02	5.3561+04	7.3048-04	4.5500-01
403	489.53	1.8451+01	1.5466+00	4.3833-03	1.5466+00	4.3833-03	9.1750-04	4.6353-02	8.2585+04	1.1270-03	6.8600-01
404	490.71	7.0358+01	5.9376+00	1.6841-02	5.9376+00	1.6841-02	3.5252-03	1.7809-01	3.1730+05	4.3302-03	8.0100-01
405	566.90	6.8155+01	5.9936+00	1.7935-02	5.9936+00	1.7935-02	3.7541-03	1.8966-01	3.3792+05	4.6282-03	1.0510+00
406	614.48	1.1391+02	1.0356+01	3.2094-02	1.0356+01	3.2094-02	6.7178-03	3.3939-01	6.0468+05	8.3014-03	1.1670+00
407	720.10	1.6570+02	1.6200+01	5.4546-02	1.6200+01	5.4546-02	1.1417-02	5.7682-01	1.0277+06	1.4188-02	1.2830+00
408	483.38	1.6006+01	1.3203+00	3.7262-03	1.3203+00	3.7262-03	7.7995-04	3.9404-02	7.0204+04	9.5773-04	5.1300-01
409	484.29	1.8647+01	1.5670+00	4.4253-03	1.5670+00	4.4253-03	9.2629-04	4.6797-02	8.3377+04	1.1375-03	5.7000-01
410	489.77	2.0425+01	1.6611+00	4.7085-03	1.6611+00	4.7085-03	9.8557-04	4.9792-02	8.8713+04	1.2106-03	6.2800-01
411	497.29	2.5176+01	2.1337+00	6.0793-03	2.1337+00	6.0793-03	1.2725-03	6.4288-02	1.1454+05	1.5636-03	6.8600-01
412	496.11	1.8228+01	1.5345+00	4.3685-03	1.5345+00	4.3685-03	9.1439-04	4.6196-02	8.2306+04	1.1235-03	7.4400-01
413	512.85	3.4946+01	3.0091+00	8.6660-03	3.0091+00	8.6660-03	1.8139-03	9.1642-02	1.6328+05	2.2305-03	8.0100-01
414	517.13	3.8611+01	3.2942+00	9.5154-03	3.2942+00	9.5154-03	1.9917-03	1.0062-01	1.7928+05	2.4496-03	8.5900-01
415	532.44	4.7498+01	4.1157+00	1.2016-02	4.1157+00	1.2016-02	2.5152-03	1.2707-01	2.2640+05	3.0957-03	9.1700-01
416	491.12	1.9762+01	1.5490+00	4.3947-03	1.5490+00	4.3947-03	9.1989-04	4.6474-02	8.2801+04	1.1300-03	5.7000-01
417	565.61	7.5215+01	6.6095+00	1.9760-02	6.6095+00	1.9760-02	4.1360-03	2.0895-01	3.7229+05	5.0986-03	1.0520+00

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36 1 11.99 -.01 .00 -.00 402 1 3.15 10.18 1641.5 1862.6

9.01071+01 3.36702-02 2.44251+00 4.73502+03 3.13508-05 7.29867-08 1.70632-01 7.72000+00 7.61017-06 7.40401-02

1	463.90	7.0961+00	1.1977+00	3.3382-03	1.1977+00	3.3382-03	6.9894-04	3.5301-02	6.2867+04	8.5625-04	4.1100-01
2	469.49	1.3922+01	2.3585+00	6.5987-03	2.3585+00	6.5987-03	1.3816-03	6.9780-02	1.2427+05	1.6930-03	7.1100-01
3	737.97	1.4108+02	2.7824+01	9.5160-02	2.7824+01	9.5160-02	1.9924-02	1.0063+00	1.7921+06	2.4740-02	1.3070+00
4	639.97	9.7439+01	1.8286+01	5.7824-02	1.8286+01	5.7824-02	1.2107-02	6.1148-01	1.0890+06	1.4956-02	1.6410+00
5	531.59	4.4712+01	8.2516+00	2.4095-02	8.2516+00	2.4095-02	5.0448-03	2.5460-01	4.5376+05	6.1994-03	1.7720+00
6	479.04	3.1673+00	5.3209-01	1.4983-03	5.3209-01	1.4983-03	3.1371-04	1.5844-02	2.8216+04	3.8457-04	2.4660+00
7	465.21	3.9003+00	6.4730-01	1.8058-03	6.4730-01	1.8058-03	3.7809-04	1.9096-02	3.4007+04	4.6321-04	3.0090+00
8	458.88	4.5886+00	7.5151-01	2.0877-03	7.5151-01	2.0877-03	4.3710-04	2.2077-02	3.9316+04	5.3536-04	3.3930+00
9	456.77	4.5252+00	7.4007-01	2.0530-03	7.4007-01	2.0530-03	4.2985-04	2.1710-02	3.8663+04	5.2642-04	3.7770+00
10	482.02	6.8125+00	1.1365+00	3.2067-03	1.1365+00	3.2067-03	6.7141-04	3.3911-02	6.0390+04	8.2319-04	5.3230+00
14	547.93	5.8618+01	1.0438+01	3.0834-02	1.0438+01	3.0834-02	6.4559-03	3.2606-01	5.8068+05	7.9395-03	1.0880+00
15	732.86	1.4320+02	2.8174+01	9.5949-02	2.8174+01	9.5949-02	2.0089-02	1.0147+00	1.8070+06	2.4938-02	1.3070+00
16	619.48	9.2186+01	1.7108+01	5.3261-02	1.7108+01	5.3261-02	1.1152-02	5.6323-01	1.0030+06	1.3762-02	1.6410+00
19	468.62	5.5216+00	8.5013-01	2.3771-03	8.5013-01	2.3771-03	4.9770-04	2.5137-02	4.4766+04	6.0985-04	4.1100-01
20	479.99	1.3941+01	2.2670+00	6.3876-03	2.2670+00	6.3876-03	1.3374-03	6.7548-02	1.2029+05	1.6396-03	7.1100-01
21	573.24	7.1435+01	1.2498+01	3.7598-02	1.2498+01	3.7598-02	7.8721-03	3.9760-01	7.0806+05	9.6929-03	1.0880+00
22	725.13	1.4125+02	2.6957+01	9.1220-02	2.6957+01	9.1220-02	1.9099-02	9.6463-01	1.7179+06	2.3699-02	1.3070+00
23	764.46	1.0182-01	1.9500-02	6.8200-05	1.9500-02	6.8200-05	1.4279-05	7.2121-04	1.2844+03	1.7757-05	1.6410+00
24	475.79	4.0940+00	6.7816-01	1.9054-03	6.7816-01	1.9054-03	3.9895-04	2.0150-02	3.5884+04	4.8900-04	3.0090+00
25	469.78	4.0504+00	6.5219-01	1.8251-03	6.5219-01	1.8251-03	3.8212-04	1.9300-02	3.4370+04	4.6824-04	3.3930+00
26	465.92	4.1283+00	6.6711-01	1.8620-03	6.6711-01	1.8620-03	3.8985-04	1.9690-02	3.5065+04	4.7763-04	3.7770+00
27	479.93	1.4081+01	2.2897+00	6.4514-03	2.2897+00	6.4514-03	1.3508-03	6.8222-02	1.2149+05	1.6560-03	7.1100-01
28	584.38	7.6841+01	1.3531+01	4.1039-02	1.3531+01	4.1039-02	8.5925-03	4.3398-01	7.7286+05	1.0586-02	1.0880+00
29	742.44	1.3842+02	2.6879+01	9.2273-02	2.6879+01	9.2273-02	1.9320-02	9.7577-01	1.7377+06	2.3995-02	1.3070+00
30	614.86	8.8828+01	1.6202+01	5.0267-02	1.6202+01	5.0267-02	1.0525-02	5.3156-01	9.4663+05	1.2985-02	1.6410+00
31	528.72	4.6229+01	8.1358+00	2.3708-02	8.1358+00	2.3708-02	4.9639-03	2.5071-01	4.4648+05	6.0992-03	1.7720+00
32	481.39	3.4234+00	5.7600-01	1.6245-03	5.7600-01	1.6245-03	3.4014-04	1.7179-02	3.0594+04	4.1702-04	2.4660+00
33	474.52	5.6571+00	9.5035-01	2.6679-03	9.5035-01	2.6679-03	5.5860-04	2.8213-02	5.0243+04	6.8464-04	3.0090+00
34	468.57	6.0732+00	1.0012+00	2.7993-03	1.0012+00	2.7993-03	5.8611-04	2.9603-02	5.2718+04	7.1817-04	3.3930+00
35	464.79	5.5590+00	8.7565-01	2.4422-03	8.7565-01	2.4422-03	5.1133-04	2.5826-02	4.5992+04	6.2644-04	3.7770+00
36	758.64	1.3884+02	2.6842+01	9.3413-02	2.6842+01	9.3413-02	1.9558-02	9.8783-01	1.7592+06	2.4313-02	1.3070+00
37	492.60	9.4706+00	1.6243+00	4.6162-03	1.6243+00	4.6162-03	9.6651-04	4.8815-02	8.6933+04	1.1856-03	2.4660+00
38	474.19	6.7657+00	1.1195+00	3.1421-03	1.1195+00	3.1421-03	6.5788-04	3.3227-02	5.9173+04	8.0632-04	3.0090+00
39	463.94	5.6426+00	9.2173-01	2.5692-03	9.2173-01	2.5692-03	5.3793-04	2.7169-02	4.8384+04	6.5900-04	3.3930+00
40	463.46	6.1621+00	9.9715-01	2.7785-03	9.9715-01	2.7785-03	5.8176-04	2.9383-02	5.2326+04	7.1268-04	3.7770+00
41	467.46	6.5086+00	1.0335+00	2.8876-03	1.0335+00	2.8876-03	6.0459-04	3.0536-02	5.4380+04	7.4078-04	4.1620+00
43	485.45	7.4982+00	1.2687+00	3.5882-03	1.2687+00	3.5882-03	7.5128-04	3.7945-02	6.7574+04	9.2126-04	5.3230+00
47	483.24	1.5450+01	2.5410+00	7.1756-03	2.5410+00	7.1756-03	1.5024-03	7.5881-02	1.3513+05	1.8421-03	7.1100-01
48	610.10	8.0496+01	1.4557+01	4.5000-02	1.4557+01	4.5000-02	9.4220-03	4.7587-01	8.4746+05	1.1622-02	1.0880+00
49	725.21	1.3719+02	2.6498+01	8.9673-02	2.6498+01	8.9673-02	1.8775-02	9.4828-01	1.6888+06	2.3297-02	1.3070+00
50	624.31	8.5195+01	1.5714+01	4.9100-02	1.5714+01	4.9100-02	1.0280-02	5.1922-01	9.2466+05	1.2690-02	1.6410+00
51	537.61	4.6284+01	8.1901+00	2.4017-02	8.1901+00	2.4017-02	5.0285-03	2.5398-01	4.5230+05	6.1811-03	1.7720+00
52	480.94	3.6151+00	6.1710-01	1.7399-03	6.1710-01	1.7399-03	3.6429-04	1.8399-02	3.2767+04	4.4663-04	2.4660+00
53	469.25	5.3730+00	8.8614-01	2.4788-03	8.8614-01	2.4788-03	5.1900-04	2.6213-02	4.6682+04	6.3597-04	3.0090+00
54	462.98	5.5449+00	8.9973-01	2.5063-03	8.9973-01	2.5063-03	5.2475-04	2.6504-02	4.7199+04	6.4283-04	3.3930+00
55	461.77	5.2348+00	8.3323-01	2.3192-03	8.3323-01	2.3192-03	4.8558-04	2.4525-02	4.3675+04	5.9480-04	3.7770+00
56	465.64	4.0322+00	6.2556-01	1.7457-03	6.2556-01	1.7457-03	3.6550-04	1.8460-02	3.2875+04	4.4779-04	4.1100-01
57	484.38	1.5834+01	2.5901+00	7.3201-03	2.5901+00	7.3201-03	1.5326-03	7.7408-02	1.3785+05	1.8793-03	7.1100-01
58	606.07	8.2806+01	1.4941+01	4.6049-02	1.4941+01	4.6049-02	9.6415-03	4.8696-01	8.6721+05	1.1890-02	1.0880+00
59	729.41	1.3182+02	2.5438+01	8.6383-02	2.5438+01	8.6383-02	1.8066-02	9.1349-01	1.6268+06	2.2447-02	1.3070+00
60	628.92	8.7494+01	1.6083+01	5.0430-02	1.6083+01	5.0430-02	1.0559-02	5.3329-01	9.4971+05	1.3036-02	1.6410+00
61	467.03	4.3584+00	7.1560-01	1.9988-03	7.1560-01	1.9988-03	4.1849-04	2.1137-02	3.7642+04	5.1275-04	3.0090+00
62	459.24	4.0353+00	6.5312-01	1.8148-03	6.5312-01	1.8148-03	3.7997-04	1.9191-02	3.4177+04	4.6539-04	3.3930+00
63	460.75	4.2644+00	6.7831-01	1.8867-03	6.7831-01	1.8867-03	3.9502-04	1.9951-02	3.5531+04	4.8386-04	3.7770+00
64	605.10	8.3197+01	1.5317+01	4.7173-02	1.5317+01	4.7173-02	9.8768-03	4.9885-01	8.8837+05	1.2180-02	1.0880+00
65	732.70	1.3273+02	2.6112+01	8.8913-02	2.6112+01	8.8913-02	1.8616-02	9.4024-01	1.6744+06	2.3109-02	1.3070+00
66	629.33	8.7807+01	1.6384+01	5.1389-02	1.6384+01	5.1389-02	1.0759-02	5.4343-01	9.6776+05	1.3284-02	1.6410+00
69	464.29	5.6322+00	9.5084-01	2.6510-03	9.5084-01	2.6510-03	5.5505-04	2.8034-02	4.9924+04	6.7998-04	4.1100-01
70	478.76	1.5217+01	2.5938+00	7.3024-03	2.5938+00	7.3024-03	1.5289-03	7.7222-02	1.3752+05	1.8743-03	7.1100-01
71	736.84	1.3036+02	2.5621+01	8.7544-02	2.5621+01	8.7544-02	1.8329-02	9.2576-01	1.6487+06	2.2758-02	1.3070+00
72	634.17	8.7130+01	1.6300+01	5.1317-02	1.6300+01	5.1317-02	1.0744-02	5.4266-01	9.6641+05	1.3269-02	1.6410+00
73	471.62	4.1860+00	6.8316-01	1.9141-03	6.8316-01	1.9141-03	4.0076-04	2.0241-02	3.6047+04	4.9113-04	3.7770+00
74	493.82	6.1086+00	1.0269+00	2.9210-03	1.0269+00	2.9210-03	6.1159-04	3.0890-02	5.5010+04	7.5025-04	5.3230+00
77	462.72	3.9839+00	6.6596-01	1.8548-03	6.6596-01	1.8548-03	3.8834-04	1.9614-02	3.4930+04	4.7572-04	3.0090+00
78	460.07	4.4130+00	7.2768-01	2.0231-03	7.2768-01	2.0231-03	4.2358-04	2.1394-02	3.8099+04	5.1883-04	3.3930+00
79	461.22	4.2816+00	6.9390-01	1.9307-03	6.9390-01	1.9307-03	4.0423-04	2.0416-02	3.6359+04	4.9515-04	3.7770+00
80	478.94	3.1174+00	5.3300-01	1.5008-03	5.3300-01	1.5008-03	3.1422-04	1.5870-02	2.8263+04	3.8520-04	2.4660+00
81	463.09	3.9262+00	6.5649-01	1.8288-03	6.5649-01	1.8288-03	3.8291-04	1.9340-02	3.4441+04	4.6908-04	3.0090+00
82	457.83	4.3735+00	7.2223-01	2.0049-03	7.2223-01	2.0049-03	4.1978-04	2.1202-02	3.7757+04	5.1412-04	3.3930+00
83	459.30	4.4660+00	7.3164-01	2.0331-03	7.3164-01	2.0331-03	4.2567-04	2.1499-02	3.8287+04	5.2136-04	3.7770+00
337	569.68	3.8731+01	7.6610+00	2.2988-02	7.6610+00	2.2988-02	4.8130-03	2.4309-01	4.3291+05	5.9252-03	7.1680+00
339	513.58	1.4894+01	2.9077+00	8.3840-03	2.9077+00	8.3840-03	1.7554-03	8.8660-02	1.5789+05	2.1554-03	8.1130+00
340	483.89	2.9101+00	5.4575-01	1.5419-03	5.4575-01	1.5419-03	3.2282-04	1.6305-02	2.9037+04	3.9584-04	8.6180+00
342	563.06	3.7531+01	7.6313+00	2.2789-02	7.6313+00	2.2789-02	4.7714-03	2.4099-01	4.2917+05	5.8722-03	7.1680+00
344	515.88	1.6597+01	3.2620+00	9.4206-03	3.2620+00	9.4206-03	1.9724-03	9.9622-02	1.7741+05	2.4221-03	8.1130+00
347	558.47	3.5331+01	6.9421+00	2.0663-02	6.9421+00	2.0663-02	4.3262-03	2.1850-01	3.8912+05	5.3231-03	7.1680+00
349	515.53	1.6125+01	3.1602+00	9.1247-03	3.1602+00	9.1247-03	1.9105-03	9.6492-02	1.7184+05	2.3460-03	8.1130+00
350	483.74	3.2582+00	5.7675-01	1.6293-03	5.7675-01	1.6293-03	3.4113-04	1.7229-02	3.0683+04	4.1827-04	8.6180+00
352	567.67	3.7268+01	7.1861+00	2.1531-02	7.1861+00	2.1531-02	4.5081-03	2.2769-01	4.0548+05	5.5493-03	7.1680+00
354	524.57	1.7167+01	3.3746+00	9.8055-03	3.3746+00	9.8055-03	2.0530-03	1.0369-01	1.8466+05	2.5221-03	8.1130+00
357	569.31	3.7722+01	7.2608+00	2.1781-02	7.2608+00	2.1781-02	4.5604-03	2.3033-01	4.1019+05	5.6141-03	7.1680+00
359	527.42	1.7363+01	3.1960+00	9.3049-03	3.1960+00	9.3049-03	1.9482-03	9.8398-02	1.7523+05	2.3936-03	8.1130+00
401	483.46	1.2124+01	1.0244+00	2.8931-03	1.0244+00	2.8931-03	6.0575-04	3.0595-02	5.4485+04	7.4274-04	4.5500-01
403	498.78	1.8522+01	1.5619+00	4.4578-03	1.5619+00	4.4578-03	9.3336-04	4.7141-02	8.3952+04	1.1452-03	6.8600-01
404	492.31	-6.7756+00	-5.7239-01	-1.6264-03	-5.7239-01	-1.6264-03	-3.4053-04	-1.7199-02	-3.0629+04	-4.1771-04	8.0100-01
405	600.56	6.6350+01	5.9494+00	1.8261-02	5.9494+00	1.8261-02	3.8235-03	1.9311-01	3.4390+05	4.7140-03	1.0510+00
406	669.95	1.0690+02	1.0012+01	3.2406-02	1.0012+01	3.2406-02	6.7850-03	3.4269-01	6.1028+05	8.3946-03	1.1670+00
407	797.16	1.4415+02	1.4607+01	5.2557-02	1.4607+01	5.2557-02	1.1004-02	5.5579-01	9.8978+05	1.3709-02	1.2830+00
408	491.39	1.6044+01	1.3304+00	3.7778-03	1.3304+00	3.7778-03	7.9099-04	3.9950-02	7.1146+04	9.7021-04	5.1300-01
409	493.57	1.8482+01	1.5626+00	4.4439-03	1.5626+00	4.4439-03	9.3044-04	4.6994-02	8.3689+04	1.1414-03	5.7000-01
410	499.95	2.0400+01	1.6760+00	4.7703-03	1.6760+00	4.7703-03	9.9817-04	5.0445-02	8.9835+04	1.2256-03	6.2800-01
411	509.81	2.4833+01	2.1215+00	6.1012-03	2.1215+00	6.1012-03	1.2774-03	6.4520-02	1.1490+05	1.5682-03	6.8600-01
412	505.26	1.8357+01	1.5545+00	4.4564-03	1.5545+00	4.4564-03	9.3306-04	4.7126-02	8.3925+04	1.1452-03	7.4400-01
413	530.33	3.4913+01	3.0392+00	8.8667-03	3.0392+00	8.8667-03	1.8565-03	9.3764-02	1.6698+05	2.2812-03	8.0100-01
414	536.47	3.8724+01	3.3437+00	9.7973-03	3.3437+00	9.7973-03	2.0513-03	1.0360-01	1.8451+05	2.5214-03	8.5900-01
415	556.18	4.7435+01	4.1698+00	1.2391-02	4.1698+00	1.2391-02	2.5943-03	1.3103-01	2.3335+05	3.1918-03	9.1700-01
416	500.96	1.9594+01	1.5457+00	4.4181-03	1.5457+00	4.4181-03	9.2503-04	4.6720-02	8.3202+04	1.1351-03	5.7000-01
417	603.72	7.6110+01	6.8368+00	2.1035-02	6.8368+00	2.1035-02	4.4041-03	2.2244-01	3.9613+05	5.4308-03	1.0520+00

40 1 12.01 .01 .00 -.00 4C2 1 1.9C 10.18 1639.8 1873.9

9.07C45+01 3.35941-02 2.43696+00 4.75066+03 3.10740-05 7.34707-08 1.68566-01 7.72000+00 7.66693-06 7.39792-02

1	448.97	6.9605+00	1.1629+00	3.1755-03	1.1629+00	3.1755-03	6.6859-04	3.3517-02	5.9360+04	8.1611-04	4.1100-01
2	447.39	1.3965+01	2.3306+00	6.3574-03	2.3306+00	6.3574-03	1.3385-03	6.7102-02	1.1884+05	1.6338-03	7.1100-01
3	536.02	1.7763+02	3.1402+01	9.0955-02	3.1402+01	9.0955-02	1.9150-02	9.6062-01	1.7002+06	2.3472-02	1.3070+00
4	508.43	1.0743+02	1.8668+01	5.3048-02	1.8668+01	5.3048-02	1.1169-02	5.5991-01	9.9161+05	1.3671-02	1.6410+00
5	481.03	4.1824+01	7.4739+00	2.0847-02	7.4739+00	2.0847-02	4.3893-03	2.2004-01	3.8970+05	5.3657-03	1.7720+00
6	482.19	2.8171+00	4.7425-01	1.3239-03	4.7425-01	1.3239-03	2.7874-04	1.3973-02	2.4747+04	3.4076-04	2.4660+00
7	455.09	3.7205+00	6.1326-01	1.6813-03	6.1326-01	1.6813-03	3.5400-04	1.7746-02	3.1429+04	4.3223-04	3.0090+00
8	445.77	4.3231+00	7.0172-01	1.9121-03	7.0172-01	1.9121-03	4.0259-04	2.0183-02	3.5744+04	4.9135-04	3.3930+00
9	443.54	4.1636+00	6.7480-01	1.8361-03	6.7480-01	1.8361-03	3.8658-04	1.9380-02	3.4322+04	4.7176-04	3.7770+00
10	468.28	6.7340+00	1.1132+00	3.0789-03	1.1132+00	3.0789-03	6.4824-04	3.2497-02	5.7553+04	7.9198-04	5.3230+00
14	470.65	6.3739+01	1.0806+01	2.9934-02	1.0806+01	2.9934-02	6.3025-03	3.1595-01	5.5956+05	7.7009-03	1.0880+00
15	527.06	1.7995+02	3.1636+01	9.1060-02	3.1636+01	9.1060-02	1.9172-02	9.6113-01	1.7022+06	2.3489-02	1.3070+00
16	495.00	1.0409+02	1.7931+01	5.0491-02	1.7931+01	5.0491-02	1.0631-02	5.3293-01	9.4382+05	1.3004-02	1.6410+00
19	455.54	5.0925+00	7.7717-01	2.1314-03	7.7717-01	2.1314-03	4.4875-04	2.2496-02	3.9841+04	5.4793-04	4.1100-01
20	457.34	1.4167+01	2.2691+00	6.2302-03	2.2691+00	6.2302-03	1.3117-03	6.5759-02	1.1646+05	1.6018-03	7.1100-01
21	477.53	7.6586+01	1.2624+01	3.5131-02	1.2624+01	3.5131-02	7.3967-03	3.7081-01	6.5671+05	9.0408-03	1.0880+00
22	523.40	1.7625+02	3.0101+01	8.6423-02	3.0101+01	8.6423-02	1.8196-02	9.1219-01	1.6155+06	2.2289-02	1.3070+00
23	816.28	2.1299-02	4.1747-03	1.5066-05	4.1747-03	1.5066-05	3.1720-06	1.5902-04	2.8162+02	3.9472-06	1.6410+00
24	462.05	4.0343+00	6.6215-01	1.8238-03	6.6215-01	1.8238-03	3.8398-04	1.9250-02	3.4091+04	4.6899-04	3.6090+00
25	454.98	3.9070+00	6.2286-01	1.7075-03	6.2286-01	1.7075-03	3.5952-04	1.8023-02	3.1919+04	4.3897-04	3.3930+00
26	451.52	3.7283+00	5.9662-01	1.6319-03	5.9662-01	1.6319-03	3.4359-04	1.7224-02	3.0505+04	4.1945-04	3.7770+00
27	456.72	1.4194+01	2.2725+00	6.2372-03	2.2725+00	6.2372-03	1.3132-03	6.5833-02	1.1659+05	1.6035-03	7.1100-01
28	479.68	8.0096+01	1.3222+01	3.6847-02	1.3222+01	3.6847-02	7.7579-03	3.8892-01	6.8877+05	9.4832-03	1.0880+00
29	544.57	1.7466+02	3.0493+01	8.8852-02	3.0493+01	8.8852-02	1.8707-02	9.3782-01	1.6609+06	2.2938-02	1.3070+00
30	495.04	1.0144+02	1.7220+01	4.8488-02	1.7220+01	4.8488-02	1.0209-02	5.1178-01	9.0637+05	1.2488-02	1.6410+00
31	474.66	4.3714+01	7.4312+00	2.0640-02	7.4312+00	2.0640-02	4.3457-03	2.1785-01	3.8582+05	5.3109-03	1.7720+00
32	481.13	2.9870+00	5.0250-01	1.4017-03	5.0250-01	1.4017-03	2.9513-04	1.4795-02	2.6203+04	3.6079-04	2.4660+00
33	456.26	5.7418+00	9.5281-01	2.6143-03	9.5281-01	2.6143-03	5.5043-04	2.7594-02	4.8869+04	6.7211-04	3.0090+00
34	447.51	6.4556+00	1.0491+00	2.8620-03	1.0491+00	2.8620-03	6.0259-04	3.0209-02	5.3500+04	7.3550-04	3.3930+00
35	445.55	5.8203+00	9.0488-01	2.4654-03	9.0488-01	2.4654-03	5.1907-04	2.6022-02	4.6085+04	6.3351-04	3.7770+00
36	552.95	1.8354+02	3.1822+01	9.3275-02	3.1822+01	9.3275-02	1.9639-02	9.8451-01	1.7436+06	2.4090-02	1.3070+00
37	484.02	8.9777+00	1.5311+00	4.2794-03	1.5311+00	4.2794-03	9.0101-04	4.5169-02	7.9995+04	1.1016-03	2.4660+00
38	452.99	6.4223+00	1.0476+00	2.8683-03	1.0476+00	2.8683-03	6.0391-04	3.0275-02	5.3617+04	7.3730-04	3.0090+00
39	442.05	5.6899+00	9.1567-01	2.4891-03	9.1567-01	2.4891-03	5.2406-04	2.6272-02	4.6528+04	6.3950-04	3.3930+00
40	442.42	6.5605+00	1.0465+00	2.8453-03	1.0465+00	2.8453-03	5.9907-04	3.0032-02	5.3188+04	7.3104-04	3.7770+00
41	449.26	6.7932+00	1.0655+00	2.9100-03	1.0655+00	2.9100-03	6.1269-04	3.0715-02	5.4397+04	7.4789-04	4.1620+00
43	466.41	7.9870+00	1.3345+00	3.6863-03	1.3345+00	3.6863-03	7.7612-04	3.8908-02	6.8907+04	9.4814-04	5.3230+00
47	458.17	1.5315+01	2.4770+00	6.8049-03	2.4770+00	6.8049-03	1.4327-03	7.1826-02	1.2720+05	1.7496-03	7.1100-01
48	496.08	8.5321+01	1.4408+01	4.0599-02	1.4408+01	4.0599-02	8.5479-03	4.2852-01	7.5891+05	1.0457-02	1.0880+00
49	527.37	1.7229+02	2.9853+01	8.5947-02	2.9853+01	8.5947-02	1.8096-02	9.0716-01	1.6066+06	2.2170-02	1.3070+00
50	507.04	9.7615+01	1.6798+01	4.7689-02	1.6798+01	4.7689-02	1.0041-02	5.0335-01	8.9145+05	1.2289-02	1.6410+00
51	481.92	4.3758+01	7.4745+00	2.0861-02	7.4745+00	2.0861-02	4.3923-03	2.2019-01	3.8996+05	5.3696-03	1.7720+00
52	477.53	3.3132+00	5.6431-01	1.5704-03	5.6431-01	1.5704-03	3.3063-04	1.6577-02	2.9355+04	4.0442-04	2.4660+00
53	447.93	5.6140+00	9.1262-01	2.4903-03	9.1262-01	2.4903-03	5.2433-04	2.6285-02	4.6552+04	6.3999-04	3.0090+00
54	438.82	6.0519+00	9.6589-01	2.6201-03	9.6589-01	2.6201-03	5.5164-04	2.7654-02	4.8976+04	6.7305-04	3.3930+00
55	440.15	5.6374+00	8.8414-01	2.4004-03	8.8414-01	2.4004-03	5.0539-04	2.5336-02	4.4870+04	6.1666-04	3.7770+00
56	452.66	3.6779+00	5.6560-01	1.5482-03	5.6560-01	1.5482-03	3.2597-04	1.6341-02	2.8940+04	3.9796-04	4.1100-01
57	457.89	1.5484+01	2.4886+00	6.8356-03	2.4886+00	6.8356-03	1.4392-03	7.2149-02	1.2778+05	1.7575-03	7.1100-01
58	489.87	8.7444+01	1.4707+01	4.1268-02	1.4707+01	4.1268-02	8.6887-03	4.3558-01	7.7142+05	1.0626-02	1.0880+00
59	541.44	1.6584+02	2.8900+01	8.4024-02	2.8900+01	8.4024-02	1.7691-02	8.8686-01	1.5706+06	2.1689-02	1.3070+00
60	509.63	1.0028+02	1.7184+01	4.8871-02	1.7184+01	4.8871-02	1.0290-02	5.1583-01	9.1355+05	1.2596-02	1.6410+00
61	448.06	4.4156+00	7.1571-01	1.9532-03	7.1571-01	1.9532-03	4.1123-04	2.0616-02	3.6510+04	5.0195-04	3.0090+00
62	438.70	4.2540+00	6.7889-01	1.8414-03	6.7889-01	1.8414-03	3.8770-04	1.9436-02	3.4421+04	4.7302-04	3.3930+00
63	443.34	4.4779+00	7.0385-01	1.9149-03	7.0385-01	1.9149-03	4.0317-04	2.0211-02	3.5795+04	4.9200-04	3.7770+00
64	489.42	8.7014+01	1.4936+01	4.1898-02	1.4936+01	4.1898-02	8.8214-03	4.4223-01	7.8319+05	1.0788-02	1.0880+00
65	542.90	1.6654+02	2.9565+01	8.6046-02	2.9565+01	8.6046-02	1.8116-02	9.0821-01	1.6084+06	2.2212-02	1.3070+00
66	507.83	1.0047+02	1.7452+01	4.9571-02	1.7452+01	4.9571-02	1.0437-02	5.2322-01	9.2663+05	1.2775-02	1.6410+00
69	450.61	5.4187+00	9.0634-01	2.4775-03	9.0634-01	2.4775-03	5.2163-04	2.6150-02	4.6313+04	6.3678-04	4.1100-01
70	452.91	1.4599+01	2.4457+00	6.6956-03	2.4457+00	6.6956-03	1.4097-03	7.0672-02	1.2516+05	1.7211-03	7.1100-01
71	550.99	1.6403+02	2.9177+01	8.5403-02	2.9177+01	8.5403-02	1.7981-02	9.0141-01	1.5964+06	2.2055-02	1.3070+00
72	511.58	1.0074+02	1.7540+01	4.9951-02	1.7540+01	4.9951-02	1.0517-02	5.2723-01	9.3374+05	1.2875-02	1.6410+00
73	457.45	5.5184+00	8.9208-01	2.4496-03	8.9208-01	2.4496-03	5.1575-04	2.5855-02	4.5790+04	6.2979-04	3.7770+00
74	477.01	8.2166+00	1.3662+00	3.8007-03	1.3662+00	3.8007-03	8.0021-04	4.0116-02	7.1045+04	9.7804-04	5.3230+00
77	448.22	4.0197+00	6.6536-01	1.8160-03	6.6536-01	1.8160-03	3.8234-04	1.9167-02	3.3945+04	4.6669-04	3.0090+00
78	443.24	4.3714+00	7.1258-01	1.9385-03	7.1258-01	1.9385-03	4.0815-04	2.0461-02	3.6237+04	4.9807-04	3.3930+00
79	446.62	4.2805+00	6.8687-01	1.8727-03	6.8687-01	1.8727-03	3.9429-04	1.9766-02	3.5006+04	4.8124-04	3.7770+00
80	484.64	2.8540+00	4.8980-01	1.3695-03	4.8980-01	1.3695-03	2.8835-04	1.4455-02	2.5601+04	3.5256-04	2.4660+00
81	451.91	3.3912+00	5.6274-01	1.5396-03	5.6274-01	1.5396-03	3.2416-04	1.6250-02	2.8780+04	3.9574-04	3.0090+00
82	441.07	4.3922+00	7.1703-01	1.9479-03	7.1703-01	1.9479-03	4.1011-04	2.0560-02	3.6411+04	5.0042-04	3.3930+00
83	445.56	4.5330+00	7.3569-01	2.0044-03	7.3569-01	2.0044-03	4.2202-04	2.1156-02	3.7468+04	5.1506-04	3.7770+00
337	550.32	3.8704+01	7.5680+00	2.2141-02	7.5680+00	2.2141-02	4.6618-03	2.3370-01	4.1389+05	5.7178-03	7.1680+00
339	544.82	1.3378+01	2.6627+00	7.7600-03	2.6627+00	7.7600-03	1.6338-03	8.1906-02	1.4506+05	2.0034-03	8.1130+00
340	497.22	3.0275+00	5.7271-01	1.6151-03	5.7271-01	1.6151-03	3.4004-04	1.7047-02	3.0190+04	4.1601-04	8.6180+00
342	550.50	3.7299+01	7.5274+00	2.2025-02	7.5274+00	2.2025-02	4.6373-03	2.3248-01	4.1172+05	5.6878-03	7.1680+00
344	536.82	1.5747+01	3.1353+00	9.0863-03	3.1353+00	9.0863-03	1.9131-03	9.5905-02	1.6985+05	2.3449-03	8.1130+00
347	526.44	3.6219+01	6.9793+00	2.0081-02	6.9793+00	2.0081-02	4.2279-03	2.1195-01	3.7536+05	5.1796-03	7.1680+00
349	507.62	1.6926+01	3.3006+00	9.3739-03	3.3006+00	9.3739-03	1.9736-03	9.8940-02	1.7523+05	2.4157-03	8.1130+00
350	476.52	3.6010+00	6.3442-01	1.7643-03	6.3442-01	1.7643-03	3.7146-04	1.8622-02	3.2980+04	4.5400-04	8.6180+00
352	514.81	4.2642+01	7.9616+00	2.2723-02	7.9616+00	2.2723-02	4.7843-03	2.3984-01	4.2477+05	5.8580-03	7.1680+00
354	498.55	2.1463+01	4.1503+00	1.1715-02	4.1503+00	1.1715-02	2.4664-03	1.2365-01	2.1898+05	3.0176-03	8.1130+00
357	519.36	4.3486+01	8.1203+00	2.3249-02	8.1203+00	2.3249-02	4.8950-03	2.4539-01	4.3459+05	5.9948-03	7.1680+00
359	504.18	2.3288+01	4.2244+00	1.1970-02	4.2244+00	1.1970-02	2.5201-03	1.2634-01	2.2374+05	3.0841-03	8.1130+00
401	463.41	1.2456+01	1.0385+00	2.8628-03	1.0385+00	2.8628-03	6.0275-04	3.0217-02	5.3515+04	7.3624-04	4.5500-01
403	472.02	1.8569+01	1.5387+00	4.2663-03	1.5387+00	4.2663-03	8.9824-04	4.5030-02	7.9749+04	1.0976-03	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.2734-06	-5.6975-03	-4.2734-06	-8.9975-07	-4.5106-05	-7.9883+01	-9.4470-07	8.0100-01
405	512.29	6.8480+01	5.8247+00	1.6596-02	5.8247+00	1.6596-02	3.4941-03	1.7517-01	3.1022+05	4.2778-03	1.0510+00
406	525.20	1.1212+02	9.6715+00	2.7803-02	9.6715+00	2.7803-02	5.8537-03	2.9345-01	5.1971+05	7.1709-03	1.1670+00
407	580.75	1.9564+02	1.7760+01	5.3104-02	1.7760+01	5.3104-02	1.1181-02	5.6051-01	9.9267+05	1.3734-02	1.2830+00
408	466.61	1.6412+01	1.3389+00	3.6988-03	1.3389+00	3.6988-03	7.7875-04	3.9040-02	6.9140+04	9.5136-04	5.1300-01
409	465.48	1.8941+01	1.5720+00	4.3396-03	1.5720+00	4.3396-03	9.1369-04	4.5804-02	8.1120+04	1.1161-03	5.7000-01
410	468.96	2.1099+01	1.6925+00	4.6831-03	1.6925+00	4.6831-03	9.8600-04	4.9430-02	8.7541+04	1.2047-03	6.2800-01
411	472.57	2.5722+01	2.1449+00	5.9492-03	2.1449+00	5.9492-03	1.2526-03	6.2793-02	1.1121+05	1.5306-03	6.8600-01
412	475.11	1.8661+01	1.5495+00	4.3051-03	1.5495+00	4.3051-03	9.0641-04	4.5440-02	8.0474+04	1.1078-03	7.4400-01
413	481.86	3.5664+01	3.0102+00	8.4011-03	3.0102+00	8.4011-03	1.7688-03	8.8673-02	1.5704+05	2.1624-03	8.0100-01
414	484.06	3.8774+01	3.2386+00	9.0521-03	3.2386+00	9.0521-03	1.9059-03	9.5544-02	1.6921+05	2.3302-03	8.5900-01
415	491.48	4.8079+01	4.0595+00	1.1403-02	4.0595+00	1.1403-02	2.4009-03	1.2036-01	2.1316+05	2.9365-03	9.1700-01
416	469.89	2.0404+01	1.5771+00	4.3665-03	1.5771+00	4.3665-03	9.1934-04	4.6088-02	8.1622+04	1.1233-03	5.7000-01
417	505.81	6.9456+01	5.8835+00	1.6689-02	5.8835+00	1.6689-02	3.5138-03	1.7615-01	3.1196+05	4.3005-03	1.0520+00

CONFIDENTIAL

40 1 12.00 -.00 .00 -.00 402 1 2.15 10.18 1639.8 1875.0

9.07597+01 3.35904-02 2.43669+00 4.75211+03 3.10516-05 7.35154-08 1.68393-01 7.72000+00 7.67217-06 7.39736-02

1	450.73	6.8701+00	1.1492+00	3.1400-03	1.1492+00	3.1400-03	6.6139-04	3.3142-02	5.8656+04	8.0689-04	4.1100-01
2	450.75	1.3880+01	2.3218+00	6.3441-03	2.3218+00	6.3441-03	1.3363-03	6.6961-02	1.1851+05	1.6303-03	7.1100-01
3	579.57	1.6964+02	3.0778+01	9.1896-02	3.0778+01	9.1896-02	1.9356-02	9.6995-01	1.7166+06	2.3760-02	1.3070+00
4	535.05	1.0489+02	1.8531+01	5.3608-02	1.8531+01	5.3608-02	1.1292-02	5.6582-01	1.0014+06	1.3830-02	1.6410+00
5	491.72	4.3259+01	7.7845+00	2.1859-02	7.7845+00	2.1859-02	4.6041-03	2.3072-01	4.0832+05	5.6277-03	1.7720+00
6	482.88	2.8816+00	4.8531-01	1.3547-03	4.8531-01	1.3547-03	2.8533-04	1.4298-02	2.5305+04	3.4862-04	2.4660+00
7	456.06	3.9008+00	6.4339-01	1.7641-03	6.4339-01	1.7641-03	3.7158-04	1.8620-02	3.2954+04	4.5345-04	3.0090+00
8	446.89	4.5153+00	7.3349-01	1.9991-03	7.3349-01	1.9991-03	4.2108-04	2.1100-02	3.7344+04	5.1363-04	3.3930+00
9	444.63	4.4109+00	7.1541-01	1.9470-03	7.1541-01	1.9470-03	4.1009-04	2.0550-02	3.6369+04	5.0017-04	3.7770+00
10	469.99	6.8577+00	1.1350+00	3.1408-03	1.1350+00	3.1408-03	6.6156-04	3.3151-02	5.8671+04	8.0782-04	5.3230+00
14	486.68	6.5467+01	1.1217+01	3.1391-02	1.1217+01	3.1391-02	6.6120-03	3.3133-01	5.8639+05	8.0800-03	1.0880+00
15	571.23	1.7179+02	3.1018+01	9.2056-02	3.1018+01	9.2056-02	1.9390-02	9.7164-01	1.7196+06	2.3791-02	1.3070+00
16	520.63	1.0118+02	1.7716+01	5.0740-02	1.7716+01	5.0740-02	1.0687-02	5.3555-01	9.4783+05	1.3081-02	1.6410+00
19	456.83	5.2270+00	7.9841-01	2.1903-03	7.9841-01	2.1903-03	4.6135-04	2.3118-02	4.0915+04	5.6300-04	4.1100-01
20	460.86	1.4504+01	2.3287+00	6.4054-03	2.3287+00	6.4054-03	1.3492-03	6.7609-02	1.1965+05	1.6468-03	7.1100-01
21	497.08	7.9417+01	1.3259+01	3.7367-02	1.3259+01	3.7367-02	7.8707-03	3.9441-01	6.9802+05	9.6230-03	1.0880+00
22	566.54	1.6791+02	2.9438+01	8.7074-02	2.9438+01	8.7074-02	1.8341-02	9.1906-01	1.6266+06	2.2499-02	1.3070+00
23	816.29	6.5974-02	1.2931-02	4.6635-05	1.2931-02	4.6635-05	9.8228-06	4.9222-04	8.7114+02	1.2215-05	1.6410+00
24	463.10	4.2073+00	6.9103-01	1.9036-03	6.9103-01	1.9036-03	4.0096-04	2.0092-02	3.5560+04	4.8945-04	3.0090+00
25	455.98	4.0488+00	6.4591-01	1.7710-03	6.4591-01	1.7710-03	3.7302-04	1.8692-02	3.3082+04	4.5519-04	3.3930+00
26	452.42	3.7834+00	6.0581-01	1.6571-03	6.0581-01	1.6571-03	3.4904-04	1.7491-02	3.0955+04	4.2586-04	3.7770+00
27	460.23	1.4421+01	2.3143+00	6.3631-03	2.3143+00	6.3631-03	1.3403-03	6.7162-02	1.1886+05	1.6359-03	7.1100-01
28	500.32	8.3645+01	1.3994+01	3.9526-02	1.3994+01	3.9526-02	8.3253-03	4.1719-01	7.3834+05	1.0180-02	1.0880+00
29	586.73	1.6589+02	2.9693+01	8.9116-02	2.9693+01	8.9116-02	1.8771-02	9.4061-01	1.6647+06	2.3049-02	1.3070+00
30	519.95	9.8340+01	1.6961+01	4.8553-02	1.6961+01	4.8553-02	1.0227-02	5.1247-01	9.0697+05	1.2517-02	1.6410+00
31	485.90	4.5168+01	7.7353+00	2.1636-02	7.7353+00	2.1636-02	4.5571-03	2.2836-01	4.0415+05	5.5688-03	1.7720+00
32	481.87	3.0623+00	5.1542-01	1.4377-03	5.1542-01	1.4377-03	3.0283-04	1.5175-02	2.6857+04	3.6998-04	2.4660+00
33	457.70	5.8447+00	9.7083-01	2.6648-03	9.7083-01	2.6648-03	5.6130-04	2.8127-02	4.9779+04	6.8501-04	3.0090+00
34	449.12	6.4021+00	1.0416+00	2.8430-03	1.0416+00	2.8430-03	5.9882-04	3.0007-02	5.3107+04	7.3051-04	3.3930+00
35	447.00	5.8260+00	9.0667-01	2.4713-03	9.0667-01	2.4713-03	5.2053-04	2.6084-02	4.6164+04	6.3494-04	3.7770+00
36	597.63	1.7495+02	3.1135+01	9.4189-02	3.1135+01	9.4189-02	1.9839-02	9.9416-01	1.7595+06	2.4375-02	1.3070+00
37	486.31	9.2208+00	1.5749+00	4.4063-03	1.5749+00	4.4063-03	9.2810-04	4.6508-02	8.2310+04	1.1342-03	2.4660+00
38	454.66	6.7616+00	1.1042+00	3.0250-03	1.1042+00	3.0250-03	6.3715-04	3.1928-02	5.6507+04	7.7747-04	3.0090+00
39	443.39	5.7200+00	9.2138-01	2.5055-03	9.2138-01	2.5055-03	5.2773-04	2.6445-02	4.6802+04	6.4362-04	3.3930+00
40	444.02	6.5091+00	1.0394+00	2.8276-03	1.0394+00	2.8276-03	5.9559-04	2.9845-02	5.2821+04	7.2640-04	3.7770+00
41	450.93	6.5584+00	1.0298+00	2.8143-03	1.0298+00	2.8143-03	5.9277-04	2.9704-02	5.2571+04	7.2319-04	4.1620+00
43	468.38	7.8774+00	1.3179+00	3.6433-03	1.3179+00	3.6433-03	7.6739-04	3.8454-02	6.8057+04	9.3698-04	5.3230+00
47	462.17	1.5828+01	2.5668+00	7.0664-03	2.5668+00	7.0664-03	1.4884-03	7.4585-02	1.3200+05	1.8168-03	7.1100-01
48	518.79	8.8782+01	1.5210+01	4.3507-02	1.5210+01	4.3507-02	9.1640-03	4.5921-01	8.1272+05	1.1216-02	1.0880+00
49	569.60	1.6444+02	2.9228+01	8.6643-02	2.9228+01	8.6643-02	1.8250-02	9.1451-01	1.6185+06	2.2391-02	1.3070+00
50	530.94	9.4517+01	1.6511+01	4.7626-02	1.6511+01	4.7626-02	1.0031-02	5.0268-01	8.8965+05	1.2285-02	1.6410+00
51	493.13	4.5041+01	7.7500+00	2.1783-02	7.7500+00	2.1783-02	4.5881-03	2.2991-01	4.0690+05	5.6085-03	1.7720+00
52	478.38	3.4977+00	5.9605-01	1.6587-03	5.9605-01	1.6587-03	3.4939-04	1.7508-02	3.0986+04	4.2680-04	2.4660+00
53	449.36	5.6748+00	9.2340-01	2.5208-03	9.2340-01	2.5208-03	5.3096-04	2.6607-02	4.7089+04	6.4773-04	3.0090+00
54	440.31	6.0618+00	9.6847-01	2.6282-03	9.6847-01	2.6282-03	5.5359-04	2.7741-02	4.9095+04	6.7506-04	3.3930+00
55	441.53	5.6390+00	8.8523-01	2.4042-03	8.8523-01	2.4042-03	5.0641-04	2.5376-02	4.4911+04	6.1756-04	3.7770+00
56	453.63	3.9397+00	6.0627-01	1.6597-03	6.0627-01	1.6597-03	3.4959-04	1.7518-02	3.1003+04	4.2655-04	4.1100-01
57	462.08	1.6390+01	2.6416+00	7.2721-03	2.6416+00	7.2721-03	1.5317-03	7.6756-02	1.3584+05	1.8697-03	7.1100-01
58	513.08	9.0573+01	1.5462+01	4.4052-02	1.5462+01	4.4052-02	9.2788-03	4.6497-01	8.2290+05	1.1353-02	1.0880+00
59	581.50	1.5789+02	2.8177+01	8.4245-02	2.8177+01	8.4245-02	1.7745-02	8.8920-01	1.5737+06	2.1784-02	1.3070+00
60	534.22	9.7178+01	1.6909+01	4.8888-02	1.6909+01	4.8888-02	1.0297-02	5.1600-01	9.1323+05	1.2612-02	1.6410+00
61	449.17	4.5205+00	7.3328-01	2.0015-03	7.3328-01	2.0015-03	4.2158-04	2.1126-02	3.7388+04	5.1430-04	3.0090+00
62	439.72	4.2400+00	6.7713-01	1.8369-03	6.7713-01	1.8369-03	3.8691-04	1.9388-02	3.4313+04	4.7179-04	3.3930+00
63	444.38	4.3039+00	6.7698-01	1.8421-03	6.7698-01	1.8421-03	3.8800-04	1.9443-02	3.4410+04	4.7322-04	3.7770+00
64	512.54	9.0390+01	1.5747+01	4.4850-02	1.5747+01	4.4850-02	9.4468-03	4.7338-01	8.3780+05	1.1558-02	1.0880+00
65	583.22	1.5899+02	2.8968+01	8.6539-02	2.8968+01	8.6539-02	1.8228-02	9.1341-01	1.6166+06	2.2379-02	1.3070+00
66	532.41	9.7337+01	1.7169+01	4.9576-02	1.7169+01	4.9576-02	1.0442-02	5.2327-01	9.2609+05	1.2789-02	1.6410+00
69	451.94	5.5252+00	9.2499-01	2.5294-03	9.2499-01	2.5294-03	5.3277-04	2.6698-02	4.7249+04	6.5002-04	4.1100-01
70	456.67	1.5064+01	2.5300+00	6.9400-03	2.5300+00	6.9400-03	1.4618-03	7.3251-02	1.2964+05	1.7839-03	7.1100-01
71	590.47	1.5594+02	2.8388+01	8.5432-02	2.8388+01	8.5432-02	1.7995-02	9.0173-01	1.5959+06	2.2101-02	1.3070+00
72	535.58	9.6702+01	1.7095+01	4.9484-02	1.7095+01	4.9484-02	1.0423-02	5.2230-01	9.2437+05	1.2767-02	1.6410+00
73	458.47	4.3216+00	6.9909-01	1.9199-03	6.9909-01	1.9199-03	4.0439-04	2.0264-02	3.5864+04	4.9354-04	3.7770+00
74	478.43	6.2691+00	1.0434+00	2.9037-03	1.0434+00	2.9037-03	6.1161-04	3.0648-02	5.4242+04	7.4712-04	5.3230+00
77	449.23	4.1091+00	6.8062-01	1.8579-03	6.8062-01	1.8579-03	3.9133-04	1.9610-02	3.4705+04	4.7739-04	3.0090+00
78	444.33	4.4291+00	7.2253-01	1.9659-03	7.2253-01	1.9659-03	4.1409-04	2.0750-02	3.6724+04	5.0504-04	3.3930+00
79	447.69	4.3590+00	6.9997-01	1.9088-03	6.9997-01	1.9088-03	4.0204-04	2.0147-02	3.5656+04	4.9043-04	3.7770+00
80	485.37	2.8894+00	4.9610-01	1.3871-03	4.9610-01	1.3871-03	2.9216-04	1.4640-02	2.5911+04	3.5701-04	2.4660+00
81	452.75	3.6244+00	6.0179-01	1.6465-03	6.0179-01	1.6465-03	3.4680-04	1.7378-02	3.0756+04	4.2314-04	3.0090+00
82	442.21	4.5465+00	7.4281-01	2.0183-03	7.4281-01	2.0183-03	4.2512-04	2.1303-02	3.7702+04	5.1845-04	3.3930+00
83	446.71	4.5974+00	7.4673-01	2.0350-03	7.4673-01	2.0350-03	4.2863-04	2.1479-02	3.8013+04	5.2283-04	3.7770+00
337	559.95	3.8346+01	7.5413+00	2.2202-02	7.5413+00	2.2202-02	4.6764-03	2.3434-01	4.1473+05	5.7348-03	7.1680+00
339	548.22	1.3596+01	2.7117+00	7.9173-03	2.7117+00	7.9173-03	1.6676-03	8.3566-02	1.4790+05	2.0439-03	8.1130+00
340	498.00	3.0769+00	5.8234-01	1.6422-03	5.8234-01	1.6422-03	3.4589-04	1.7333-02	3.0676+04	4.2292-04	8.6180+00
342	559.75	3.6872+01	7.4825+00	2.2026-02	7.4825+00	2.2026-02	4.6393-03	2.3248-01	4.1144+05	5.6892-03	7.1680+00
344	540.76	1.5778+01	3.1491+00	9.1463-03	3.1491+00	9.1463-03	1.9265-03	9.6538-02	1.7085+05	2.3603-03	8.1130+00
347	535.12	3.5051+01	6.7905+00	1.9645-02	6.7905+00	1.9645-02	4.1378-03	2.0735-01	3.6696+05	5.0682-03	7.1680+00
349	511.53	1.5899+01	3.1081+00	8.8460-03	3.1081+00	8.8460-03	1.8632-03	9.3368-02	1.6524+05	2.2796-03	8.1130+00
350	477.35	3.4307+00	6.0473-01	1.6818-03	6.0473-01	1.6818-03	3.5423-04	1.7751-02	3.1415+04	4.3269-04	8.6180+00
352	524.53	3.9189+01	7.3615+00	2.1140-02	7.3615+00	2.1140-02	4.4528-03	2.2313-01	3.9490+05	5.4512-03	7.1680+00
354	503.00	1.7996+01	3.4899+00	9.8748-03	3.4899+00	9.8748-03	2.0800-03	1.0423-01	1.8446+05	2.5437-03	8.1130+00
357	529.22	3.9572+01	7.4349+00	2.1421-02	7.4349+00	2.1421-02	4.5119-03	2.2609-01	4.0014+05	5.5248-03	7.1680+00
359	508.92	1.8703+01	3.4031+00	9.6682-03	3.4031+00	9.6682-03	2.0364-03	1.0205-01	1.8060+05	2.4912-03	8.1130+00
401	466.56	1.2601+01	1.0528+00	2.9068-03	1.0528+00	2.9068-03	6.1226-04	3.0681-02	5.4299+04	7.4750-04	4.5500-01
403	476.75	1.8768+01	1.5601+00	4.3367-03	1.5601+00	4.3367-03	9.1345-04	4.5774-02	8.1010+04	1.1158-03	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0022-10	-4.0033-07	-3.0022-10	-6.3236-11	-3.1688-09	-5.6082-03	-6.6366-11	8.0100-01
405	529.69	6.9391+01	5.9667+00	1.7196-02	5.9667+00	1.7196-02	3.6221-03	1.8150-01	3.2123+05	4.4353-03	1.0510+00
406	554.33	1.1674+02	1.0251+01	3.0060-02	1.0251+01	3.0060-02	6.3316-03	3.1728-01	5.6152+05	7.7625-03	1.1670+00
407	630.13	1.9058+02	1.7788+01	5.5125-02	1.7788+01	5.5125-02	1.1611-02	5.8184-01	1.0297+06	1.4289-02	1.2830+00
408	470.77	1.6599+01	1.3579+00	3.7597-03	1.3579+00	3.7597-03	7.9191-04	3.9683-02	7.0231+04	9.6702-04	5.1300-01
409	470.27	1.9241+01	1.6021+00	4.4343-03	1.6021+00	4.4343-03	9.3400-04	4.6803-02	8.2833+04	1.1405-03	5.7000-01
410	474.29	2.1377+01	1.7209+00	4.7761-03	1.7209+00	4.7761-03	1.0060-03	5.0411-02	8.9218+04	1.2287-03	6.2800-01
411	479.11	2.6072+01	2.1836+00	6.0797-03	2.1836+00	6.0797-03	1.2806-03	6.4171-02	1.1357+05	1.5644-03	6.8600-01
412	479.94	1.9156+01	1.5957+00	4.4452-03	1.5957+00	4.4452-03	9.3631-04	4.6919-02	8.3038+04	1.1438-03	7.4400-01
413	490.98	3.5990+01	3.0558+00	8.5764-03	3.0558+00	8.5764-03	1.8065-03	9.0523-02	1.6021+05	2.2080-03	8.0100-01
414	493.85	3.9228+01	3.2975+00	9.2725-03	3.2975+00	9.2725-03	1.9531-03	9.7871-02	1.7321+05	2.3876-03	8.5900-01
415	503.60	4.8322+01	4.1120+00	1.1640-02	4.1120+00	1.1640-02	2.4517-03	1.2286-01	2.1743+05	2.9985-03	9.1700-01
416	475.04	2.0612+01	1.5987+00	4.4391-03	1.5987+00	4.4391-03	9.3502-04	4.6855-02	8.2923+04	1.1420-03	5.7000-01
417	523.58	7.2175+01	6.1826+00	1.7743-02	6.1826+00	1.7743-02	3.7373-03	1.8728-01	3.3144+05	4.5751-03	1.0520+00

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40 1 12.00 -.00 .00 -.00 402 1 2.40 10.18 1639.8 1875.5

9.07873+01 3.35886-02 2.43656+00 4.75283+03 3.10405-05 7.35377-08 1.68307-01 7.72000+00 7.67480-06 7.39709-02

1	452.39	6.7600+00	1.1321+00	3.0966-03	1.1321+00	3.0966-03	6.5237-04	3.2684-02	5.7824+04	7.9550-04	4.1100-01
2	454.23	1.4162+01	2.3745+00	6.5030-03	2.3745+00	6.5030-03	1.3700-03	6.8639-02	1.2144+05	1.6707-03	7.1100-01
3	620.76	1.6211+02	3.0107+01	9.2650-02	3.0107+01	9.2650-02	1.9519-02	9.7792-01	1.7301+06	2.3995-02	1.3070+00
4	560.94	1.0210+02	1.8324+01	5.3984-02	1.8324+01	5.3984-02	1.1373-02	5.6979-01	1.0081+06	1.3939-02	1.6410+00
5	502.73	4.4154+01	8.0022+00	2.2639-02	8.0022+00	2.2639-02	4.7694-03	2.3895-01	4.2275+05	5.8293-03	1.7720+00
6	483.62	2.9709+00	5.0060-01	1.3980-03	5.0060-01	1.3980-03	2.9453-04	1.4756-02	2.6106+04	3.5967-04	2.4660+00
7	457.06	4.0307+00	6.6526-01	1.8253-03	6.6526-01	1.8253-03	3.8455-04	1.9266-02	3.4085+04	4.6902-04	3.0090+00
8	448.05	4.6327+00	7.5316-01	2.0543-03	7.5316-01	2.0543-03	4.3279-04	2.1683-02	3.8361+04	5.2763-04	3.3930+00
9	445.76	4.5153+00	7.3292-01	1.9961-03	7.3292-01	1.9961-03	4.2052-04	2.1068-02	3.7274+04	5.1263-04	3.7770+00
10	471.73	6.9361+00	1.1493+00	3.1841-03	1.1493+00	3.1841-03	6.7082-04	3.3608-02	5.9460+04	8.1872-04	5.3230+00
14	503.52	6.6410+01	1.1504+01	3.2562-02	1.1504+01	3.2562-02	6.8599-03	3.4368-01	6.0805+05	8.3848-03	1.6880+00
15	612.96	1.6398+02	3.0323+01	9.2775-02	3.0323+01	9.2775-02	1.9545-02	9.7923-01	1.7325+06	2.4018-02	1.3070+00
16	545.58	9.8646+01	1.7541+01	5.1118-02	1.7541+01	5.1118-02	1.0769-02	5.3955-01	9.5457+05	1.3190-02	1.6410+00
19	458.16	5.2862+00	8.0819-01	2.2191-03	8.0819-01	2.2191-03	4.6751-04	2.3422-02	4.1438+04	5.7022-04	4.1100-01
20	464.58	1.4776+01	2.3782+00	6.5577-03	2.3782+00	6.5577-03	1.3816-03	6.9216-02	1.2246+05	1.6856-03	7.1100-01
21	517.54	8.0047+01	1.3540+01	3.8695-02	1.3540+01	3.8695-02	8.1520-03	4.0842-01	7.2258+05	9.9707-03	1.0880+00
22	607.27	1.6066+02	2.8834+01	8.7851-02	2.8834+01	8.7851-02	1.8508-02	9.2726-01	1.6405+06	2.2736-02	1.3070+00
23	816.31	9.8181-02	1.9244-02	6.9402-05	1.9244-02	6.9402-05	1.4621-05	7.3254-04	1.2960+03	1.8169-05	1.6410+00
24	464.18	4.2608+00	7.0033-01	1.9306-03	7.0033-01	1.9306-03	4.0673-04	2.0377-02	3.6051+04	4.9623-04	3.0090+00
25	457.00	4.1662+00	6.6510-01	1.8248-03	6.6510-01	1.8248-03	3.8444-04	1.9261-02	3.4076+04	4.6889-04	3.3930+00
26	453.36	3.9979+00	6.4057-01	1.7533-03	6.4057-01	1.7533-03	3.6938-04	1.8506-02	3.2741+04	4.5044-04	3.7770+00
27	463.91	1.4608+01	2.3502+00	6.4777-03	2.3502+00	6.4777-03	1.3647-03	6.8371-02	1.2096+05	1.6650-03	7.1100-01
28	521.95	8.4524+01	1.4336+01	4.1097-02	1.4336+01	4.1097-02	8.6581-03	4.3377-01	7.6743+05	1.0592-02	1.0880+00
29	627.27	1.5901+02	2.9117+01	9.0042-02	2.9117+01	9.0042-02	1.8970-02	9.5038-01	1.6814+06	2.3327-02	1.3070+00
30	544.15	9.5787+01	1.6769+01	4.8819-02	1.6769+01	4.8819-02	1.0285-02	5.1528-01	9.1164+05	1.2596-02	1.6410+00
31	497.36	4.5876+01	7.9154+00	2.2311-02	7.9154+00	2.2311-02	4.7005-03	2.3549-01	4.1664+05	5.7436-03	1.7720+00
32	482.67	3.2021+00	5.3922-01	1.5049-03	5.3922-01	1.5049-03	3.1705-04	1.5884-02	2.8102+04	3.8715-04	2.4660+00
33	459.19	5.9475+00	9.8892-01	2.7172-03	9.8892-01	2.7172-03	5.7244-04	2.8679-02	5.0740+04	6.9825-04	3.0090+00
34	450.73	6.2125+00	1.0118+00	2.7647-03	1.0118+00	2.7647-03	5.8246-04	2.9181-02	5.1628+04	7.1020-04	3.3930+00
35	448.45	5.8509+00	9.1146-01	2.4867-03	9.1146-01	2.4867-03	5.2389-04	2.6247-02	4.6436+04	6.3871-04	3.7770+00
36	640.50	1.6683+02	3.0401+01	9.4956-02	3.0401+01	9.4956-02	2.0005-02	1.0022+00	1.7732+06	2.4617-02	1.3070+00
37	488.64	9.2681+00	1.5854+00	4.4426-03	1.5854+00	4.4426-03	9.3594-04	4.6891-02	8.2959+04	1.1432-03	2.4660+00
38	456.43	7.0727+00	1.1564+00	3.1717-03	1.1564+00	3.1717-03	6.6819-04	3.3477-02	5.9227+04	8.1494-04	3.0090+00
39	444.85	5.8930+00	9.5020-01	2.5863-03	9.5020-01	2.5863-03	5.4487-04	2.7298-02	4.8296+04	6.6419-04	3.3930+00
40	445.65	6.6088+00	1.0565+00	2.8773-03	1.0565+00	2.8773-03	6.0617-04	3.0369-02	5.3729+04	7.3893-04	3.7770+00
41	452.50	6.4800+00	1.0186+00	2.7864-03	1.0186+00	2.7864-03	5.8704-04	2.9411-02	5.2033+04	7.1583-04	4.1620+00
43	470.34	7.8010+00	1.3069+00	3.6174-03	1.3069+00	3.6174-03	7.6209-04	3.8181-02	6.7550+04	9.3006-04	5.3230+00
47	466.15	1.5861+01	2.5791+00	7.1190-03	2.5791+00	7.1190-03	1.4998-03	7.5140-02	1.3294+05	1.8300-03	7.1100-01
48	540.95	8.7495+01	1.5197+01	4.4143-02	1.5197+01	4.4143-02	9.2999-03	4.6592-01	8.2431+05	1.1387-02	1.0880+00
49	609.56	1.5731+02	2.8609+01	8.7311-02	2.8609+01	8.7311-02	1.8394-02	9.2156-01	1.6304+06	2.2599-02	1.3070+00
50	554.24	9.2036+01	1.6307+01	4.7813-02	1.6307+01	4.7813-02	1.0073-02	5.0466-01	8.9285+05	1.2342-02	1.6410+00
51	504.52	4.5712+01	7.9234+00	2.2443-02	7.9234+00	2.2443-02	4.7282-03	2.3688-01	4.1909+05	5.7796-03	1.7720+00
52	479.28	3.5423+00	6.0402-01	1.6819-03	6.0402-01	1.6819-03	3.5434-04	1.7753-02	3.1408+04	4.3262-04	2.4660+00
53	450.78	5.4862+00	8.9359-01	2.4417-03	8.9359-01	2.4417-03	5.1440-04	2.5772-02	4.5595+04	6.2721-04	3.0090+00
54	441.82	6.0971+00	9.7513-01	2.6489-03	9.7513-01	2.6489-03	5.5806-04	2.7959-02	4.9465+04	6.8017-04	3.3930+00
55	442.95	5.6868+00	8.9361-01	2.4293-03	8.9361-01	2.4293-03	5.1179-04	2.5641-02	4.5363+04	6.2380-04	3.7770+00
56	454.65	4.1558+00	6.3997-01	1.7531-03	6.3997-01	1.7531-03	3.6934-04	1.8504-02	3.2737+04	4.5042-04	4.1100-01
57	466.21	1.6332+01	2.6396+00	7.2865-03	2.6396+00	7.2865-03	1.5351-03	7.6908-02	1.3607+05	1.8731-03	7.1100-01
58	535.61	8.8738+01	1.5362+01	4.4458-02	1.5362+01	4.4458-02	9.3662-03	4.6925-01	8.3020+05	1.1466-02	1.0880+00
59	620.21	1.5177+02	2.7683+01	8.5156-02	2.7683+01	8.5156-02	1.7940-02	8.9881-01	1.5902+06	2.2053-02	1.3070+00
60	558.17	9.4681+01	1.6716+01	4.9149-02	1.6716+01	4.9149-02	1.0355-02	5.1877-01	9.1780+05	1.2689-02	1.6410+00
61	450.30	4.3569+00	7.0728-01	1.9320-03	7.0728-01	1.9320-03	4.0702-04	2.0392-02	3.6077+04	4.9628-04	3.0090+00
62	440.79	4.2514+00	6.7946-01	1.8445-03	6.7946-01	1.8445-03	3.8859-04	1.9468-02	3.4443+04	4.7359-04	3.3930+00
63	445.46	4.3605+00	6.8639-01	1.8690-03	6.8639-01	1.8690-03	3.9375-04	1.9727-02	3.4901+04	4.7999-04	3.7770+00
64	535.11	8.8799+01	1.5689+01	4.5388-02	1.5689+01	4.5388-02	9.5622-03	4.7907-01	8.4757+05	1.1705-02	1.0880+00
65	622.20	1.5300+02	2.8437+01	8.7606-02	2.8437+01	8.7606-02	1.8457-02	9.2468-01	1.6359+06	2.2690-02	1.3070+00
66	556.40	9.4801+01	1.6967+01	4.9826-02	1.6967+01	4.9826-02	1.0497-02	5.2591-01	9.3044+05	1.2863-02	1.6410+00
69	453.30	5.6364+00	9.4448-01	2.5850-03	9.4448-01	2.5850-03	5.4460-04	2.7284-02	4.8272+04	6.6411-04	4.1100-01
70	460.49	1.5242+01	2.5666+00	7.0581-03	2.5666+00	7.0581-03	1.4870-03	7.4497-02	1.3180+05	1.8139-03	7.1100-01
71	628.70	1.5033+02	2.7958+01	8.6552-02	2.7958+01	8.6552-02	1.8234-02	9.1354-01	1.6162+06	2.2424-02	1.3070+00
72	559.72	9.3898+01	1.6839+01	4.9566-02	1.6839+01	4.9566-02	1.0442-02	5.2317-01	9.2559+05	1.2798-02	1.6410+00
73	459.52	4.2545+00	6.8874-01	1.8928-03	6.8874-01	1.8928-03	3.9876-04	1.9978-02	3.5345+04	4.8641-04	3.7770+00
74	479.97	6.1974+00	1.0325+00	2.8764-03	1.0325+00	2.8764-03	6.0599-04	3.0360-02	5.3713+04	7.3988-04	5.3230+00
77	450.29	4.0509+00	6.7147-01	1.8341-03	6.7147-01	1.8341-03	3.8641-04	1.9359-02	3.4250+04	4.7114-04	3.0090+00
78	445.45	4.5553+00	7.4370-01	2.0250-03	7.4370-01	2.0250-03	4.2662-04	2.1374-02	3.7815+04	5.2006-04	3.3930+00
79	448.78	4.3896+00	7.0542-01	1.9250-03	7.0542-01	1.9250-03	4.0555-04	2.0318-02	3.5947+04	4.9444-04	3.7770+00
80	486.09	2.9901+00	5.1364-01	1.4368-03	5.1364-01	1.4368-03	3.0271-04	1.5166-02	2.6831+04	3.6969-04	2.4660+00
81	453.71	3.9117+00	6.4991-01	1.7793-03	6.4991-01	1.7793-03	3.7484-04	1.8780-02	3.3225+04	4.5711-04	3.0090+00
82	443.37	4.5813+00	7.4909-01	2.0369-03	7.4909-01	2.0369-03	4.2913-04	2.1500-02	3.8037+04	5.2307-04	3.3930+00
83	447.88	4.6769+00	7.6025-01	2.0734-03	7.6025-01	2.0734-03	4.3681-04	2.1884-02	3.8718+04	5.3254-04	3.7770+00
337	569.50	3.8031+01	7.5216+00	2.2295-02	7.5216+00	2.2295-02	4.6971-03	2.3533-01	4.1634+05	5.7594-03	7.1680+00
339	551.64	1.3721+01	2.7422+00	8.0257-03	2.7422+00	8.0257-03	1.6908-03	8.4710-02	1.4987+05	2.0714-03	8.1130+00
340	498.77	3.1060+00	5.8814-01	1.6594-03	5.8814-01	1.6594-03	3.4959-04	1.7515-02	3.0987+04	4.2721-04	8.6180+00
342	568.91	3.6613+01	7.4703+00	2.2134-02	7.4703+00	2.2134-02	4.6631-03	2.3362-01	4.1332+05	5.7175-03	7.1680+00
344	544.73	1.5811+01	3.1634+00	9.2133-03	3.1634+00	9.2133-03	1.9410-03	9.7246-02	1.7205+05	2.3771-03	8.1130+00
347	543.88	3.4974+01	6.8118+00	1.9828-02	6.8118+00	1.9828-02	4.1772-03	2.0928-01	3.7026+05	5.1155-03	7.1680+00
349	515.49	1.5864+01	3.1089+00	8.8725-03	3.1089+00	8.8725-03	1.8692-03	9.3648-02	1.6568+05	2.2860-03	8.1130+00
350	478.20	3.3683+00	5.9408-01	1.6531-03	5.9408-01	1.6531-03	3.4826-04	1.7448-02	3.0869+04	4.2517-04	8.6180+00
352	534.18	3.8578+01	7.2903+00	2.1077-02	7.2903+00	2.1077-02	4.4404-03	2.2246-01	3.9358+05	5.4353-03	7.1680+00
354	507.32	1.7563+01	3.4152+00	9.6920-03	3.4152+00	9.6920-03	2.0419-03	1.0230-01	1.8099+05	2.4962-03	8.1130+00
357	538.95	3.8953+01	7.3625+00	2.1357-02	7.3625+00	2.1357-02	4.4993-03	2.2542-01	3.9881+05	5.5087-03	7.1680+00
359	513.26	1.7678+01	3.2254+00	9.1908-03	3.2254+00	9.1908-03	1.9363-03	9.7008-02	1.7163+05	2.3678-03	8.1130+00
401	469.73	1.2683+01	1.0619+00	2.9382-03	1.0619+00	2.9382-03	6.1901-04	3.1013-02	5.4868+04	7.5542-04	4.5500-01
403	481.43	1.8899+01	1.5758+00	4.3943-03	1.5758+00	4.3943-03	9.2576-04	4.6381-02	8.2057+04	1.1304-03	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.2699-06	-5.6936-03	-4.2699-06	-8.9956-07	-4.5068-05	-7.9734+01	-9.4381-07	8.0100-01
405	547.14	6.9237+01	6.0174+00	1.7555-02	6.0174+00	1.7555-02	3.6985-03	1.8530-01	3.2783+05	4.5300-03	1.0510+00
406	584.15	1.1750+02	1.0500+01	3.1456-02	1.0500+01	3.1456-02	6.6270-03	3.3201-01	5.8740+05	8.1315-03	1.1670+00
407	676.80	1.7985+02	1.7206+01	5.5265-02	1.7206+01	5.5265-02	1.1643-02	5.8331-01	1.0320+06	1.4354-02	1.2830+00
408	474.92	1.6658+01	1.3665+00	3.7939-03	1.3665+00	3.7939-03	7.9928-04	4.0044-02	7.0846+04	9.7565-04	5.1300-01
409	475.14	1.9272+01	1.6099+00	4.4704-03	1.6099+00	4.4704-03	9.4180-04	4.7185-02	8.3479+04	1.1496-03	5.7000-01
410	479.68	2.1490+01	1.7362+00	4.8360-03	1.7362+00	4.8360-03	1.0188-03	5.1043-02	9.0306+04	1.2439-03	6.2800-01
411	485.63	2.5937+01	2.1816+00	6.1008-03	2.1816+00	6.1008-03	1.2853-03	6.4393-02	1.1392+05	1.5697-03	6.8600-01
412	484.75	1.9309+01	1.6135+00	4.5094-03	1.6135+00	4.5094-03	9.5002-04	4.7596-02	8.4208+04	1.1602-03	7.4400-01
413	500.04	3.5840+01	3.0610+00	8.6437-03	3.0610+00	8.6437-03	1.8210-03	9.1233-02	1.6141+05	2.2254-03	8.0100-01
414	503.71	3.9477+01	3.3395+00	9.4540-03	3.3395+00	9.4540-03	1.9917-03	9.9786-02	1.7654+05	2.4345-03	8.5900-01
415	515.65	4.8192+01	4.1324+00	1.1795-02	4.1324+00	1.1795-02	2.4848-03	1.2449-01	2.2025+05	3.0389-03	9.1700-01
416	480.22	2.0739+01	1.6141+00	4.4973-03	1.6141+00	4.4973-03	9.4748-04	4.7469-02	8.3982+04	1.1568-03	5.7000-01
417	541.95	7.4257+01	6.4334+00	1.8701-02	6.4334+00	1.8701-02	3.9398-03	1.9738-01	3.4921+05	4.8243-03	1.0520+00

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40 1 12.00 -.00 .00 -.00 402 1 2.65 10.18 1639.8 1876.2

9.08241+01 3.35861-02 2.43638+00 4.75379+03 3.10256-05 7.35676-08 1.68193-01 7.72000+00 7.67829-06 7.39672-02

1	454.03	6.7782+00	1.1364+00	3.1134-03	1.1364+00	3.1134-03	6.5610-04	3.2862-02	5.8112+04	7.9906-04	4.1100-01
2	457.81	1.4507+01	2.4383+00	6.6970-03	2.4383+00	6.6970-03	1.4113-03	7.0686-02	1.2500+05	1.7191-03	7.1100-01
3	660.55	1.5574+02	2.9548+01	9.3774-02	2.9548+01	9.3774-02	1.9761-02	9.8978-01	1.7503+06	2.4307-02	1.3070+00
4	586.03	9.9546+01	1.8129+01	5.4414-02	1.8129+01	5.4414-02	1.1467-02	5.7433-01	1.0156+06	1.4052-02	1.6410+00
5	513.87	4.4599+01	8.1403+00	2.3219-02	8.1403+00	2.3219-02	4.8929-03	2.4507-01	4.3338+05	5.9754-03	1.7720+00
6	484.38	3.0852+00	5.2012-01	1.4541-03	5.2012-01	1.4541-03	3.0642-04	1.5348-02	2.7141+04	3.7371-04	2.4660+00
7	458.07	4.0618+00	6.7087-01	1.8429-03	6.7087-01	1.8429-03	3.8836-04	1.9452-02	3.4398+04	4.7308-04	3.0090+00
8	449.22	4.7460+00	7.7219-01	2.1089-03	7.7219-01	2.1089-03	4.4442-04	2.2260-02	3.9364+04	5.4115-04	3.3930+00
9	446.88	4.4935+00	7.2994-01	1.9905-03	7.2994-01	1.9905-03	4.1946-04	2.1009-02	3.7153+04	5.1070-04	3.7770+00
10	473.46	6.8909+00	1.1431+00	3.1724-03	1.1431+00	3.1724-03	6.6853-04	3.3484-02	5.9214+04	8.1492-04	5.3230+00
14	520.11	6.5826+01	1.1523+01	3.3008-02	1.1523+01	3.3008-02	6.9558-03	3.4839-01	6.1610+05	8.4972-03	1.0880+00
15	653.13	1.5712+02	2.9695+01	9.3704-02	2.9695+01	9.3704-02	1.9747-02	9.8904-01	1.7490+06	2.4279-02	1.3070+00
16	569.90	9.6280+01	1.7370+01	5.1534-02	1.7370+01	5.1534-02	1.0860-02	5.4393-01	9.6189+05	1.3298-02	1.6410+00
19	459.47	5.1849+00	7.9340-01	2.1815-03	7.9340-01	2.1815-03	4.5972-04	2.3026-02	4.0719+04	5.6003-04	4.1100-01
20	468.27	1.4789+01	2.3862+00	6.5994-03	2.3862+00	6.5994-03	1.3907-03	6.9656-02	1.2318+05	1.6949-03	7.1100-01
21	537.40	7.8654+01	1.3469+01	3.9049-02	1.3469+01	3.9049-02	8.2289-03	4.1216-01	7.2886+05	1.0061-02	1.0880+00
22	646.72	1.5462+02	2.8357+01	8.9044-02	2.8357+01	8.9044-02	1.8765-02	9.3985-01	1.6620+06	2.3064-02	1.3070+00
23	816.33	8.9348-02	1.7513-02	6.3205-05	1.7513-02	6.3205-05	1.3320-05	6.6713-04	1.1797+03	1.6524-05	1.6410+00
24	465.23	4.2551+00	6.9989-01	1.9318-03	6.9989-01	1.9318-03	4.0709-04	2.0389-02	3.6057+04	4.9604-04	3.0090+00
25	458.07	4.2442+00	6.7803-01	1.8626-03	6.7803-01	1.8626-03	3.9251-04	1.9659-02	3.4766+04	4.7813-04	3.3930+00
26	454.44	4.3117+00	6.9135-01	1.8946-03	6.9135-01	1.8946-03	3.9926-04	1.9998-02	3.5364+04	4.8627-04	3.7770+00
27	467.54	1.4568+01	2.3495+00	6.4948-03	2.3495+00	6.4948-03	1.3687-03	6.8552-02	1.2123+05	1.6679-03	7.1100-01
28	542.86	8.2938+01	1.4250+01	4.1471-02	1.4250+01	4.1471-02	8.7394-03	4.3773-01	7.7407+05	1.0687-02	1.0880+00
29	666.18	1.5234+02	2.8480+01	9.0779-02	2.8480+01	9.0779-02	1.9130-02	9.5816-01	1.6944+06	2.3537-02	1.3070+00
30	567.80	9.3368+01	1.6578+01	4.9109-02	1.6578+01	4.9109-02	1.0349-02	5.1834-01	9.1663+05	1.2671-02	1.6410+00
31	508.90	4.6131+01	8.0183+00	2.2793-02	8.0183+00	2.2793-02	4.8032-03	2.4057-01	4.2543+05	5.8644-03	1.7720+00
32	483.47	3.3122+00	5.5806-01	1.5592-03	5.5806-01	1.5592-03	3.2857-04	1.6457-02	2.9103+04	4.0070-04	2.4660+00
33	460.68	5.9771+00	9.9484-01	2.7376-03	9.9484-01	2.7376-03	5.7691-04	2.8895-02	5.1098+04	7.0283-04	3.0090+00
34	452.23	6.1860+00	1.0086+00	2.7599-03	1.0086+00	2.7599-03	5.8161-04	2.9131-02	5.1515+04	7.0829-04	3.3930+00
35	449.92	5.6161+00	8.7577-01	2.3929-03	8.7577-01	2.3929-03	5.0427-04	2.5257-02	4.4664+04	6.1404-04	3.7770+00
36	681.12	1.5808+02	2.9427+01	9.4896-02	2.9427+01	9.4896-02	1.9998-02	1.0016+00	1.7712+06	2.4624-02	1.3070+00
37	490.96	9.1777+00	1.5723+00	4.4152-03	1.5723+00	4.4152-03	9.3043-04	4.6602-02	8.2411+04	1.1351-03	2.4660+00
38	458.19	7.0868+00	1.1601+00	3.1872-03	1.1601+00	3.1872-03	6.7164-04	3.3640-02	5.9489+04	8.1815-04	3.0090+00
39	446.36	6.1096+00	9.8615-01	2.6882-03	9.8615-01	2.6882-03	5.6650-04	2.8374-02	5.0177+04	6.8971-04	3.3930+00
40	447.33	6.7044+00	1.0731+00	2.9270-03	1.0731+00	2.9270-03	6.1682-04	3.0894-02	5.4633+04	7.5100-04	3.7770+00
41	454.09	6.6634+00	1.0486+00	2.8729-03	1.0486+00	2.8729-03	6.0543-04	3.0324-02	5.3624+04	7.3735-04	4.1620+00
43	472.27	7.7294+00	1.2965+00	3.5953-03	1.2965+00	3.5953-03	7.5765-04	3.7948-02	6.7107+04	9.2351-04	5.3230+00
47	470.11	1.5812+01	2.5780+00	7.1385-03	2.5780+00	7.1385-03	1.5043-03	7.5346-02	1.3324+05	1.8334-03	7.1100-01
48	562.58	8.5488+01	1.5042+01	4.4394-02	1.5042+01	4.4394-02	9.3553-03	4.6858-01	8.2863+05	1.1451-02	1.0880+00
49	648.16	1.5105+02	2.8056+01	8.8197-02	2.8056+01	8.8197-02	1.8586-02	9.3091-01	1.6462+06	2.2847-02	1.3070+00
50	576.94	8.9658+01	1.6100+01	4.8007-02	1.6100+01	4.8007-02	1.0117-02	5.0671-01	8.9606+05	1.2392-02	1.6410+00
51	516.01	4.6019+01	8.0348+00	2.2951-02	8.0348+00	2.2951-02	4.8366-03	2.4225-01	4.2839+05	5.9072-03	1.7720+00
52	480.18	3.5891+00	6.1236-01	1.7071-03	6.1236-01	1.7071-03	3.5974-04	1.8018-02	3.1863+04	4.3865-04	2.4660+00
53	452.11	5.4223+00	8.8399-01	2.4188-03	8.8399-01	2.4188-03	5.0973-04	2.5531-02	4.5148+04	6.2075-04	3.0090+00
54	443.34	6.1252+00	9.8065-01	2.6680-03	9.8065-01	2.6680-03	5.6223-04	2.8160-02	4.9798+04	6.8441-04	3.3930+00
55	444.37	5.7221+00	9.0005-01	2.4503-03	9.0005-01	2.4503-03	5.1637-04	2.5863-02	4.5736+04	6.2861-04	3.7770+00
56	455.68	4.4634+00	6.8781-01	1.8865-03	6.8781-01	1.8865-03	3.9754-04	1.9911-02	3.5211+04	4.8420-04	4.1100-01
57	470.28	1.6156+01	2.6184+00	7.2513-03	2.6184+00	7.2513-03	1.5281-03	7.6537-02	1.3535+05	1.8624-03	7.1100-01
58	557.52	8.6802+01	1.5228+01	4.4779-02	1.5228+01	4.4779-02	9.4365-03	4.7264-01	8.3582+05	1.1548-02	1.0880+00
59	657.37	1.4563+02	2.7101+01	8.5797-02	2.7101+01	8.5797-02	1.8080-02	9.0558-01	1.6014+06	2.2236-02	1.3070+00
60	581.53	9.2267+01	1.6515+01	4.9407-02	1.6515+01	4.9407-02	1.0412-02	5.2149-01	9.2220+05	1.2756-02	1.6410+00
61	451.36	4.1735+00	6.7800-01	1.8543-03	6.7800-01	1.8543-03	3.9076-04	1.9572-02	3.4611+04	4.7586-04	3.0090+00
62	441.87	4.3584+00	6.9708-01	1.8946-03	6.9708-01	1.8946-03	3.9927-04	1.9998-02	3.5364+04	4.8600-04	3.3930+00
63	446.56	4.3901+00	6.9158-01	1.8855-03	6.9158-01	1.8855-03	3.9733-04	1.9901-02	3.5193+04	4.8375-04	3.7770+00
64	557.02	8.6706+01	1.5524+01	4.5635-02	1.5524+01	4.5635-02	9.6168-03	4.8167-01	8.5178+05	1.1768-02	1.0880+00
65	659.73	1.4690+02	2.7859+01	8.8358-02	2.7859+01	8.8358-02	1.8620-02	9.3261-01	1.6492+06	2.2902-02	1.3070+00
66	579.81	9.2498+01	1.6785+01	5.0153-02	1.6785+01	5.0153-02	1.0569-02	5.2936-01	9.3612+05	1.2948-02	1.6410+00
69	454.77	5.9236+00	9.9362-01	2.7236-03	9.9362-01	2.7236-03	5.7395-04	2.8747-02	5.0836+04	6.9904-04	4.1100-01
70	464.28	1.5260+01	2.5762+00	7.1060-03	2.5762+00	7.1060-03	1.4975-03	7.5003-02	1.3263+05	1.8246-03	7.1100-01
71	665.62	1.4460+02	2.7427+01	8.7384-02	2.7427+01	8.7384-02	1.8415-02	9.2233-01	1.6310+06	2.2656-02	1.3070+00
72	582.90	9.1683+01	1.6667+01	4.9912-02	1.6667+01	4.9912-02	1.0518-02	5.2682-01	9.3162+05	1.2887-02	1.6410+00
73	460.57	4.1865+00	6.7820-01	1.8661-03	6.7820-01	1.8661-03	3.9326-04	1.9697-02	3.4832+04	4.7909-04	3.7770+00
74	481.51	6.1491+00	1.0255+00	2.8614-03	1.0255+00	2.8614-03	6.0299-04	3.0202-02	5.3408+04	7.3529-04	5.3230+00
77	451.30	3.8364+00	6.3634-01	1.7403-03	6.3634-01	1.7403-03	3.6674-04	1.8369-02	3.2483+04	4.4660-04	3.0090+00
78	446.60	4.5813+00	7.4853-01	2.0408-03	7.4853-01	2.0408-03	4.3007-04	2.1540-02	3.8092+04	5.2360-04	3.3930+00
79	449.88	4.3823+00	7.0478-01	1.9257-03	7.0478-01	1.9257-03	4.0580-04	2.0325-02	3.5943+04	4.9414-04	3.7770+00
80	486.82	3.0623+00	5.2630-01	1.4738-03	5.2630-01	1.4738-03	3.1057-04	1.5556-02	2.7508+04	3.7881-04	2.4660+00
81	454.72	3.9958+00	6.6435-01	1.8210-03	6.6435-01	1.8210-03	3.8374-04	1.9220-02	3.3989+04	4.6737-04	3.0090+00
82	444.50	4.6130+00	7.5486-01	2.0552-03	7.5486-01	2.0552-03	4.3311-04	2.1693-02	3.8362+04	5.2726-04	3.3930+00
83	449.05	4.7143+00	7.6695-01	2.0944-03	7.6695-01	2.0944-03	4.4136-04	2.2106-02	3.9092+04	5.3741-04	3.7770+00
337	578.99	3.7812+01	7.5199+00	2.2456-02	7.5199+00	2.2456-02	4.7322-03	2.3702-01	4.1915+05	5.7971-03	7.1680+00
339	555.08	1.3772+01	2.7582+00	8.0967-03	2.7582+00	8.0967-03	1.7063-03	8.5460-02	1.5113+05	2.0878-03	8.1130+00
340	499.54	3.0000+00	5.6835-01	1.6053-03	5.6835-01	1.6053-03	3.3829-04	1.6944-02	2.9963+04	4.1286-04	8.6180+00
342	578.03	3.6364+01	7.4591+00	2.2259-02	7.4591+00	2.2259-02	4.6907-03	2.3494-01	4.1547+05	5.7459-03	7.1680+00
344	548.66	1.5753+01	3.1592+00	9.2321-03	3.1592+00	9.2321-03	1.9455-03	9.7444-02	1.7232+05	2.3798-03	8.1130+00
347	552.60	3.4816+01	6.8169+00	1.9976-02	6.8169+00	1.9976-02	4.2096-03	2.1085-01	3.7286+05	5.1503-03	7.1680+00
349	519.44	1.5831+01	3.1101+00	8.9051-03	3.1101+00	8.9051-03	1.8766-03	9.3992-02	1.6622+05	2.2924-03	8.1130+00
350	479.05	3.4161+00	6.0284-01	1.6793-03	6.0284-01	1.6793-03	3.5389-04	1.7725-02	3.1345+04	4.3149-04	8.6180+00
352	543.80	3.8282+01	7.2770+00	2.1192-02	7.2770+00	2.1192-02	4.4660-03	2.2368-01	3.9556+05	5.4616-03	7.1680+00
354	511.72	1.7528+01	3.4179+00	9.7345-03	3.4179+00	9.7345-03	2.0514-03	1.0275-01	1.8170+05	2.5050-03	8.1130+00
357	548.63	3.8566+01	7.3323+00	2.1426-02	7.3323+00	2.1426-02	4.5153-03	2.2615-01	3.9993+05	5.5232-03	7.1680+00
359	517.65	1.7509+01	3.2034+00	9.1607-03	3.2034+00	9.1607-03	1.9305-03	9.6690-02	1.7099+05	2.3580-03	8.1130+00
401	472.91	1.2649+01	1.0613+00	2.9443-03	1.0613+00	2.9443-03	6.2047-04	3.1077-02	5.4956+04	7.5631-04	4.5500-01
403	486.16	1.8978+01	1.5873+00	4.4429-03	1.5873+00	4.4429-03	9.3626-04	4.6894-02	8.2927+04	1.1419-03	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1334-06	-2.8443-03	-2.1334-06	-4.4958-07	-2.2518-05	-3.9820+01	-4.7144-07	8.0100-01
405	564.36	6.8424+01	6.0083+00	1.7755-02	6.0083+00	1.7755-02	3.7415-03	1.8740-01	3.3139+05	4.5802-03	1.0510+00
406	613.44	1.1542+02	1.0487+01	3.2116-02	1.0487+01	3.2116-02	6.7679-03	3.3898-01	5.9945+05	8.3048-03	1.1670+00
407	720.18	1.6774+02	1.6400+01	5.4560-02	1.6400+01	5.4560-02	1.1498-02	5.7588-01	1.0184+06	1.4187-02	1.2830+00
408	479.07	1.6723+01	1.3756+00	3.8319-03	1.3756+00	3.8319-03	8.0751-04	4.0445-02	7.1523+04	9.8458-04	5.1300-01
409	479.92	1.9116+01	1.6019+00	4.4648-03	1.6019+00	4.4648-03	9.4088-04	4.7125-02	8.3337+04	1.1472-03	5.7000-01
410	485.07	2.1368+01	1.7325+00	4.8456-03	1.7325+00	4.8456-03	1.0211-03	5.1144-02	9.0444+04	1.2454-03	6.2800-01
411	492.08	2.5765+01	2.1762+00	6.1157-03	2.1762+00	6.1157-03	1.2888-03	6.4550-02	1.1415+05	1.5723-03	6.8600-01
412	489.60	1.9406+01	1.6267+00	4.5638-03	1.6267+00	4.5638-03	9.6175-04	4.8171-02	8.5185+04	1.1732-03	7.4400-01
413	509.00	3.5475+01	3.0472+00	8.6623-03	3.0472+00	8.6623-03	1.8254-03	9.1430-02	1.6168+05	2.2288-03	8.0100-01
414	513.59	3.9597+01	3.3708+00	9.6127-03	3.3708+00	9.6127-03	2.0257-03	1.0146-01	1.7942+05	2.4739-03	8.5900-01
415	527.69	4.8245+01	4.1681+00	1.2003-02	4.1681+00	1.2003-02	2.5294-03	1.2669-01	2.2403+05	3.0910-03	9.1700-01
416	485.41	2.0810+01	1.6251+00	4.5463-03	1.6251+00	4.5463-03	9.5807-04	4.7986-02	8.4859+04	1.1685-03	5.7000-01
417	560.85	7.5742+01	6.6370+00	1.9563-02	6.6370+00	1.9563-02	4.1227-03	2.0649-01	3.6516+05	5.0459-03	1.0520+00

40 1 12.00 -.00 .00 -.00 402 1 3.15 10.18 1639.8 1875.5 [redacted]

9.07873+01 3.35886-02 2.43656+00 4.75283+03 3.10405-05 7.35377-08 1.68307-01 7.72000+00 7.67480-06 7.39709-02

1	457.52	7.0255+00	1.1806+00	3.2447-03	1.1806+00	3.2447-03	6.8358-04	3.4248-02	6.0591+04	8.3264-04	4.1100-01
2	465.20	1.4588+01	2.4643+00	6.8070-03	2.4643+00	6.8070-03	1.4341-03	7.1848-02	1.2711+05	1.7474-03	7.1100-01
3	734.96	1.4146+02	2.7860+01	9.3905-02	2.7860+01	9.3905-02	1.9784-02	9.9116-01	1.7536+06	2.4428-02	1.3070+00
4	634.92	9.6499+01	1.8060+01	5.6258-02	1.8060+01	5.6258-02	1.1852-02	5.9380-01	1.0505+06	1.4558-02	1.6410+00
5	536.25	4.4738+01	9.2861+00	2.4007-02	8.2861+00	2.4007-02	5.0576-03	2.5339-01	4.4830+05	6.1827-03	1.7720+00
6	485.95	3.2421+00	5.4713-01	1.5325-03	5.4713-01	1.5325-03	3.2285-04	1.6175-02	2.8617+04	3.9375-04	2.4660+00
7	460.12	4.1190+00	6.8125-01	1.8755-03	6.8125-01	1.8755-03	3.9512-04	1.9795-02	3.5022+04	4.8132-04	3.0090+00
8	451.54	4.4545+00	7.2593-01	1.9872-03	7.2593-01	1.9872-03	4.1866-04	2.0975-02	3.7109+04	5.0981-04	3.3930+00
9	449.14	4.6088+00	7.4984-01	2.0494-03	7.4984-01	2.0494-03	4.3176-04	2.1631-02	3.8270+04	5.2571-04	3.7770+00
10	476.90	6.9148+00	1.1497+00	3.2006-03	1.1497+00	3.2006-03	6.7430-04	3.3782-02	5.9768+04	8.2204-04	5.3230+00
14	552.56	6.3495+01	1.1338+01	3.3252-02	1.1338+01	3.3252-02	7.0054-03	3.5097-01	6.2094+05	8.5703-03	1.0880+00
15	728.18	1.4313+02	2.8097+01	9.4179-02	2.8097+01	9.4179-02	1.9841-02	9.9405-01	1.7587+06	2.4490-02	1.3070+00
16	616.98	9.2158+01	1.7079+01	5.2491-02	1.7079+01	5.2491-02	1.1059-02	5.5404-01	9.8021+05	1.3571-02	1.6410+00
19	462.07	5.4561+00	8.3636-01	2.3055-03	8.3636-01	2.3055-03	4.8571-04	2.4334-02	4.3052+04	5.9173-04	4.1100-01
20	475.69	1.4795+01	2.3991+00	6.6735-03	2.3991+00	6.6735-03	1.4059-03	7.0438-02	1.2462+05	1.7139-03	7.1100-01
21	575.89	7.5050+01	1.3151+01	3.9218-02	1.3151+01	3.9218-02	8.2622-03	4.1394-01	7.3234+05	1.0119-02	1.0880+00
22	720.95	1.4170+02	2.6989+01	8.9932-02	2.6989+01	8.9932-02	1.8946-02	9.4922-01	1.6794+06	2.3376-02	1.3070+00
23	816.35	9.2987-02	1.8227-02	6.5851-05	1.8227-02	6.5851-05	1.3873-05	6.9505-04	1.2297+03	1.7209-05	1.6410+00
24	467.38	4.3595+00	7.1809-01	1.9865-03	7.1809-01	1.9865-03	4.1850-04	2.0967-02	3.7095+04	5.0998-04	3.0090+00
25	460.18	4.2795+00	6.8465-01	1.8849-03	6.8465-01	1.8849-03	3.9711-04	1.9895-02	3.5199+04	4.8375-04	3.3930+00
26	456.63	4.3995+00	7.0648-01	1.9405-03	7.0648-01	1.9405-03	4.0881-04	2.0481-02	3.6236+04	4.9793-04	3.7770+00
27	474.84	1.4541+01	2.3566+00	6.5515-03	2.3566+00	6.5515-03	1.3802-03	6.9151-02	1.2234+05	1.6825-03	7.1100-01
28	583.56	7.9535+01	1.3999+01	4.1978-02	1.3999+01	4.1978-02	8.8438-03	4.4307-01	7.8389+05	1.0835-02	1.0880+00
29	739.03	1.3895+02	2.6937+01	9.1097-02	2.6937+01	9.1097-02	1.9192-02	9.6152-01	1.7011+06	2.3703-02	1.3070+00
30	613.30	8.8713+01	1.6167+01	4.9552-02	1.6167+01	4.9552-02	1.0439-02	5.2302-01	9.2532+05	1.2809-02	1.6410+00
31	531.99	4.5989+01	8.1098+00	2.3443-02	8.1098+00	2.3443-02	4.9389-03	2.4744-01	4.3777+05	6.0364-03	1.7720+00
32	485.20	3.4842+00	5.8770-01	1.6452-03	5.8770-01	1.6452-03	3.4661-04	1.7365-02	3.0723+04	4.2272-04	2.4660+00
33	463.69	6.0125+00	1.0028+00	2.7671-03	1.0028+00	2.7671-03	5.8296-04	2.9207-02	5.1672+04	7.1027-04	3.0090+00
34	455.40	6.4961+00	1.0614+00	2.9130-03	1.0614+00	2.9130-03	6.1369-04	3.0746-02	5.4396+04	7.4743-04	3.3930+00
35	452.57	5.4083+00	8.4490-01	2.3144-03	8.4490-01	2.3144-03	4.8759-04	2.4429-02	4.3219+04	5.9378-04	3.7770+00
36	755.72	1.4058+02	2.7141+01	9.3071-02	2.7141+01	9.3071-02	1.9608-02	9.8235-01	1.7380+06	2.4238-02	1.3070+00
37	495.48	8.9574+00	1.5391+00	4.3387-03	1.5391+00	4.3387-03	9.1406-04	4.5795-02	8.1020+04	1.1153-03	2.4660+00
38	461.81	7.3532+00	1.2067+00	3.3258-03	1.2067+00	3.3258-03	7.0066-04	3.5103-02	6.2105+04	8.5360-04	3.0090+00
39	449.46	6.0119+00	9.7246-01	2.6584-03	9.7246-01	2.6584-03	5.6006-04	2.8059-02	4.9643+04	6.8194-04	3.3930+00
40	450.66	6.3688+00	1.0217+00	2.7952-03	1.0217+00	2.7952-03	5.8888-04	2.9503-02	5.2197+04	7.1707-04	3.7770+00
41	457.62	7.0239+00	1.1080+00	3.0452-03	1.1080+00	3.0452-03	6.4155-04	3.2142-02	5.6865+04	7.8144-04	4.1620+00
43	476.14	7.7522+00	1.3037+00	3.6275-03	1.3037+00	3.6275-03	7.6424-04	3.8288-02	6.7740+04	9.3165-04	5.3230+00
47	477.99	1.5746+01	2.5808+00	7.1898-03	2.5808+00	7.1898-03	1.5147-03	7.5888-02	1.3426+05	1.8467-03	7.1100-01
48	604.33	8.1464+01	1.4684+01	4.4709-02	1.4684+01	4.4709-02	9.4191-03	4.7190-01	8.3488+05	1.1552-02	1.0880+00
49	720.45	1.3775+02	2.6545+01	8.8416-02	2.6545+01	8.8416-02	1.8627-02	9.3322-01	1.6511+06	2.2982-02	1.3070+00
50	620.59	8.5171+01	1.5677+01	4.8312-02	1.5677+01	4.8312-02	1.0178-02	5.0993-01	9.0216+05	1.2493-02	1.6410+00
51	539.10	4.6082+01	8.1617+00	2.3711-02	8.1617+00	2.3711-02	4.9953-03	2.5027-01	4.4277+05	6.1073-03	1.7720+00
52	481.98	3.7221+00	6.3580-01	1.7761-03	6.3580-01	1.7761-03	3.7417-04	1.8746-02	3.3166+04	4.5626-04	2.4660+00
53	454.89	5.8582+00	9.5685-01	2.6251-03	9.5685-01	2.6251-03	5.5305-04	2.7708-02	4.9021+04	6.7396-04	3.0090+00
54	446.40	6.0494+00	9.7055-01	2.6479-03	9.7055-01	2.6479-03	5.5784-04	2.7948-02	4.9446+04	6.7914-04	3.3930+00
55	447.19	5.6229+00	8.8616-01	2.4189-03	8.8616-01	2.4189-03	5.0961-04	2.5531-02	4.5170+04	6.2044-04	3.7770+00
56	457.93	4.5694+00	7.0521-01	1.9386-03	7.0521-01	1.9386-03	4.0842-04	2.0462-02	3.6202+04	4.9749-04	4.1100-01
57	478.30	1.6128+01	2.6278+00	7.3224-03	2.6278+00	7.3224-03	1.5427-03	7.7267-02	1.3674+05	1.8808-03	7.1100-01
58	600.00	8.3156+01	1.4953+01	4.5381-02	1.4953+01	4.5381-02	9.5606-03	4.7899-01	8.4743+05	1.1723-02	1.0880+00
59	727.16	1.3328+02	2.5691+01	8.6041-02	2.5691+01	8.6041-02	1.8127-02	9.0815-01	1.6067+06	2.2373-02	1.3070+00
60	626.49	8.7616+01	1.6084+01	4.9785-02	1.6084+01	4.9785-02	1.0489-02	5.2548-01	9.2968+05	1.2878-02	1.6410+00
61	453.36	4.3055+00	7.0040-01	1.9196-03	7.0040-01	1.9196-03	4.0441-04	2.0261-02	3.5846+04	4.9250-04	3.0090+00
62	444.03	4.3943+00	7.0387-01	1.9173-03	7.0387-01	1.9173-03	4.0394-04	2.0237-02	3.5804+04	4.9172-04	3.3930+00
63	448.74	4.3875+00	6.9221-01	1.8914-03	6.9221-01	1.8914-03	3.9847-04	1.9964-02	3.5320+04	4.8517-04	3.7770+00
64	599.46	8.3874+01	1.5392+01	4.6697-02	1.5392+01	4.6697-02	9.8379-03	4.9288-01	8.7201+05	1.2063-02	1.0880+00
65	730.09	1.3401+02	2.6331+01	8.8395-02	2.6331+01	8.8395-02	1.8623-02	9.3300-01	1.6507+06	2.2988-02	1.3070+00
66	624.97	8.8163+01	1.6411+01	5.0739-02	1.6411+01	5.0739-02	1.0689-02	5.3555-01	9.4749+05	1.3124-02	1.6410+00
69	457.74	5.8504+00	9.8331-01	2.7028-03	9.8331-01	2.7028-03	5.6941-04	2.8528-02	5.0471+04	6.9357-04	4.1100-01
70	471.95	1.5449+01	2.6216+00	7.2742-03	2.6216+00	7.2742-03	1.5325-03	7.6778-02	1.3584+05	1.8679-03	7.1100-01
71	734.87	1.3164+02	2.5849+01	8.7118-02	2.5849+01	8.7118-02	1.8354-02	9.1952-01	1.6268+06	2.2662-02	1.3070+00
72	627.73	8.7563+01	1.6324+01	5.0574-02	1.6324+01	5.0574-02	1.0655-02	5.3381-01	9.4441+05	1.3083-02	1.6410+00
73	462.68	4.3283+00	7.0217-01	1.9364-03	7.0217-01	1.9364-03	4.0794-04	2.0438-02	3.6159+04	4.9701-04	3.7770+00
74	484.60	6.2000+00	1.0361+00	2.8993-03	1.0361+00	2.8993-03	6.1081-04	3.0602-02	5.4141+04	7.4491-04	5.3230+00
77	453.11	3.9216+00	6.5128-01	1.7847-03	6.5128-01	1.7847-03	3.7599-04	1.8837-02	3.3327+04	4.5788-04	3.0090+00
78	448.88	4.5652+00	7.4707-01	2.0415-03	7.4707-01	2.0415-03	4.3009-04	2.1548-02	3.8122+04	5.2367-04	3.3930+00
79	451.98	4.0951+00	6.5953-01	1.8060-03	6.5953-01	1.8060-03	3.8047-04	1.9062-02	3.3724+04	4.6331-04	3.7770+00
80	488.41	3.1330+00	5.3900-01	1.5122-03	5.3900-01	1.5122-03	3.1858-04	1.5961-02	2.8238+04	3.8859-04	2.4660+00
81	456.72	4.0358+00	6.7191-01	1.8456-03	6.7191-01	1.8456-03	3.8883-04	1.9480-02	3.4465+04	4.7359-04	3.0090+00
82	446.86	4.8031+00	7.8725-01	2.1484-03	7.8725-01	2.1484-03	4.5263-04	2.2677-02	4.0119+04	5.5106-04	3.3930+00
83	451.35	4.3808+00	7.1382-01	1.9538-03	7.1382-01	1.9538-03	4.1162-04	2.0622-02	3.6485+04	5.0123-04	3.7770+00
337	597.74	3.7167+01	7.4716+00	2.2638-02	7.4716+00	2.2638-02	4.7693-03	2.3895-01	4.2274+05	5.8475-03	7.1680+00
339	562.03	1.3900+01	2.7954+00	8.2539-03	2.7954+00	8.2539-03	1.7389-03	8.7119-02	1.5413+05	2.1283-03	8.1130+00
340	501.07	3.0649+00	5.8123-01	1.6447-03	5.8123-01	1.6447-03	3.4650-04	1.7360-02	3.0713+04	4.2289-04	8.6180+00
342	596.03	3.5717+01	7.4028+00	2.2402-02	7.4028+00	2.2402-02	4.7195-03	2.3645-01	4.1833+05	5.7859-03	7.1680+00
344	556.54	1.5662+01	3.1558+00	9.2816-03	3.1558+00	9.2816-03	1.9554-03	9.7967-02	1.7332+05	2.3927-03	8.1130+00
347	569.92	3.4477+01	6.8205+00	2.0253-02	6.8205+00	2.0253-02	4.2667-03	2.1377-01	3.7819+05	5.2242-03	7.1680+00
349	527.34	1.5811+01	3.1217+00	8.9948-03	3.1217+00	8.9948-03	1.8950-03	9.4939-02	1.6797+05	2.3156-03	8.1130+00
350	480.74	3.4405+00	6.0783-01	1.6965-03	6.0783-01	1.6965-03	3.5741-04	1.7906-02	3.1680+04	4.3580-04	8.6180+00
352	562.82	3.7703+01	7.2491+00	2.1416-02	7.2491+00	2.1416-02	4.5119-03	2.2605-01	3.9992+05	5.5225-03	7.1680+00
354	520.41	1.7304+01	3.3929+00	9.7293-03	3.3929+00	9.7293-03	2.0497-03	1.0269-01	1.8168+05	2.5038-03	8.1130+00
357	567.76	3.7931+01	7.2944+00	2.1626-02	7.2944+00	2.1626-02	4.5561-03	2.2826-01	4.0384+05	5.5780-03	7.1680+00
359	526.35	1.7370+01	3.1953+00	9.2006-03	3.1953+00	9.2006-03	1.9383-03	9.7112-02	1.7181+05	2.3684-03	8.1130+00
401	479.19	1.2462+01	1.0500+00	2.9275-03	1.0500+00	2.9275-03	6.1676-04	3.0900-02	5.4668+04	7.5197-04	4.5500-01
403	495.71	1.9061+01	1.6042+00	4.5229-03	1.6042+00	4.5229-03	9.5286-04	4.7738-02	8.4459+04	1.1626-03	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.2743-06	-5.6973-03	-4.2743-06	-9.0048-07	-4.5114-05	-7.9816+01	-9.4443-07	8.0100-01
405	598.14	6.6819+01	5.9833+00	1.8134-02	5.9833+00	1.8134-02	3.8205-03	1.9141-01	3.3864+05	4.6842-03	1.0510+00
406	669.70	1.0873+02	1.0183+01	3.2576-02	1.0183+01	3.2576-02	6.8630-03	3.4384-01	6.0832+05	8.4449-03	1.1670+00
407	798.33	1.4669+02	1.4872+01	5.2888-02	1.4872+01	5.2888-02	1.1142-02	5.5823-01	9.8762+05	1.3807-02	1.2830+00
408	487.46	1.6756+01	1.3859+00	3.8856-03	1.3859+00	3.8856-03	8.1860-04	4.1012-02	7.2559+04	9.9844-04	5.1300-01
409	489.44	1.9026+01	1.6043+00	4.5042-03	1.6043+00	4.5042-03	9.4893-04	4.7542-02	8.4111+04	1.1575-03	5.7000-01
410	495.63	2.1010+01	1.7152+00	4.8357-03	1.7152+00	4.8357-03	1.0188-03	5.1041-02	9.0301+04	1.2431-03	6.2800-01
411	504.88	2.5501+01	2.1718+00	6.1615-03	2.1718+00	6.1615-03	1.2981-03	6.5034-02	1.1506+05	1.5845-03	6.8600-01
412	499.25	1.8690+01	1.5765+00	4.4557-03	1.5765+00	4.4557-03	9.3871-04	4.7030-02	8.3205+04	1.1456-03	7.4400-01
413	526.74	3.5395+01	3.0744+00	8.8547-03	3.0744+00	8.8547-03	1.8655-03	9.3461-02	1.6535+05	2.2794-03	8.0100-01
414	533.40	3.9482+01	3.4027+00	9.8461-03	3.4027+00	9.8461-03	2.0743-03	1.0392-01	1.8386+05	2.5354-03	8.5900-01
415	551.81	4.8169+01	4.2233+00	1.2380-02	4.2233+00	1.2380-02	2.6081-03	1.3067-01	2.3118+05	3.1906-03	9.1700-01
416	495.79	2.0508+01	1.6123+00	4.5462-03	1.6123+00	4.5462-03	9.5777-04	4.7984-02	8.4894+04	1.1686-03	5.7000-01
417	599.10	7.6115+01	6.8194+00	2.0683-02	6.8194+00	2.0683-02	4.3574-03	2.1831-01	3.8623+05	5.3428-03	1.0520+00

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37 1 6.98 -5.02 .00 -.00 402 1 1.90 10.18 1642.0 1862.6

9.01069+01 3.36805-02 2.44326+00 4.73502+03 3.13605-05 7.29866-08 1.70684-01 7.72000+00 7.61016-06 7.40401-02

1	456.51	2.1577+01	3.6235+00	1.0053-02	3.6235+00	1.0053-02	2.1041-03	1.0630-01	1.8932+05	2.5769-03	4.1100-01
2	482.24	8.2129+01	1.4031+01	3.9608-02	1.4031+01	3.9608-02	8.2903-03	4.1881-01	7.4591+05	1.0165-02	7.1100-01
3	483.27	7.8260+01	1.3360+01	3.7794-02	1.3380+01	3.7794-02	7.9107-03	3.9963-01	7.1175+05	9.6999-03	1.3070+00
4	504.22	1.0420+02	1.8058+01	5.1746-02	1.8058+01	5.1746-02	1.0831-02	5.4716-01	9.7450+05	1.3293-02	1.6410+00
5	487.91	6.9011+01	1.2388+01	3.5103-02	1.2388+01	3.5103-02	7.3475-03	3.7118-01	6.6108+05	9.0112-03	1.7720+00
6	463.41	4.3538+00	7.2383-01	2.0174-03	7.2383-01	2.0174-03	4.2227-04	2.1332-02	3.7993+04	5.1732-04	2.4660+00
7	437.39	3.0068+00	4.8960-01	1.3412-03	4.8960-01	1.3412-03	2.8073-04	1.4182-02	2.5258+04	3.4352-04	3.0090+00
8	427.12	2.7070+00	4.3372-01	1.1802-03	4.3372-01	1.1802-03	2.4702-04	1.2479-02	2.2225+04	3.0214-04	3.3930+00
9	427.87	2.7668+00	4.4353-01	1.2075-03	4.4353-01	1.2075-03	2.5273-04	1.2768-02	2.2739+04	3.0913-04	3.7770+00
10	458.79	3.9117+00	6.4254-01	1.7853-03	6.4254-01	1.7853-03	3.7369-04	1.8878-02	3.3622+04	4.5770-04	5.3230+00
14	466.93	6.2023+01	1.0489+01	2.9305-02	1.0489+01	2.9305-02	6.1338-03	3.0987-01	5.5188+05	7.5156-03	1.0880+00
15	483.53	9.1675+01	1.5676+01	4.4288-02	1.5676+01	4.4288-02	9.2700-03	4.6830-01	8.3405+05	1.1367-02	1.3070+00
16	505.10	1.1815+02	2.0486+01	5.8740-02	2.0486+01	5.8740-02	1.2295-02	6.2111-01	1.1062+06	1.5091-02	1.6410+00
19	466.76	2.1478+01	3.3027+00	9.2259-03	3.3027+00	9.2259-03	1.9311-03	9.7554-02	1.7374+05	2.3661-03	4.1100-01
20	459.29	2.7657+01	4.4357+00	1.2329-02	4.4357+00	1.2329-02	2.5806-03	1.3036-01	2.3218+05	3.1608-03	7.1100-01
21	470.46	7.2826+01	1.1948+01	3.3460-02	1.1948+01	3.3460-02	7.0035-03	3.5380-01	6.3013+05	8.5826-03	1.0880+00
22	475.67	8.9823+01	1.4878+01	4.1810-02	1.4878+01	4.1810-02	8.7512-03	4.4209-01	7.8737+05	1.0727-02	1.3070+00
23	780.11	-8.3117-03	-1.6033-03	-5.6854-06	-1.6033-03	-5.6854-06	-1.1900-06	-6.0117-05	-1.0707+02	-1.4811-06	1.6410+00
24	455.99	5.2899+00	8.6467-01	2.3981-03	8.6467-01	2.3981-03	5.0194-04	2.5357-02	4.5161+04	6.1471-04	3.0090+00
25	449.03	4.8587+00	7.7144-01	2.1296-03	7.7144-01	2.1296-03	4.4575-04	2.2518-02	4.0106+04	5.4573-04	3.3930+00
26	445.44	4.8525+00	7.7328-01	2.1296-03	7.7328-01	2.1296-03	4.4575-04	2.2518-02	4.0106+04	5.4565-04	3.7770+00
27	479.76	6.3819+01	1.0376+01	2.9241-02	1.0376+01	2.9241-02	6.1204-03	3.0919-01	5.5067+05	7.5035-03	7.1100-01
28	473.04	7.5474+01	1.2404+01	3.4797-02	1.2404+01	3.4797-02	7.2834-03	3.6794-01	6.5531+05	8.9266-03	1.0880+00
29	480.02	8.1934+01	1.3733+01	3.8706-02	1.3733+01	3.8706-02	8.1015-03	4.0927-01	7.2892+05	9.9324-03	1.3070+00
30	495.45	1.1446+02	1.9435+01	5.5358-02	1.9435+01	5.5358-02	1.1587-02	5.8535-01	1.0425+06	1.4216-02	1.6410+00
31	472.21	5.5569+01	9.4311+00	2.6442-02	9.4311+00	2.6442-02	5.5345-03	2.7959-01	4.9796+05	6.7829-03	1.7720+00
32	471.26	8.0426+00	1.3442+00	3.7662-03	1.3442+00	3.7662-03	7.8830-04	3.9824-02	7.0926+04	9.6608-04	2.4660+00
33	451.84	4.9932+00	8.2610-01	2.2848-03	8.2610-01	2.2848-03	4.7823-04	2.4159-02	4.3028+04	5.8556-04	3.0090+00
34	442.80	4.6468+00	7.5271-01	2.0694-03	7.5271-01	2.0694-03	4.3314-04	2.1881-02	3.8971+04	5.3015-04	3.3930+00
35	440.77	4.6203+00	7.1595-01	1.9656-03	7.1595-01	1.9656-03	4.1143-04	2.0785-02	3.7018+04	5.0353-04	3.7770+00
36	483.59	8.3125+01	1.3799+01	3.8986-02	1.3799+01	3.8986-02	8.1603-03	4.1224-01	7.3421+05	1.0006-02	1.3070+00
37	473.50	8.9023+00	1.5078+00	4.2310-03	1.5078+00	4.2310-03	8.8559-04	4.4738-02	7.9679+04	1.0854-03	2.4660+00
38	449.79	5.1345+00	8.3574-01	2.3083-03	8.3574-01	2.3083-03	4.8315-04	2.4408-02	4.3470+04	5.9154-04	3.0090+00
39	438.61	4.0992+00	6.5812-01	1.8043-03	6.5812-01	1.8043-03	3.7766-04	1.9079-02	3.3979+04	4.6216-04	3.3930+00
40	438.15	3.3439+00	5.3182-01	1.4576-03	5.3182-01	1.4576-03	3.0509-04	1.5413-02	2.7450+04	3.7334-04	3.7770+00
41	446.09	3.2494+00	5.0854-01	1.4011-03	5.0854-01	1.4011-03	2.9327-04	1.4815-02	2.6386+04	3.5900-04	4.1620+00
43	462.65	4.5366+00	7.5609-01	2.1063-03	7.5609-01	2.1063-03	4.4086-04	2.2271-02	3.9666+04	5.4007-04	5.3230+00
47	481.41	5.3373+01	8.7673+00	2.4734-02	8.7673+00	2.4734-02	5.1771-03	2.6154-01	4.6580+05	6.3475-03	7.1100-01
48	485.00	7.0501+01	1.1820+01	3.3427-02	1.1820+01	3.3427-02	6.9967-03	3.5346-01	6.2952+05	8.5799-03	1.0880+00
49	487.35	1.0381+02	1.7536+01	4.9672-02	1.7536+01	4.9672-02	1.0397-02	5.2522-01	9.3543+05	1.2751-02	1.3070+00
50	518.50	1.2216+02	2.1175+01	6.1283-02	2.1175+01	6.1283-02	1.2827-02	6.4800-01	1.1541+06	1.5754-02	1.6410+00
51	485.03	5.5352+01	9.4741+00	2.6794-02	9.4741+00	2.6794-02	5.6083-03	2.8332-01	5.0460+05	6.8773-03	1.7720+00
52	472.28	5.0192+00	8.5189-01	2.3885-03	8.5189-01	2.3885-03	4.9995-04	2.5256-02	4.4982+04	6.1272-04	2.4660+00
53	446.11	5.5600+00	9.0270-01	2.4872-03	9.0270-01	2.4872-03	5.2059-04	2.6299-02	4.6839+04	6.3727-04	3.0090+00
54	436.95	4.2956+00	6.8468-01	1.8751-03	6.8468-01	1.8751-03	3.9248-04	1.9827-02	3.5312+04	4.8025-04	3.3930+00
55	437.95	3.3392+00	5.2290-01	1.4330-03	5.2290-01	1.4330-03	2.9994-04	1.5152-02	2.6986+04	3.6703-04	3.7770+00
56	457.83	5.0816+00	7.8421-01	2.1776-03	7.8421-01	2.1776-03	4.5579-04	2.3025-02	4.1009+04	5.5824-04	4.1100-01
57	470.53	3.5198+01	5.7053+00	1.5978-02	5.7053+00	1.5978-02	3.3443-03	1.6895-01	3.0090+05	4.0984-03	7.1100-01
58	465.70	4.4442+01	7.3562+00	2.0534-02	7.3562+00	2.0534-02	4.2980-03	2.1713-01	3.8671+05	5.2660-03	1.0880+00
59	480.88	7.7085+01	1.2927+01	3.6457-02	1.2927+01	3.6457-02	7.6308-03	3.8549-01	6.8657+05	9.3557-03	1.3070+00
60	523.80	1.2727+02	2.2004+01	6.3918-02	2.2004+01	6.3918-02	1.3379-02	6.7587-01	1.2037+06	1.6435-02	1.6410+00
61	445.19	4.1943+00	6.7850-01	1.8683-03	6.7850-01	1.8683-03	3.9105-04	1.9755-02	3.5184+04	4.7868-04	3.0090+00
62	436.41	4.0416+00	6.4395-01	1.7629-03	6.4395-01	1.7629-03	3.6900-04	1.8641-02	3.3200+04	4.5151-04	3.3930+00
63	441.66	3.7969+00	5.9610-01	1.6376-03	5.9610-01	1.6376-03	3.4276-04	1.7316-02	3.0839+04	4.1951-04	3.7770+00
64	446.78	1.4006+01	2.3365+00	6.4404-03	2.3365+00	6.4404-03	1.3480-03	6.8100-02	1.2129+05	1.6502-03	1.0880+00
65	448.62	2.1959+01	3.6680+00	1.0123-02	3.6680+00	1.0123-02	2.1188-03	1.0704-01	1.9064+05	2.5940-03	1.3070+00
66	483.94	6.6251+01	1.1332+01	3.2023-02	1.1332+01	3.2023-02	6.7028-03	3.3861-01	6.0308+05	8.2191-03	1.6410+00
69	459.35	1.1781+01	1.9822+00	5.5098-03	1.9822+00	5.5098-03	1.1533-03	5.8260-02	1.0376+05	1.4126-03	4.1100-01
70	446.51	4.6312+00	7.7244-01	2.1288-03	7.7244-01	2.1288-03	4.4558-04	2.2510-02	4.0091+04	5.4547-04	7.1100-01
71	445.53	7.9906+00	1.3280+00	3.6575-03	1.3280+00	3.6575-03	7.6555-04	3.8674-02	6.8879+04	9.3712-04	1.3070+00
72	457.89	1.3300+01	2.2357+00	6.2082-03	2.2357+00	6.2082-03	1.2994-03	6.5645-02	1.1692+05	1.5915-03	1.6410+00
73	454.20	5.9730+00	9.6343-01	2.6688-03	9.6343-01	2.6688-03	5.5860-04	2.8219-02	5.0259+04	6.8405-04	3.7770+00
74	471.19	4.6021+00	7.6227-01	2.1357-03	7.6227-01	2.1357-03	4.4702-04	2.2583-02	4.0220+04	5.4783-04	5.3230+00
77	428.62	3.8322+00	6.2573-01	1.7043-03	6.2573-01	1.7043-03	3.5673-04	1.8021-02	3.2096+04	4.3635-04	3.0090+00
78	426.27	3.4530+00	5.5623-01	1.5127-03	5.5623-01	1.5127-03	3.1662-04	1.5995-02	2.8488+04	3.8725-04	3.3930+00
79	434.56	3.4551+00	5.4979-01	1.5033-03	5.4979-01	1.5033-03	3.1466-04	1.5896-02	2.8311+04	3.8499-04	3.7770+00
80	463.59	4.7936+00	8.1128-01	2.2614-03	8.1128-01	2.2614-03	4.7334-04	2.3912-02	4.2588+04	5.7988-04	2.4660+00
81	431.39	3.1979+00	5.2318-01	1.4276-03	5.2318-01	1.4276-03	2.9881-04	1.5095-02	2.6885+04	3.6554-04	3.0090+00
82	424.25	2.6784+00	4.3213-01	1.1737-03	4.3213-01	1.1737-03	2.4566-04	1.2410-02	2.2103+04	3.0043-04	3.3930+00
83	429.27	2.7143+00	4.3555-01	1.1868-03	4.3555-01	1.1868-03	2.4841-04	1.2549-02	2.2351+04	3.0387-04	3.7770+00
337	525.63	4.6212+01	8.9005+00	2.5888-02	8.9005+00	2.5888-02	5.4186-03	2.7374-01	4.8753+05	6.6571-03	7.1680+00
339	497.26	1.6369+01	3.1626+00	9.0194-03	3.1626+00	9.0194-03	1.8879-03	9.5371-02	1.6986+05	2.3163-03	8.1130+00
340	471.58	3.3153+00	6.1671-01	1.7283-03	6.1671-01	1.7283-03	3.6176-04	1.8275-02	3.2548+04	4.4334-04	8.6180+00
342	522.73	4.0338+01	8.0033+00	2.3231-02	8.0033+00	2.3231-02	4.8625-03	2.4564-01	4.3750+05	5.9731-03	7.1680+00
344	499.88	1.8473+01	3.5938+00	1.0268-02	3.5938+00	1.0268-02	2.1491-03	1.0857-01	1.9336+05	2.6372-03	8.1130+00
347	511.77	3.0064+01	5.7403+00	1.6536-02	5.7403+00	1.6536-02	3.4611-03	1.7485-01	3.1140+05	4.2494-03	7.1680+00
349	495.45	1.7722+01	3.4290+00	9.7669-03	3.4290+00	9.7669-03	2.0443-03	1.0328-01	1.8393+05	2.5081-03	8.1130+00
350	472.32	3.7060+00	6.5109-01	1.8256-03	6.5109-01	1.8256-03	3.8211-04	1.9304-02	3.4380+04	4.6831-04	8.6180+00
352	515.67	2.8135+01	5.2559+00	1.5181-02	5.2559+00	1.5181-02	3.1776-03	1.6053-01	2.8590+05	3.9021-03	7.1680+00
354	503.43	1.9392+01	3.7615+00	1.0773-02	3.7615+00	1.0773-02	2.2549-03	1.1391-01	2.0288+05	2.7675-03	8.1130+00
357	512.37	2.0110+01	3.7386+00	1.0774-02	3.7386+00	1.0774-02	2.2551-03	1.1392-01	2.0290+05	2.7688-03	7.1680+00
359	504.99	1.4424+01	2.6179+00	7.5057-03	2.6179+00	7.5057-03	1.5710-03	7.9365-02	1.4135+05	1.9282-03	8.1130+00
401	484.35	4.0449+01	3.4196+00	9.6666-03	3.4196+00	9.6666-03	2.0233-03	1.0221-01	1.8205+05	2.4811-03	4.5500-01
403	508.59	7.1174+01	6.0396+00	1.7359-02	6.0396+00	1.7359-02	3.6335-03	1.8356-01	3.2692+05	4.4605-03	6.8600-01
404	335.12	-1.7690+01	-1.3344+00	-3.4258-03	-1.3344+00	-3.4258-03	-7.1705-04	-3.6224-02	-6.4515+04	-8.7359-04	8.0100-01
405	545.64	1.2359+02	1.0732+01	3.1659-02	1.0732+01	3.1659-02	6.6265-03	3.3476-01	5.9621+05	8.1486-03	1.0510+00
406	535.69	1.3657+02	1.1858+01	3.4734-02	1.1858+01	3.4734-02	7.2703-03	3.6728-01	6.5413+05	8.9361-03	1.1670+00
407	556.28	1.5857+02	1.4189+01	4.2178-02	1.4189+01	4.2178-02	8.8284-03	4.4599-01	7.9432+05	1.0862-02	1.2830+00
408	506.75	7.7979+01	6.5303+00	1.8746-02	6.5303+00	1.8746-02	3.9237-03	1.9822-01	3.5303+05	4.8163-03	5.1300-01
409	466.77	2.2221+01	1.8458+00	5.1562-03	1.8458+00	5.1562-03	1.0792-03	5.4521-02	9.7104+04	1.3224-03	5.7000-01
410	495.02	5.5681+01	4.5438+00	1.2938-02	4.5438+00	1.2938-02	2.7082-03	1.3681-01	2.4366+05	3.3224-03	6.2800-01
411	468.82	2.2317+01	1.8564+00	5.1928-03	1.8564+00	5.1928-03	1.0869-03	5.4908-02	9.7793+04	1.3319-03	6.8600-01
412	495.36	4.7588+01	4.0041+00	1.1404-02	4.0041+00	1.1404-02	2.3871-03	1.2059-01	2.1477+05	2.9286-03	7.4400-01
413	474.13	3.5214+01	2.9571+00	8.3014-03	2.9571+00	8.3014-03	1.7376-03	8.7778-02	1.5633+05	2.1297-03	8.0100-01
414	507.66	7.8774+01	6.6806+00	1.9190-02	6.6806+00	1.9190-02	4.0166-03	2.0291-01	3.6138+05	4.9305-03	8.5900-01
415	485.57	5.2980+01	4.4560+00	1.2607-02	4.4560+00	1.2607-02	2.6388-03	1.3330-01	2.3742+05	3.2359-03	9.1700-01
416	513.37	7.5290+01	5.9862+00	1.7263-02	5.9862+00	1.7263-02	3.6133-03	1.8254-01	3.2511+05	4.4367-03	5.7000-01
417	527.93	1.1132+02	9.5618+00	2.7857-02	9.5618+00	2.7857-02	5.8307-03	2.9455-01	5.2461+05	7.1641-03	1.0520+00

CONFIDENTIAL

37 1 6.97 -5.03 .00 -.00 4C2 1 2.15 10.18 1642.0 1862.1

9.00794+01 3.36824-02 2.44340+00 4.73430+03 3.13718-05 7.29643-08 1.70772-01 7.72060+00 7.60755-06 7.40429-02

1	462.13	2.3188+01	3.9090+00	1.0878-02	3.9090+00	1.0878-02	2.2764-03	1.1503-01	2.0493+05	2.7922-03	4.1100-01
2	502.71	8.0585+01	1.3952+01	3.9910-02	1.3952+01	3.9910-02	8.3519-03	4.2201-01	7.5186+05	1.0263-02	7.1100-01
3	502.28	7.4676+01	1.2925+01	3.6963-02	1.2925+01	3.6963-02	7.7350-03	3.9084-01	6.9633+05	9.5049-03	1.3070+00
4	529.62	1.0033+02	1.7668+01	5.1496-02	1.7668+01	5.1496-02	1.0776-02	5.4451-01	9.7012+05	1.3259-02	1.6410+00
5	505.08	6.8052+01	1.2352+01	3.5392-02	1.2352+01	3.5392-02	7.4063-03	3.7423-01	6.6674+05	9.1021-03	1.7720+00
6	464.51	4.4296+00	7.3699-01	2.0542-03	7.3699-01	2.0542-03	4.2988-04	2.1721-02	3.8699+04	5.2732-04	2.4660+00
7	438.13	2.9974+00	4.8833-01	1.3375-03	4.8833-01	1.3375-03	2.7989-04	1.4143-02	2.5197+04	3.4293-04	3.0090+00
8	427.79	2.7512+00	4.4101-01	1.1997-03	4.4101-01	1.1997-03	2.5106-04	1.2686-02	2.2601+04	3.0747-04	3.3930+00
9	428.56	2.7668+00	4.4374-01	1.2078-03	4.4374-01	1.2078-03	2.5275-04	1.2771-02	2.2753+04	3.0954-04	3.7770+00
10	459.72	3.7912+00	6.2314-01	1.7313-03	6.2314-01	1.7313-03	3.6231-04	1.8307-02	3.2616+04	4.4434-04	5.3230+00
14	482.40	6.1518+01	1.0511+01	2.9654-02	1.0511+01	2.9654-02	6.2057-03	3.1356-01	5.5865+05	7.6186-03	1.0880+00
15	505.96	8.8380+01	1.5333+01	4.3961-02	1.5333+01	4.3961-02	9.1995-03	4.6484-01	8.2816+05	1.1306-02	1.3070+00
16	533.77	1.1283+02	1.9918+01	5.8226-02	1.9918+01	5.8226-02	1.2185-02	6.1568-01	1.0969+06	1.4995-02	1.6410+00
19	472.11	2.1398+01	3.3022+00	9.2514-03	3.3022+00	9.2514-03	1.9360-03	9.7823-02	1.7428+05	2.3757-03	4.1100-01
20	466.47	2.9193+01	4.7047+00	1.3131-02	4.7047+00	1.3131-02	2.7478-03	1.3884-01	2.4736+05	3.3710-03	7.1100-01
21	488.71	7.2057+01	1.1965+01	3.3901-02	1.1965+01	3.3901-02	7.0943-03	3.5847-01	6.3865+05	8.7122-03	1.0880+00
22	497.68	8.6383+01	1.4515+01	4.1379-02	1.4515+01	4.1379-02	8.6592-03	4.3753-01	7.7952+05	1.0638-02	1.3070+00
23	780.13	1.0026-01	1.9340-02	6.8523-05	1.9340-02	6.8523-05	1.4340-05	7.2456-04	1.2909+03	1.7874-05	1.6410+00
24	457.34	5.4036+00	8.8408-01	2.4524-03	8.8408-01	2.4524-03	5.1321-04	2.5932-02	4.6201+04	6.2934-04	3.0090+00
25	450.25	4.7034+00	7.4740-01	2.0635-03	7.4740-01	2.0635-03	4.3183-04	2.1820-02	3.8875+04	5.2938-04	3.3930+00
26	446.63	4.8639+00	7.7574-01	2.1366-03	7.7574-01	2.1366-03	4.4713-04	2.2593-02	4.0252+04	5.4804-04	3.7770+00
27	495.83	6.3768+01	1.0477+01	2.9830-02	1.0477+01	2.9830-02	6.2424-03	3.1542-01	5.6196+05	7.6684-03	7.1100-01
28	491.94	7.4467+01	1.2392+01	3.5187-02	1.2392+01	3.5187-02	7.3634-03	3.7206-01	6.6288+05	9.0439-03	1.0880+00
29	500.09	7.9257+01	1.3458+01	3.8430-02	1.3458+01	3.8430-02	8.0421-03	4.0636-01	7.2398+05	9.8813-03	1.3070+00
30	523.56	1.0964+02	1.8952+01	5.5004-02	1.8952+01	5.5004-02	1.1510-02	5.8160-01	1.0362+06	1.4158-02	1.6410+00
31	486.37	5.6266+01	9.6390+00	2.7267-02	9.6390+00	2.7267-02	5.7060-03	2.8832-01	5.1367+05	7.0065-03	1.7720+00
32	473.32	8.2800+00	1.3857+00	3.8855-03	1.3857+00	3.8855-03	8.1310-04	4.1085-02	7.3197+04	9.9782-04	2.4660+00
33	453.06	5.2146+00	8.6344-01	2.3883-03	8.6344-01	2.3883-03	4.9980-04	2.5254-02	4.4993+04	6.1278-04	3.0090+00
34	443.95	4.6862+00	7.5971-01	2.0888-03	7.5971-01	2.0888-03	4.3712-04	2.2087-02	3.9351+04	5.3571-04	3.3930+00
35	441.93	4.7003+00	7.2893-01	2.0015-03	7.2893-01	2.0015-03	4.1885-04	2.1164-02	3.7706+04	5.1327-04	3.7770+00
36	503.56	7.8587+01	1.3215+01	3.7825-02	1.3215+01	3.7825-02	7.9156-03	3.9996-01	7.1259+05	9.7274-03	1.3070+00
37	475.78	8.9958+00	1.5259+00	4.2856-03	1.5259+00	4.2856-03	8.9682-04	4.5315-02	8.0735+04	1.1007-03	2.4660+00
38	451.09	5.0249+00	8.1863-01	2.2614-03	8.1863-01	2.2614-03	4.7324-04	2.3912-02	4.2603+04	5.8017-04	3.0090+00
39	439.60	3.7803+00	6.0733-01	1.6650-03	6.0733-01	1.6650-03	3.4844-04	1.7606-02	3.1367+04	4.2694-04	3.3930+00
40	438.98	3.2842+00	5.2262-01	1.4322-03	5.2262-01	1.4322-03	2.9971-04	1.5144-02	2.6981+04	3.6723-04	3.7770+00
41	446.88	3.2301+00	5.0581-01	1.3934-03	5.0581-01	1.3934-03	2.9159-04	1.4734-02	2.6250+04	3.5740-04	4.1620+00
43	463.78	4.4883+00	7.4860-01	2.0856-03	7.4860-01	2.0856-03	4.3644-04	2.2053-02	3.9289+04	5.3536-04	5.3230+00
47	494.76	5.2971+01	8.7773+00	2.4972-02	8.7773+00	2.4972-02	5.2258-03	2.6405-01	4.7044+05	6.4192-03	7.1100-01
48	502.12	6.7954+01	1.1520+01	3.2940-02	1.1520+01	3.2940-02	6.8932-03	3.4830-01	6.2055+05	8.4705-03	1.0880+00
49	513.25	1.0104+02	1.7353+01	5.0004-02	1.7353+01	5.0004-02	1.0464-02	5.2874-01	9.4201+05	1.2865-02	1.3070+00
50	548.03	1.1616+02	2.0505+01	6.0550-02	2.0505+01	6.0550-02	1.2671-02	6.4025-01	1.1407+06	1.5604-02	1.6410+00
51	499.11	5.6436+01	9.7484+00	2.7817-02	9.7484+00	2.7817-02	5.8212-03	2.9414-01	5.2405+05	7.1522-03	1.7720+00
52	473.58	5.2577+00	8.9313-01	2.5047-03	8.9313-01	2.5047-03	5.2414-04	2.6484-02	4.7185+04	6.4323-04	2.4660+00
53	447.55	5.8161+00	9.4523-01	2.6050-03	9.4523-01	2.6050-03	5.4515-04	2.7546-02	4.9076+04	6.6822-04	3.0090+00
54	438.05	4.4561+00	7.1082-01	1.9468-03	7.1082-01	1.9468-03	4.0740-04	2.0585-02	3.6675+04	4.9915-04	3.3930+00
55	438.80	3.3834+00	5.3013-01	1.4526-03	5.3013-01	1.4526-03	3.0399-04	1.5360-02	2.7366+04	3.7246-04	3.7770+00
56	459.17	5.7720+00	8.9157-01	2.4762-03	8.9157-01	2.4762-03	5.1819-04	2.6183-02	4.6649+04	6.3550-04	4.1100-01
57	479.48	3.5887+01	5.8516+00	1.6476-02	5.8516+00	1.6476-02	3.4478-03	1.7421-01	3.1038+05	4.2323-03	7.1100-01
58	477.34	4.6051+01	7.6818+00	2.1597-02	7.6818+00	2.1597-02	4.5196-03	2.2837-01	4.0687+05	5.5473-03	1.0880+00
59	500.69	7.8186+01	1.3282+01	3.7941-02	1.3282+01	3.7941-02	7.9398-03	4.0119-01	7.1476+05	9.7558-03	1.3070+00
60	554.74	1.2161+02	2.1425+01	6.3571-02	2.1425+01	6.3571-02	1.3303-02	6.7220-01	1.1976+06	1.6388-02	1.6410+00
61	446.26	4.3013+00	6.9632-01	1.9174-03	6.9632-01	1.9174-03	4.0125-04	2.0275-02	3.6122+04	4.9181-04	3.0090+00
62	437.44	4.1008+00	6.6366-01	1.7900-03	6.6366-01	1.7900-03	3.7460-04	1.8928-02	3.3722+04	4.5895-04	3.3930+00
63	442.61	3.8135+00	5.9911-01	1.6458-03	5.9911-01	1.6458-03	3.4440-04	1.7402-02	3.1004+04	4.2206-04	3.7770+00
64	450.44	1.4689+01	2.4567+00	6.7835-03	2.4567+00	6.7835-03	1.4196-03	7.1729-02	1.2779+05	1.7403-03	1.0880+00
65	454.33	2.2981+01	3.8537+00	1.0669-02	3.8537+00	1.0669-02	2.2326-03	1.1281-01	2.0098+05	2.7374-03	1.3070+00
66	500.92	6.7148+01	1.1612+01	3.2177-02	1.1612+01	3.2177-02	6.9428-03	3.5081-01	6.2501+05	8.5308-03	1.6410+00
69	462.36	1.2073+01	2.0395+00	5.6653-03	2.0355+00	5.6653-03	1.1856-03	5.9905-02	1.0673+05	1.4542-03	4.1100-01
70	447.66	4.5444+00	7.5857-01	2.0908-03	7.5857-01	2.0908-03	4.3753-04	2.2108-02	3.9387+04	5.3630-04	7.1100-01
71	447.48	7.8187+00	1.3011+00	3.5858-03	1.3011+00	3.5858-03	7.5038-04	3.7916-02	6.7552+04	9.1978-04	1.3070+00
72	461.19	1.3137+01	2.2132+00	6.1552-03	2.2132+00	6.1552-03	1.2881-03	6.5085-02	1.1596+05	1.5798-03	1.6410+00
73	455.70	6.0629+00	9.7893-01	2.7126-03	9.7893-01	2.7126-03	5.6765-04	2.8683-02	5.1102+04	6.9606-04	3.7770+00
74	472.27	4.4582+00	7.3897-01	2.0705-03	7.3897-01	2.0705-03	4.3329-04	2.1893-02	3.9006+04	5.3170-04	5.3230+00
77	429.59	3.8712+00	6.3252-01	1.7228-03	6.3252-01	1.7228-03	3.6052-04	1.8216-02	3.2455+04	4.4155-04	3.0090+00
78	427.12	3.4197+00	5.5121-01	1.4989-03	5.5121-01	1.4989-03	3.1367-04	1.5849-02	2.8237+04	3.8412-04	3.3930+00
79	435.42	3.3683+00	5.3631-01	1.4663-03	5.3631-01	1.4663-03	3.0685-04	1.5505-02	2.7623+04	3.7591-04	3.7770+00
80	464.80	4.8426+00	8.2021-01	2.2866-03	8.2021-01	2.2866-03	4.7851-04	2.4179-02	4.3077+04	5.8699-04	2.4660+00
81	432.20	3.2270+00	5.2824-01	1.4412-03	5.2824-01	1.4412-03	3.0159-04	1.5239-02	2.7150+04	3.6942-04	3.0090+00
82	424.89	2.6384+00	4.2587-01	1.1564-03	4.2587-01	1.1564-03	2.4199-04	1.2227-02	2.1785+04	2.9632-04	3.3930+00
83	429.93	2.6899+00	4.3183-01	1.1764-03	4.3183-01	1.1764-03	2.4618-04	1.2439-02	2.2162+04	3.0152-04	3.7770+00
337	537.13	4.5900+01	8.9033+00	2.6088-02	8.9033+00	2.6088-02	5.4594-03	2.7586-01	4.9147+05	6.7196-03	7.1680+00
339	501.42	1.6716+01	3.2384+00	9.2555-03	3.2384+00	9.2555-03	1.9369-03	9.7867-02	1.7436+05	2.3800-03	8.1130+00
340	472.44	3.3709+00	6.2740-01	1.7581-03	6.2740-01	1.7581-03	3.6791-04	1.8590-02	3.3121+04	4.5148-04	8.6180+00
342	532.79	3.9962+01	7.9783+00	2.3306-02	7.9783+00	2.3306-02	4.8772-03	2.4644-01	4.3906+05	6.0018-03	7.1680+00
344	504.55	1.8728+01	3.6543+00	1.0467-02	3.6543+00	1.0467-02	2.1904-03	1.1068-01	1.9718+05	2.6918-03	8.1130+00
347	519.11	2.9416+01	5.6424+00	1.6325-02	5.6424+00	1.6325-02	3.4164-03	1.7262-01	3.0755+05	4.2014-03	7.1680+00
349	499.81	1.7592+01	3.4134+00	9.7451-03	3.4134+00	9.7451-03	2.0393-03	1.0304-01	1.8359+05	2.5057-03	8.1130+00
350	473.24	3.7304+00	6.5578-01	1.8386-03	6.5578-01	1.8386-03	3.8476-04	1.9441-02	3.4637+04	4.7217-04	8.6180+00
352	522.08	2.6243+01	4.9222+00	1.4271-02	4.9222+00	1.4271-02	2.9865-03	1.5090-01	2.6885+05	3.6732-03	7.1680+00
354	507.51	1.7135+01	3.3324+00	9.5644-03	3.3324+00	9.5644-03	2.0015-03	1.0113-01	1.8018+05	2.4601-03	8.1130+00
357	516.43	1.7415+01	3.2459+00	9.3739-03	3.2459+00	9.3739-03	1.9616-03	9.9118-02	1.7659+05	2.4121-03	7.1680+00
359	507.04	9.3439+00	1.6981+00	4.8721-03	1.6981+00	4.8721-03	1.0196-03	5.1517-02	9.1784+04	1.2531-03	8.1130+00
401	494.57	4.0841+01	3.4758+00	9.8875-03	3.4758+00	9.8875-03	2.0691-03	1.0455-01	1.8627+05	2.5417-03	4.5500-01
403	526.20	6.8844+01	5.9069+00	1.7176-02	5.9069+00	1.7176-02	3.5943-03	1.8161-01	3.2357+05	4.4217-03	6.8600-01
404	337.49	-9.3875+00	-7.0947-01	-1.8229-03	-7.0947-01	-1.8229-03	-3.8147-04	-1.9275-02	-3.4341+04	-4.6535-04	8.0100-01
405	575.81	1.1653+02	1.0301+01	3.1035-02	1.0301+01	3.1035-02	6.4946-03	3.2816-01	5.8466+05	8.0086-03	1.0510+00
406	569.25	1.3019+02	1.1534+01	3.4582-02	1.1534+01	3.4582-02	7.2369-03	3.6567-01	6.5148+05	8.9211-03	1.1670+00
407	594.30	1.4669+02	1.3421+01	4.0985-02	1.3421+01	4.0985-02	8.5768-03	4.3337-01	7.7211+05	1.0586-02	1.2830+00
408	526.00	7.6023+01	6.4439+00	1.8734-02	6.4439+00	1.8734-02	3.9205-03	1.9810-01	3.5293+05	4.8229-03	5.1300-01
409	472.53	2.3526+01	1.9618+00	5.4977-03	1.9618+00	5.4977-03	1.1505-03	5.8133-02	1.0357+05	1.4118-03	5.7000-01
410	508.61	5.4548+01	4.4903+00	1.2898-02	4.4903+00	1.2898-02	2.6990-03	1.3638-01	2.4297+05	3.3176-03	6.2800-01
411	474.55	2.3571+01	1.9662+00	5.5232-03	1.9662+00	5.5232-03	1.1558-03	5.8402-02	1.0405+05	1.4185-03	6.8600-01
412	507.45	4.8939+01	4.1498+00	1.1910-02	4.1498+00	1.1910-02	2.4924-03	1.2594-01	2.2437+05	3.0634-03	7.4400-01
413	483.18	3.6837+01	3.1119+00	8.7837-03	3.1119+00	8.7837-03	1.8381-03	9.2878-02	1.6547+05	2.2567-03	8.0100-01
414	527.47	7.9486+01	6.8254+00	1.9864-02	6.8254+00	1.9864-02	4.1569-03	2.1004-01	3.7422+05	5.1141-03	8.5900-01
415	498.91	5.3294+01	4.5214+00	1.2900-02	4.5214+00	1.2900-02	2.6996-03	1.3641-01	2.4302+05	3.3168-03	9.1700-01
416	531.88	7.3209+01	5.8864+00	1.7190-02	5.8864+00	1.7190-02	3.5973-03	1.8177-01	3.2384+05	4.4266-03	5.7000-01
417	555.66	1.0982+02	9.5935+00	2.8484-02	9.5935+00	2.8484-02	5.9608-03	3.0119-01	5.3661+05	7.3432-03	1.0520+00

CONFIDENTIAL

37 1 6.98 -5.02 .00 -.00 402 1 2.40 10.18 1642.0 1861.4

9.00427+01 3.36848-02 2.44358+00 4.73333+03 3.13868-05 7.29346-08 1.70889-01 7.72000+00 7.60406-06 7.40467-02

1	468.11	2.4496+01	4.1460+00	1.1575-02	4.1460+00	1.1575-02	2.4215-03	1.2239-01	2.1815+05	2.9757-03	4.1100-01
2	522.60	7.8633+01	1.3786+01	3.9951-02	1.3786+01	3.9951-02	8.3581-03	4.2244-01	7.5297+05	1.0297-02	7.1100-01
3	520.37	7.2432+01	1.2681+01	3.6692-02	1.2681+01	3.6692-02	7.6763-03	3.8798-01	6.9155+05	9.4562-03	1.3070+00
4	554.22	9.7534+01	1.7434+01	5.1664-02	1.7434+01	5.1664-02	1.0809-02	5.4629-01	9.7373+05	1.3337-02	1.6410+00
5	521.93	6.7046+01	1.2299+01	3.5626-02	1.2299+01	3.5626-02	7.4532-03	3.7670-01	6.7145+05	9.1821-03	1.7720+00
6	465.61	4.4452+00	7.4013-01	2.0628-03	7.4013-01	2.0628-03	4.3156-04	2.1812-02	3.8878+04	5.3025-04	2.4660+00
7	438.87	2.9958+00	4.8833-01	1.3371-03	4.8833-01	1.3371-03	2.7973-04	1.4138-02	2.5201+04	3.4328-04	3.0090+00
8	428.51	2.7558+00	4.4198-01	1.2020-03	4.4198-01	1.2020-03	2.5146-04	1.2710-02	2.2654+04	3.0845-04	3.3930+00
9	429.26	2.7070+00	4.3438-01	1.1819-03	4.3438-01	1.1819-03	2.4726-04	1.2497-02	2.2276+04	3.0330-04	3.7770+00
10	460.68	3.8000+00	6.2499-01	1.7362-03	6.2499-01	1.7362-03	3.6322-04	1.8358-02	3.2722+04	4.4619-04	5.3230+00
14	497.67	6.0823+01	1.0496+01	2.9897-02	1.0496+01	2.9897-02	6.2547-03	3.1613-01	5.6348+05	7.6967-03	1.0880+00
15	527.58	8.5882+01	1.5104+01	4.3922-02	1.5104+01	4.3922-02	9.1888-03	4.6443-01	8.2781+05	1.1323-02	1.3070+00
16	561.34	1.0863+02	1.9499+01	5.8082-02	1.9499+01	5.8082-02	1.2151-02	6.1416-01	1.0947+06	1.4999-02	1.6410+00
19	477.42	2.1192+01	3.2820+00	9.2203-03	3.2820+00	9.2203-03	1.9290-03	9.7495-02	1.7378+05	2.3714-03	4.1100-01
20	473.96	3.0067+01	4.8697+00	1.3649-02	4.8697+00	1.3649-02	2.8554-03	1.4432-01	2.5724+05	3.5098-03	7.1100-01
21	506.52	7.0693+01	1.1874+01	3.4029-02	1.1874+01	3.4029-02	7.1191-03	3.5982-01	6.4136+05	8.7641-03	1.0880+00
22	518.71	8.3579+01	1.4233+01	4.1134-02	1.4233+01	4.1134-02	8.6055-03	4.3495-01	7.7527+05	1.0600-02	1.3070+00
23	780.17	1.3714-01	2.6454-02	9.3638-05	2.6454-02	9.3638-05	1.9590-05	9.9012-04	1.7648+03	2.4467-05	1.6410+00
24	458.70	5.4239+00	8.8821-01	2.4641-03	8.8821-01	2.4641-03	5.1552-04	2.6055-02	4.6442+04	6.3321-04	3.0090+00
25	451.42	4.6083+00	7.3288-01	2.0234-03	7.3288-01	2.0234-03	4.2331-04	2.1395-02	3.8136+04	5.1978-04	3.3930+00
26	447.87	4.9055+00	7.8303-01	2.1568-03	7.8303-01	2.1568-03	4.5121-04	2.2805-02	4.0650+04	5.5395-04	3.7770+00
27	511.77	6.3149+01	1.0482+01	3.0147-02	1.0482+01	3.0147-02	6.3071-03	3.1878-01	5.6820+05	7.7664-03	7.1100-01
28	510.38	7.2873+01	1.2270+01	3.5258-02	1.2270+01	3.5258-02	7.3762-03	3.7281-01	6.6452+05	9.0823-03	1.0880+00
29	519.54	7.7253+01	1.3281+01	3.8405-02	1.3281+01	3.8405-02	8.0348-03	4.0610-01	7.2384+05	9.8974-03	1.3070+00
30	550.22	1.0535+02	1.8511+01	5.4701-02	1.8511+01	5.4701-02	1.1444-02	5.7840-01	1.0310+06	1.4118-02	1.6410+00
31	500.45	5.6219+01	9.7192+00	2.7736-02	9.7192+00	2.7736-02	5.8027-03	2.9328-01	5.2276+05	7.1414-03	1.7720+00
32	475.42	8.4587+00	1.4176+00	3.9772-03	1.4176+00	3.9772-03	8.3207-04	4.2055-02	7.4960+04	1.0228-03	2.4660+00
33	454.42	5.5278+00	9.1616-01	2.5344-03	9.1616-01	2.5344-03	5.3022-04	2.6799-02	4.7767+04	6.5115-04	3.0090+00
34	445.14	4.7184+00	7.6556-01	2.1048-03	7.6556-01	2.1048-03	4.4035-04	2.2256-02	3.9671+04	5.4054-04	3.3930+00
35	443.11	4.7304+00	7.3420-01	2.0159-03	7.3420-01	2.0159-03	4.2175-04	2.1316-02	3.7995+04	5.1766-04	3.7770+00
36	522.69	7.5889+01	1.2917+01	3.7434-02	1.2917+01	3.7434-02	7.8315-03	3.9582-01	7.0553+05	9.6485-03	1.3070+00
37	478.01	9.0239+00	1.5329+00	4.3082-03	1.5329+00	4.3082-03	9.0132-04	4.5555-02	8.1199+04	1.1081-03	2.4660+00
38	452.28	5.0951+00	8.3073-01	2.2948-03	8.3073-01	2.2948-03	4.8010-04	2.4265-02	4.3252+04	5.8954-04	3.0090+00
39	440.48	3.7943+00	6.0995-01	1.6719-03	6.0995-01	1.6719-03	3.4977-04	1.7678-02	3.1511+04	4.2927-04	3.3930+00
40	439.81	3.3683+00	5.3632-01	1.4694-03	5.3632-01	1.4694-03	3.0741-04	1.5537-02	2.7694+04	3.7726-04	3.7770+00
41	447.71	3.2405+00	5.0772-01	1.3983-03	5.0772-01	1.3983-03	2.9254-04	1.4786-02	2.6355+04	3.5914-04	4.1620+00
43	464.90	4.4545+00	7.4353-01	2.0713-03	7.4353-01	2.0713-03	4.3334-04	2.1902-02	3.9039+04	5.3242-04	5.3230+00
47	507.94	5.2269+01	8.7345+00	2.9055-02	8.7345+00	2.5055-02	5.2418-03	2.6493-01	4.7223+05	6.4534-03	7.1100-01
48	518.84	6.6621+01	1.1414+01	3.2990-02	1.1414+01	3.2990-02	6.9019-03	3.4884-01	6.2179+05	8.5016-03	1.0880+00
49	537.85	9.7808+01	1.7057+01	4.9963-02	1.7057+01	4.9963-02	1.0453-02	5.2830-01	9.4167+05	1.2887-02	1.3070+00
50	576.40	1.1194+02	2.0095+01	6.0513-02	2.0095+01	6.0513-02	1.2660-02	6.3986-01	1.1405+06	1.5638-02	1.6410+00
51	513.32	5.6882+01	9.9147+00	2.8547-02	9.9147+00	2.8547-02	5.9723-03	3.0185-01	5.3804+05	7.3546-03	1.7720+00
52	474.92	5.4229+00	9.2201-01	2.5859-03	9.2201-01	2.5859-03	5.4099-04	2.7343-02	4.8737+04	6.6500-04	2.4660+00
53	449.03	5.9117+00	9.6174-01	2.6510-03	9.6174-01	2.6510-03	5.5462-04	2.8032-02	4.9965+04	6.8094-04	3.0090+00
54	439.17	4.4197+00	7.0556-01	1.9323-03	7.0556-01	1.9323-03	4.0425-04	2.0432-02	3.6418+04	4.9609-04	3.3930+00
55	439.65	3.4509+00	5.4103-01	1.4821-03	5.4103-01	1.4821-03	3.1008-04	1.5672-02	2.7935+04	3.8054-04	3.7770+00
56	460.65	6.3870+00	9.8756-01	2.7433-03	9.8756-01	2.7433-03	5.7393-04	2.9008-02	5.1705+04	7.0502-04	4.1100-01
57	488.53	3.6056+01	5.9142+00	1.6741-02	5.9142+00	1.6741-02	3.5023-03	1.7701-01	3.1552+05	4.3079-03	7.1100-01
58	488.89	4.5888+01	7.7129+00	2.1838-02	7.7129+00	2.1838-02	4.5686-03	2.3091-01	4.1158+05	5.6195-03	1.0880+00
59	520.17	7.6932+01	1.3231+01	3.8277-02	1.3231+01	3.8277-02	8.0080-03	4.0474-01	7.2143+05	9.8647-03	1.3070+00
60	584.52	1.1698+02	2.0974+01	6.3536-02	2.0974+01	6.3536-02	1.3292-02	6.7183-01	1.1975+06	1.6426-02	1.6410+00
61	447.34	4.3579+00	7.0661-01	1.9439-03	7.0661-01	1.9439-03	4.0669-04	2.0555-02	3.6638+04	4.9928-04	3.0090+00
62	438.46	4.1610+00	6.6393-01	1.8174-03	6.6393-01	1.8174-03	3.8022-04	1.9217-02	3.4253+04	4.6659-04	3.3930+00
63	443.57	3.8395+00	6.0359-01	1.6578-03	6.0359-01	1.6578-03	3.4682-04	1.7529-02	3.1245+04	4.2571-04	3.7770+00
64	454.13	1.4924+01	2.5022+00	6.9205-03	2.5022+00	6.9205-03	1.4478-03	7.3177-02	1.3043+05	1.7780-03	1.0880+00
65	460.12	2.3312+01	3.9246+00	1.0898-02	3.9246+00	1.0898-02	2.2800-03	1.1523-01	2.0540+05	2.8007-03	1.3070+00
66	517.67	6.6210+01	1.1572+01	3.3421-02	1.1572+01	3.3421-02	6.9919-03	3.5339-01	6.2989+05	8.6120-03	1.6410+00
69	465.38	1.2253+01	2.0701+00	5.7687-03	2.0701+00	5.7687-03	1.2069-03	6.0997-02	1.0872+05	1.4828-03	4.1100-01
70	448.81	4.5771+00	7.6463-01	2.1074-03	7.6463-01	2.1074-03	4.4089-04	2.2283-02	3.9719+04	5.4130-04	7.1100-01
71	449.43	7.5990+00	1.2663+00	3.4914-03	1.2663+00	3.4914-03	7.3043-04	3.6918-02	6.5803+04	8.9680-04	1.3070+00
72	464.43	1.2992+01	2.1936+00	6.1088-03	2.1936+00	6.1088-03	1.2780-03	6.4594-02	1.1514+05	1.5702-03	1.6410+00
73	457.24	6.1345+00	9.9154-01	2.7481-03	9.9154-01	2.7481-03	5.7493-04	2.9058-02	5.1795+04	7.0614-04	3.7770+00
74	473.40	4.4545+00	7.3892-01	2.0702-03	7.3892-01	2.0702-03	4.3311-04	2.1890-02	3.9019+04	5.3235-04	5.3230+00
77	430.57	3.8468+00	6.2896-01	1.7128-03	6.2896-01	1.7128-03	3.5833-04	1.8111-02	3.2282+04	4.3958-04	3.0090+00
78	427.95	3.3558+00	5.4123-01	1.4714-03	5.4123-01	1.4714-03	3.0782-04	1.5558-02	2.7731+04	3.7757-04	3.3930+00
79	436.24	3.4291+00	5.4630-01	1.4932-03	5.4630-01	1.4932-03	3.1240-04	1.5789-02	2.8144+04	3.8332-04	3.7770+00
80	466.01	4.8566+00	8.2325-01	2.2951-03	8.2325-01	2.2951-03	4.8015-04	2.4268-02	4.3256+04	5.8997-04	2.4660+00
81	432.99	3.2369+00	5.3015-01	1.4460-03	5.3015-01	1.4460-03	3.0251-04	1.5290-02	2.7253+04	3.7114-04	3.0090+00
82	425.53	2.6520+00	4.2825-01	1.1624-03	4.2825-01	1.1624-03	2.4318-04	1.2291-02	2.1908+04	2.9825-04	3.3930+00
83	430.61	2.7127+00	4.3571-01	1.1865-03	4.3571-01	1.1865-03	2.4824-04	1.2546-02	2.2363+04	3.0452-04	3.7770+00
337	548.57	4.5605+01	8.9079+00	2.6292-02	8.9079+00	2.6292-02	5.5005-03	2.7801-01	4.9554+05	6.7852-03	7.1680+00
339	505.63	1.6856+01	3.2743+00	9.3775-03	3.2743+00	9.3775-03	1.9619-03	9.9157-02	1.7674+05	2.4151-03	8.1130+00
340	473.29	3.3958+00	6.3240-01	1.7717-03	6.3240-01	1.7717-03	3.7065-04	1.8734-02	3.3392+04	4.5558-04	8.6180+00
342	542.71	3.9567+01	7.9476+00	2.3360-02	7.9476+00	2.3360-02	4.8871-03	2.4701-01	4.4028+05	6.0268-03	7.1680+00
344	509.25	1.8811+01	3.6816+00	1.0570-02	3.6816+00	1.0570-02	2.2114-03	1.1177-01	1.9923+05	2.7228-03	8.1130+00
347	526.43	2.9139+01	5.6149+00	1.6315-02	5.6149+00	1.6315-02	3.4133-03	1.7257-01	3.0750+05	4.2060-03	7.1680+00
349	504.23	1.7602+01	3.4249+00	9.7994-03	3.4249+00	9.7994-03	2.0501-03	1.0362-01	1.8469+05	2.5236-03	8.1130+00
350	474.16	3.7107+00	6.5271-01	1.8296-03	6.5271-01	1.8296-03	3.8278-04	1.9347-02	3.4484+04	4.7051-04	8.6180+00
352	528.58	2.5926+01	4.8825+00	1.4208-02	4.8825+00	1.4208-02	2.9725-03	1.5024-01	2.6779+05	3.6632-03	7.1680+00
354	511.76	1.6999+01	3.3149+00	9.5341-03	3.3149+00	9.5341-03	1.9946-03	1.0081-01	1.7969+05	2.4561-03	8.1130+00
357	520.74	1.7210+01	3.2164+00	9.3088-03	3.2164+00	9.3088-03	1.9475-03	9.8431-02	1.7545+05	2.3991-03	7.1680+00
359	509.21	8.8151+00	1.6042+00	4.6057-03	1.6042+00	4.6057-03	9.6356-04	4.8701-02	8.6807+04	1.1864-03	8.1130+00
401	504.83	4.0836+01	3.4984+00	1.0014-02	3.4984+00	1.0014-02	2.0949-03	1.0588-01	1.8873+05	2.5788-03	4.5500-01
403	543.08	6.6039+01	5.7253+00	1.6833-02	5.7253+00	1.6833-02	3.5216-03	1.7799-01	3.1725+05	4.3429-03	6.8600-01
404	331.17	-2.1707+01	-1.6323+00	-4.1746-03	-1.6323+00	-4.1746-03	-8.7336-04	-4.4142-02	-7.8681+04	-1.0667-03	8.0100-01
405	603.89	1.0908+02	9.7994+00	3.0113-02	9.7994+00	3.0113-02	6.2998-03	3.1841-01	5.6754+05	7.7926-03	1.0510+00
406	600.86	1.2302+02	1.1099+01	3.4030-02	1.1099+01	3.4030-02	7.1193-03	3.5983-01	6.4137+05	8.8049-03	1.1670+00
407	629.42	1.3624+02	1.2711+01	3.9817-02	1.2711+01	3.9817-02	8.3302-03	4.2103-01	7.5046+05	1.0318-02	1.2830+00
408	544.77	7.4162+01	6.3590+00	1.8718-02	6.3590+00	1.8718-02	3.9160-03	1.9792-01	3.5279+05	4.8297-03	5.1300-01
409	478.57	2.5096+01	2.1011+00	5.9072-03	2.1011+00	5.9072-03	1.2358-03	6.2462-02	1.1134+05	1.5194-03	5.7000-01
410	522.26	5.4443+01	4.5203+00	1.3097-02	4.5203+00	1.3097-02	2.7399-03	1.3848-01	2.4684+05	3.3755-03	6.2800-01
411	480.59	2.4856+01	2.0838+00	5.8666-03	2.0838+00	5.8666-03	1.2273-03	6.2033-02	1.1057+05	1.5091-03	6.8600-01
412	519.89	5.0066+01	4.2789+00	1.2376-02	4.2789+00	1.2376-02	2.5893-03	1.3087-01	2.3326+05	3.1896-03	7.4400-01
413	492.56	3.7970+01	3.2273+00	9.1604-03	3.2273+00	9.1604-03	1.9164-03	9.6861-02	1.7265+05	2.3577-03	8.0100-01
414	547.52	7.9781+01	6.9354+00	2.0455-02	6.9354+00	2.0455-02	4.2793-03	2.1629-01	3.8552+05	5.2785-03	8.5900-01
415	512.29	5.3190+01	4.5512+00	1.3095-02	4.5512+00	1.3095-02	2.7396-03	1.3846-01	2.4680+05	3.3735-03	9.1700-01
416	549.98	7.1392+01	5.8059+00	1.7153-02	5.8059+00	1.7153-02	3.5887-03	1.8138-01	3.2330+05	4.4271-03	5.7000-01
417	582.93	1.0766+02	9.5568+00	2.8916-02	9.5568+00	2.8916-02	6.0495-03	3.0576-01	5.4500+05	7.4752-03	1.0520+00

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37 1 6.98 -5.02 .00 -.00 402 1 2.65 10.18 1642.0 1862.3

9.00886+01 3.36818-02 2.44335+00 4.73454+03 3.13680-05 7.29718-08 1.70743-01 7.72000+00 7.60842-06 7.40419-02

1	474.39	2.5682+01	4.3650+00	1.2243-02	4.3650+00	1.2243-02	2.5622-03	1.2945-01	2.3061+05	3.1451-03	4.1100-01
2	542.02	7.6734+01	1.3615+01	4.0016-02	1.3615+01	4.0016-02	8.3746-03	4.2313-01	7.5377+05	1.0312-02	7.1100-01
3	538.34	7.1306+01	1.2624+01	3.7005-02	1.2624+01	3.7005-02	7.7445-03	3.9129-01	6.9706+05	9.5349-03	1.3070+00
4	578.30	9.5374+01	1.7292+01	5.2166-02	1.7292+01	5.2166-02	1.0917-02	5.5159-01	9.8262+05	1.3467-02	1.6410+00
5	538.57	6.6302+01	1.2289+01	3.6029-02	1.2289+01	3.6029-02	7.5402-03	3.8097-01	6.7867+05	9.2835-03	1.7720+00
6	466.72	4.5205+00	7.5323-01	2.1018-03	7.5323-01	2.1018-03	4.3986-04	2.2224-02	3.9590+04	5.3974-04	2.4660+00
7	439.61	3.0094+00	4.9078-01	1.3450-03	4.9078-01	1.3450-03	2.8148-04	1.4222-02	2.5335+04	3.4497-04	3.0090+00
8	429.17	2.6992+00	4.3310-01	1.1788-03	4.3310-01	1.1788-03	2.4670-04	1.2465-02	2.2205+04	3.0221-04	3.3930+00
9	429.91	2.7133+00	4.3558-01	1.1861-03	4.3558-01	1.1861-03	2.4824-04	1.2542-02	2.2343+04	3.0410-04	3.7770+00
10	461.63	3.8223+00	6.2907-01	1.7493-03	6.2907-01	1.7493-03	3.6610-04	1.8497-02	3.2951+04	4.4913-04	5.3230+00
14	512.82	6.0443+01	1.0532+01	3.0327-02	1.0532+01	3.0327-02	6.3468-03	3.2067-01	5.7125+05	7.8046-03	1.0880+00
15	548.81	8.4259+01	1.5012+01	4.4335-02	1.5012+01	4.4335-02	9.2784-03	4.6879-01	8.3511+05	1.1429-02	1.3070+00
16	588.05	1.0517+02	1.9175+01	5.8263-02	1.9175+01	5.8263-02	1.2193-02	6.1667-01	1.0975+06	1.5048-02	1.6410+00
19	482.73	2.0961+01	3.2575+00	9.1881-03	3.2575+00	9.1881-03	1.9229-03	9.7155-02	1.7307+05	2.3613-03	4.1100-01
20	481.54	3.0636+01	4.9870+00	1.4055-02	4.9870+00	1.4055-02	2.9414-03	1.4862-01	2.6475+05	3.6118-03	7.1100-01
21	524.05	6.9528+01	1.1808+01	3.4269-02	1.1808+01	3.4269-02	7.1719-03	3.6236-01	6.4551+05	8.8239-03	1.0880+00
22	539.35	8.1912+01	1.4128+01	4.1446-02	1.4128+01	4.1446-02	8.6738-03	4.3824-01	7.8070+05	1.0680-02	1.3070+00
23	780.20	9.8701-02	1.9039-02	6.7428-05	1.9039-02	6.7428-05	1.4111-05	7.1297-04	1.2701+03	1.7595-05	1.6410+00
24	460.05	5.4182+00	8.8809-01	2.4670-03	8.8809-01	2.4670-03	5.1629-04	2.6086-02	4.6470+04	6.3334-04	3.0090+00
25	452.52	4.5787+00	7.2872-01	2.0142-03	7.2872-01	2.0142-03	4.2153-04	2.1298-02	3.7940+04	5.1691-04	3.3930+00
26	449.09	4.8779+00	7.7929-01	2.1491-03	7.7929-01	2.1491-03	4.4976-04	2.2724-02	4.0481+04	5.5145-04	3.7770+00
27	527.41	6.2072+01	1.0404+01	3.0266-02	1.0404+01	3.0266-02	6.3341-03	3.2003-01	5.7011+05	7.7944-03	7.1100-01
28	528.34	7.1195+01	1.2124+01	3.5290-02	1.2124+01	3.5290-02	7.3855-03	3.7315-01	6.6474+05	9.0886-03	1.0880+00
29	538.64	7.5925+01	1.3208+01	3.8726-02	1.3208+01	3.8726-02	8.1046-03	4.0949-01	7.2947+05	9.9784-03	1.3070+00
30	576.07	1.0206+02	1.8209+01	5.4844-02	1.8209+01	5.4844-02	1.1478-02	5.7992-01	1.0331+06	1.4157-02	1.6410+00
31	514.50	5.5978+01	9.7643+00	2.8149-02	9.7643+00	2.8149-02	5.8911-03	2.9765-01	5.3023+05	7.2448-03	1.7720+00
32	477.55	8.5257+00	1.4309+00	4.0218-03	1.4309+00	4.0218-03	8.4169-04	4.2526-02	7.5757+04	1.0333-03	2.4660+00
33	455.85	5.6078+00	9.3032-01	2.5771-03	9.3032-01	2.5771-03	5.3933-04	2.7250-02	4.8543+04	6.6147-04	3.0090+00
34	466.32	4.6966+00	7.6264-01	2.0993-03	7.6264-01	2.0993-03	4.3934-04	2.2198-02	3.9544+04	5.3860-04	3.3930+00
35	444.30	4.7065+00	7.3110-01	2.0098-03	7.3110-01	2.0098-03	4.2061-04	2.1251-02	3.7857+04	5.1559-04	3.7770+00
36	541.37	7.4008+01	1.2742+01	3.7433-02	1.2742+01	3.7433-02	7.8341-03	3.9582-01	7.0512+05	9.6466-03	1.3070+00
37	480.27	9.0208+00	1.5347+00	4.3215-03	1.5347+00	4.3215-03	9.0442-04	4.5696-02	8.1403+04	1.1105-03	2.4660+00
38	453.52	5.1938+00	8.4754-01	2.3442-03	8.4754-01	2.3442-03	4.9059-04	2.4787-02	4.4156+04	6.0163-04	3.0090+00
39	441.44	3.9299+00	6.3217-01	1.7345-03	6.3217-01	1.7345-03	3.6301-04	1.8341-02	3.2673+04	4.4493-04	3.3930+00
40	440.66	3.4166+00	5.4433-01	1.4928-03	5.4433-01	1.4928-03	3.1241-04	1.5785-02	2.8119+04	3.8290-04	3.7770+00
41	448.51	3.2213+00	5.0499-01	1.3921-03	5.0499-01	1.3921-03	2.9134-04	1.4720-02	2.6222+04	3.5719-04	4.1620+00
43	466.00	4.4442+00	7.4234-01	2.0704-03	7.4234-01	2.0704-03	4.3329-04	2.1892-02	3.8999+04	5.3166-04	5.3230+00
47	520.92	5.1320+01	8.6464+00	2.5038-02	8.6464+00	2.5038-02	5.2400-03	2.6475-01	4.7163+05	6.4460-03	7.1100-01
48	535.37	6.5758+01	1.1382+01	3.3297-02	1.1382+01	3.3297-02	6.9684-03	3.5208-01	6.2720+05	8.5781-03	1.0880+00
49	561.97	9.5926+01	1.6974+01	5.0604-02	1.6974+01	5.0604-02	1.0590-02	5.3508-01	9.5321+05	1.3054-02	1.3070+00
50	603.87	1.0851+02	1.9789+01	6.0835-02	1.9789+01	6.0835-02	1.2732-02	6.4327-01	1.1459+06	1.5725-02	1.6410+00
51	527.61	5.7114+01	1.0045+01	2.9223-02	1.0045+01	2.9223-02	6.1158-03	3.0900-01	5.5046+05	7.5258-03	1.7720+00
52	476.28	5.5678+00	9.4752-01	2.6609-03	9.4752-01	2.6609-03	5.5688-04	2.8137-02	5.0123+04	6.8364-04	2.4660+00
53	450.52	5.5896+00	9.1026-01	2.5126-03	9.1026-01	2.5126-03	5.2584-04	2.6568-02	4.7329+04	6.4477-04	3.0090+00
54	440.27	4.3740+00	6.9880-01	1.9159-03	6.9880-01	1.9159-03	4.0096-04	2.0258-02	3.6089+04	4.9141-04	3.3930+00
55	440.54	3.5340+00	5.5441-01	1.5203-03	5.5441-01	1.5203-03	3.1817-04	1.6075-02	2.8637+04	3.8995-04	3.7770+00
56	462.40	6.7205+00	1.0404+00	2.8945-03	1.0404+00	2.8945-03	6.0577-04	3.0607-02	5.4523+04	7.4318-04	4.1100-01
57	497.54	3.5806+01	5.9075+00	1.6832-02	5.9075+00	1.6832-02	3.5227-03	1.7798-01	3.1706+05	4.3287-03	7.1100-01
58	500.34	4.5432+01	7.6930+00	2.1962-02	7.6930+00	2.1962-02	4.5962-03	2.3222-01	4.1369+05	5.6486-03	1.0880+00
59	539.24	7.5414+01	1.3124+01	3.8496-02	1.3124+01	3.8496-02	8.0565-03	4.0706-01	7.2514+05	9.9195-03	1.3070+00
60	613.22	1.1261+02	2.0521+01	6.3530-02	2.0521+01	6.3530-02	1.3296-02	6.7176-01	1.1967+06	1.6429-02	1.6410+00
61	448.44	4.4358+00	7.1918-01	1.9824-03	7.1918-01	1.9824-03	4.1489-04	2.0962-02	3.7343+04	5.0867-04	3.0090+00
62	439.51	4.1912+00	6.6923-01	1.8339-03	6.6923-01	1.8339-03	3.8380-04	1.9392-02	3.4545+04	4.7037-04	3.3930+00
63	444.53	3.8494+00	6.0554-01	1.6649-03	6.0554-01	1.6649-03	3.4843-04	1.7604-02	3.1361+04	4.2712-04	3.7770+00
64	457.89	1.5214+01	2.5573+00	7.0936-03	2.5573+00	7.0936-03	1.4846-03	7.5007-02	1.3362+05	1.8209-03	1.0880+00
65	466.04	2.3609+01	3.9904+00	1.1129-02	3.9904+00	1.1129-02	2.3292-03	1.1768-01	2.0964+05	2.8580-03	1.3070+00
66	534.09	6.5073+01	1.1490+01	3.3582-02	1.1490+01	3.3582-02	7.0280-03	3.5509-01	6.3257+05	8.6510-03	1.6410+00
69	468.47	1.2418+01	2.1023+00	5.8731-03	2.1023+00	5.8731-03	1.2291-03	6.2102-02	1.1063+05	1.5083-03	4.1100-01
70	449.93	4.5491+00	7.6053-01	2.0985-03	7.6053-01	2.0985-03	4.3918-04	2.2189-02	3.9529+04	5.3849-04	7.1100-01
71	451.28	7.5231+00	1.2552+00	3.4666-03	1.2552+00	3.4666-03	7.2549-04	3.6655-02	6.5299+04	8.8961-04	1.3070+00
72	467.67	1.2950+01	2.1912+00	6.1180-03	2.1912+00	6.1180-03	1.2804-03	6.4692-02	1.1524+05	1.5712-03	1.6410+00
73	458.79	6.0997+00	9.8695-01	2.7393-03	9.8695-01	2.7393-03	5.7329-04	2.8965-02	5.1600+04	7.0321-04	3.7770+00
74	474.50	4.5049+00	7.4782-01	2.0976-03	7.4782-01	2.0976-03	4.3899-04	2.2180-02	3.9512+04	5.3886-04	5.3230+00
77	431.54	3.9013+00	6.3832-01	1.7401-03	6.3832-01	1.7401-03	3.6417-04	1.8399-02	3.2777+04	4.4615-04	3.0090+00
78	428.79	3.3460+00	5.3995-01	1.4693-03	5.3995-01	1.4693-03	3.0749-04	1.5536-02	2.7676+04	3.7667-04	3.3930+00
79	437.12	3.4779+00	5.5442-01	1.5169-03	5.5442-01	1.5169-03	3.1746-04	1.6040-02	2.8573+04	3.8902-04	3.7770+00
80	467.23	4.9569+00	8.4093-01	2.3473-03	8.4093-01	2.3473-03	4.9124-04	2.4820-02	4.4215+04	6.0280-04	2.4660+00
81	433.79	3.2197+00	5.2764-01	1.4405-03	5.2764-01	1.4405-03	3.0146-04	1.5231-02	2.7134+04	3.6937-04	3.0090+00
82	426.22	2.7569+00	4.4541-01	1.2100-03	4.4541-01	1.2100-03	2.5323-04	1.2794-02	2.2792+04	3.1016-04	3.3930+00
83	431.27	2.6634+00	4.2798-01	1.1665-03	4.2798-01	1.1665-03	2.4412-04	1.2334-02	2.1973+04	2.9908-04	3.7770+00
337	559.93	4.5301+01	8.9069+00	2.6521-02	8.9089+00	2.6521-02	5.5504-03	2.8043-01	4.9957+05	6.8406-03	7.1680+00
339	509.86	1.6923+01	3.2961+00	9.4717-03	3.2961+00	9.4717-03	1.9823-03	1.0015-01	1.7842+05	2.4372-03	8.1130+00
340	474.12	3.3366+00	6.2172-01	1.7434-03	6.2172-01	1.7434-03	3.6487-04	1.8435-02	3.2840+04	4.4787-04	8.6180+00
342	552.57	3.9259+01	7.9530+00	2.3551-02	7.9530+00	2.3551-02	4.9287-03	2.4902-01	4.4362+05	6.0723-03	7.1680+00
344	513.96	1.8825+01	3.6954+00	1.0649-02	3.6954+00	1.0649-02	2.2287-03	1.1260-01	2.0060+05	2.7407-03	8.1130+00
347	533.69	2.9050+01	5.6229+00	1.6429-02	5.6229+00	1.6429-02	3.4383-03	1.7372-01	3.0947+05	4.2323-03	7.1680+00
349	508.63	1.7647+01	3.4435+00	9.8866-03	3.4435+00	9.8866-03	2.0691-03	1.0454-01	1.8623+05	2.5438-03	8.1130+00
350	475.09	3.6997+00	6.5119-01	1.8273-03	6.5119-01	1.8273-03	3.8242-04	1.9322-02	3.4420+04	4.6943-04	8.6180+00
352	535.03	2.5742+01	4.8672+00	1.4235-02	4.8672+00	1.4235-02	2.9790-03	1.5051-01	2.6813+05	3.6671-03	7.1680+00
354	516.02	1.6934+01	3.3110+00	9.5552-03	3.3110+00	9.5552-03	1.9997-03	1.0104-01	1.7999+05	2.4594-03	8.1130+00
357	525.02	1.7122+01	3.2085+00	9.3176-03	3.2085+00	9.3176-03	1.9500-03	9.8523-02	1.7551+05	2.3993-03	7.1680+00
359	511.40	8.6904+00	1.5837+00	4.5557-03	1.5837+00	4.5557-03	9.5343-04	4.8172-02	8.5814+04	1.1723-03	8.1130+00
401	515.02	4.0597+01	3.5004+00	1.0095-02	3.5004+00	1.0095-02	2.1127-03	1.0674-01	1.9015+05	2.5982-03	4.5500-01
403	559.22	6.3316+01	5.5428+00	1.6492-02	5.5428+00	1.6492-02	3.4515-03	1.7439-01	3.1066+05	4.2537-03	6.8600-01
404	325.06	-1.9626+01	-1.4686+00	-3.7433-03	-1.4686+00	-3.7433-03	-7.8341-04	-3.9582-02	-7.0512+04	-9.5533-04	8.0100-01
405	630.23	1.0268+02	9.3662+00	2.9352-02	9.3662+00	2.9352-02	6.1428-03	3.1037-01	5.5289+05	7.5973-03	1.0510+00
406	630.68	1.1630+02	1.0668+01	3.3464-02	1.0668+01	3.3464-02	7.0033-03	3.5384-01	6.3034+05	8.6617-03	1.1670+00
407	662.21	1.2758+02	1.2113+01	3.8933-02	1.2113+01	3.8933-02	8.1480-03	4.1168-01	7.3337+05	1.0094-02	1.2830+00
408	563.09	7.2092+01	6.2499+00	1.8648-02	6.2499+00	1.8648-02	3.9027-03	1.9718-01	3.5126+05	4.8106-03	5.1300-01
409	485.07	2.6407+01	2.2203+00	6.2726-03	2.2203+00	6.2726-03	1.3127-03	6.6326-02	1.1815+05	1.6122-03	5.7000-01
410	535.82	5.4029+01	4.5238+00	1.3238-02	4.5238+00	1.3238-02	2.7704-03	1.3997-01	2.4935+05	3.4104-03	6.2800-01
411	486.97	2.6246+01	2.2095+00	6.2502-03	2.2095+00	6.2502-03	1.3081-03	6.6069-02	1.1773+05	1.6066-03	6.8600-01
412	532.54	5.0908+01	4.3851+00	1.2802-02	4.3851+00	1.2802-02	2.6793-03	1.3537-01	2.4115+05	3.2977-03	7.4400-01
413	502.19	3.8787+01	3.3172+00	9.4819-03	3.3172+00	9.4819-03	1.9844-03	1.0026-01	1.7861+05	2.4390-03	8.0100-01
414	567.49	7.8909+01	6.9417+00	2.0778-02	6.9417+00	2.0778-02	4.3485-03	2.1971-01	3.9139+05	5.3613-03	8.5900-01
415	525.56	5.2840+01	4.5591+00	1.3245-02	4.5591+00	1.3245-02	2.7719-03	1.4005-01	2.4949+05	3.4107-03	9.1700-01
416	567.59	6.9243+01	5.6965+00	1.7034-02	5.6965+00	1.7034-02	3.5649-03	1.8012-01	3.2087+05	4.3953-03	5.7000-01
417	609.59	1.0477+02	9.4419+00	2.9151-02	9.4419+00	2.9151-02	6.1007-03	3.0824-01	5.4911+05	7.5373-03	1.0520+00

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37 1 6.98 -5.02 .00 -.00 402 1 3.15 10.18 1642.0 1862.8

9.01161+01 3.36799-02 2.44322+00 4.73526+03 3.13567-05 7.29941-08 1.70655-01 7.72000+00 7.61103-06 7.40391-02

1	487.80	2.7929+01	4.7891+00	1.3558-02	4.7891+00	1.3558-02	2.8381-03	1.4337-01	2.5531+05	3.4829-03	4.1100-01
2	579.49	7.3384+01	1.3314+01	4.0213-02	1.3314+01	4.0213-02	8.4175-03	4.2520-01	7.5721+05	1.0375-02	7.1100-01
3	573.42	6.8862+01	1.2449+01	3.7435-02	1.2449+01	3.7435-02	7.8361-03	3.9584-01	7.0491+05	9.6553-03	1.3070+00
4	625.00	9.1395+01	1.7013+01	5.3155-02	1.7013+01	5.3155-02	1.1127-02	5.6206-01	1.0009+06	1.3745-02	1.6410+00
5	571.35	6.4511+01	1.2194+01	3.6611-02	1.2194+01	3.6611-02	7.6637-03	3.8713-01	6.8940+05	9.4418-03	1.7720+00
6	469.01	4.5938+00	7.6661-01	2.1430-03	7.6661-01	2.1430-03	4.4857-04	2.2659-02	4.0352+04	5.5002-04	2.4660+00
7	441.17	3.1449+00	5.1345-01	1.4089-03	5.1345-01	1.4089-03	2.9492-04	1.4898-02	2.6530+04	3.6117-04	3.0090+00
8	430.52	2.7564+00	4.4269-01	1.2063-03	4.4269-01	1.2063-03	2.5251-04	1.2755-02	2.2715+04	3.0908-04	3.3930+00
9	431.30	2.8265+00	4.5420-01	1.2383-03	4.5420-01	1.2383-03	2.5921-04	1.3094-02	2.3317+04	3.1729-04	3.7770+00
10	463.55	3.9392+00	6.4915-01	1.8080-03	6.4915-01	1.8080-03	3.7845-04	1.9117-02	3.4044+04	4.6393-04	5.3230+00
14	542.82	5.9675+01	1.0593+01	3.1162-02	1.0593+01	3.1162-02	6.5229-03	3.2950-01	5.8678+05	8.0254-03	1.0880+00
15	590.17	8.1206+01	1.4824+01	4.5126-02	1.4824+01	4.5126-02	9.4460-03	4.7716-01	8.4973+05	1.1648-02	1.3070+00
16	638.94	9.8522+01	1.8479+01	5.8352-02	1.8479+01	5.8352-02	1.2215-02	6.1701-01	1.0988+06	1.5099-02	1.6410+00
19	493.04	2.0399+01	3.1916+00	9.0683-03	3.1916+00	9.0683-03	1.8982-03	9.5888-02	1.7076+05	2.3301-03	4.1100-01
20	497.11	3.1491+01	5.1783+00	1.4754-02	5.1783+00	1.4754-02	3.0884-03	1.5601-01	2.7782+05	3.7917-03	7.1100-01
21	558.21	6.7370+01	1.1682+01	3.4745-02	1.1682+01	3.4745-02	7.2730-03	3.6739-01	6.5426+05	8.9549-03	1.0880+00
22	579.59	7.9223+01	1.3996+01	4.2276-02	1.3996+01	4.2276-02	8.8493-03	4.4702-01	7.9606+05	1.0907-02	1.3070+00
23	780.25	3.9481-02	7.6160-03	2.6982-05	7.6160-03	2.6982-05	5.6481-06	2.8531-04	5.0809+02	7.0352-06	1.6410+00
24	462.74	5.4151+00	8.8919-01	2.4752-03	8.8919-01	2.4752-03	5.1812-04	2.6173-02	4.6608+04	6.3511-04	3.0090+00
25	454.89	4.9268+00	7.8539-01	2.1748-03	7.8539-01	2.1748-03	4.5524-04	2.2996-02	4.0952+04	5.5784-04	3.3930+00
26	451.45	4.5335+00	7.2544-01	2.0042-03	7.2544-01	2.0042-03	4.1953-04	2.1192-02	3.7740+04	5.1400-04	3.7770+00
27	558.01	6.0059+01	1.0256+01	3.0498-02	1.0256+01	3.0498-02	6.3841-03	3.2249-01	5.7429+05	7.8603-03	7.1100-01
28	563.29	6.8594+01	1.1931+01	3.5613-02	1.1931+01	3.5613-02	7.4548-03	3.7657-01	6.7061+05	9.1809-03	1.0880+00
29	576.03	7.3694+01	1.3109+01	3.9494-02	1.3109+01	3.9494-02	8.2671-03	4.1761-01	7.4368+05	1.0188-02	1.3070+00
30	625.64	9.6338+01	1.7677+01	5.5257-02	1.7677+01	5.5257-02	1.1567-02	5.8428-01	1.0405+06	1.4288-02	1.6410+00
31	542.34	5.5233+01	9.8020+00	2.8824-02	9.8020+00	2.8824-02	6.0335-03	3.0478-01	5.4276+05	7.4232-03	1.7720+00
32	481.84	8.5979+00	1.4471+00	4.0803-03	1.4471+00	4.0803-03	8.5411-04	4.3145-02	7.6833+04	1.0479-03	2.4660+00
33	458.65	5.6405+00	9.3752-01	2.6026-03	9.3752-01	2.6026-03	5.4479-04	2.7520-02	4.9007+04	6.6768-04	3.0090+00
34	448.67	4.7335+00	7.6987-01	2.1231-03	7.6987-01	2.1231-03	4.4441-04	2.2449-02	3.9978+04	5.4441-04	3.3930+00
35	446.62	4.6873+00	7.2928-01	2.0084-03	7.2928-01	2.0084-03	4.2041-04	2.1237-02	3.7818+04	5.1496-04	3.7770+00
36	577.60	7.0865+01	1.2467+01	3.7604-02	1.2467+01	3.7604-02	7.8714-03	3.9762-01	7.0809+05	9.7007-03	1.3070+00
37	484.78	8.9475+00	1.5267+00	4.3136-03	1.5267+00	4.3136-03	9.0293-04	4.5611-02	8.1225+04	1.1079-03	2.4660+00
38	456.28	5.4457+00	8.9033-01	2.4677-03	8.9033-01	2.4677-03	5.1655-04	2.6093-02	4.6467+04	6.3300-04	3.0090+00
39	443.53	3.8000+00	6.1216-01	1.6824-03	6.1216-01	1.6824-03	3.5217-04	1.7790-02	3.1680+04	4.3132-04	3.3930+00
40	442.36	3.4057+00	5.4323-01	1.4918-03	5.4323-01	1.4918-03	3.1228-04	1.5774-02	2.8091+04	3.8244-04	3.7770+00
41	450.12	3.3501+00	5.2577-01	1.4513-03	5.2577-01	1.4513-03	3.0379-04	1.5346-02	2.7328+04	3.7218-04	4.1620+00
43	468.22	4.4504+00	7.4449-01	2.0800-03	7.4449-01	2.0800-03	4.3540-04	2.1994-02	3.9167+04	5.3385-04	5.3230+00
47	546.07	4.9324+01	8.4397+00	2.4884-02	8.4397+00	2.4884-02	5.2087-03	2.6312-01	4.6856+05	6.4096-03	7.1100-01
48	567.91	6.4316+01	1.1353+01	3.4002-02	1.1353+01	3.4002-02	7.1174-03	3.5953-01	6.4026+05	8.7674-03	1.0880+00
49	609.16	9.3576+01	1.7014+01	5.2529-02	1.7014+01	5.2529-02	1.0996-02	5.5543-01	9.8912+05	1.3572-02	1.3070+00
50	656.59	1.0222+02	1.9184+01	6.1407-02	1.9184+01	6.1407-02	1.2854-02	6.4932-01	1.1563+06	1.5904-02	1.6410+00
51	556.23	5.7183+01	1.0233+01	3.0392-02	1.0233+01	3.0392-02	6.3618-03	3.2136-01	5.7229+05	7.8323-03	1.7720+00
52	479.14	5.8416+00	9.9598-01	2.8032-03	9.9598-01	2.8032-03	5.8678-04	2.9641-02	5.2785+04	7.1982-04	2.4660+00
53	453.17	5.3278+00	8.6920-01	2.4042-03	8.6920-01	2.4042-03	5.0325-04	2.5421-02	4.5271+04	6.1662-04	3.0090+00
54	442.44	4.3013+00	6.8821-01	1.8901-03	6.8821-01	1.8901-03	3.9564-04	1.9985-02	3.5590+04	4.8454-04	3.3930+00
55	442.29	3.5314+00	5.5467-01	1.5232-03	5.5467-01	1.5232-03	3.1884-04	1.6106-02	2.8682+04	3.9048-04	3.7770+00
56	465.73	6.8275+00	1.0593+00	2.9546-03	1.0593+00	2.9546-03	6.1846-04	3.1241-02	5.5635+04	7.5822-04	4.1100-01
57	515.30	3.4921+01	5.8270+00	1.6812-02	5.8270+00	1.6812-02	3.5192-03	1.7777-01	3.1658+05	4.3243-03	7.1100-01
58	522.70	4.3822+01	7.5261+00	2.1827-02	7.5261+00	2.1827-02	4.5689-03	2.3080-01	4.1100+05	5.6160-03	1.0880+00
59	576.08	7.1821+01	1.2776+01	3.8493-02	1.2776+01	3.8493-02	8.0575-03	4.0702-01	7.2482+05	9.9293-03	1.3070+00
60	667.31	1.0360+02	1.9438+01	6.2744-02	1.9438+01	6.2744-02	1.3134-02	6.6345-01	1.1815+06	1.6259-02	1.6410+00
61	450.66	4.1881+00	6.8004-01	1.8778-03	6.8004-01	1.8778-03	3.9307-04	1.9856-02	3.5360+04	4.8157-04	3.0090+00
62	441.58	4.1408+00	6.6214-01	1.8174-03	6.6214-01	1.8174-03	3.8043-04	1.9217-02	3.4223+04	4.6590-04	3.3930+00
63	446.42	3.7709+00	5.9398-01	1.6356-03	5.9398-01	1.6356-03	3.4236-04	1.7294-02	3.0798+04	4.1936-04	3.7770+00
64	465.61	1.5414+01	2.6044+00	7.2637-03	2.6044+00	7.2637-03	1.5205-03	7.6806-02	1.3678+05	1.8641-03	1.0880+00
65	477.86	2.3501+01	4.0036+00	1.1258-02	4.0036+00	1.1258-02	2.3567-03	1.1905-01	2.1200+05	2.8908-03	1.3070+00
66	566.07	6.2642+01	1.1276+01	3.3727-02	1.1276+01	3.3727-02	7.0599-03	3.5663-01	6.3509+05	8.6958-03	1.6410+00
69	474.76	1.2544+01	2.1325+00	5.9844-03	2.1325+00	5.9844-03	1.2527-03	6.3278-02	1.1269+05	1.5364-03	4.1100-01
70	452.12	4.2790+00	7.1644-01	1.9802-03	7.1644-01	1.9802-03	4.1451-04	2.0939-02	3.7288+04	5.0787-04	7.1100-01
71	455.03	7.7205+00	1.2915+00	3.5765-03	1.2915+00	3.5765-03	7.4865-04	3.7818-02	6.7346+04	9.1738-04	1.3070+00
72	474.07	1.2700+01	2.1580+00	6.0531-03	2.1580+00	6.0531-03	1.2671-03	6.4005-02	1.1398+05	1.5540-03	1.6410+00
73	461.82	6.0296+00	9.7760-01	2.7196-03	9.7760-01	2.7196-03	5.6928-04	2.8757-02	5.1211+04	6.9780-04	3.7770+00
74	476.78	4.5704+00	7.5983-01	2.1352-03	7.5983-01	2.1352-03	4.4694-04	2.2577-02	4.0205+04	5.4821-04	5.3230+00
77	433.48	3.9610+00	6.4898-01	1.7719-03	6.4898-01	1.7719-03	3.7089-04	1.8735-02	3.3364+04	4.5405-04	3.0090+00
78	430.45	3.3647+00	5.4360-01	1.4812-03	5.4360-01	1.4812-03	3.1005-04	1.5662-02	2.7892+04	3.7952-04	3.3930+00
79	438.85	3.4062+00	5.4364-01	1.4895-03	5.4364-01	1.4895-03	3.1179-04	1.5750-02	2.8048+04	3.8179-04	3.7770+00
80	469.75	5.0681+00	8.6124-01	2.4087-03	8.6124-01	2.4087-03	5.0420-04	2.5469-02	4.5356+04	6.1824-04	2.4660+00
81	435.45	3.3294+00	5.4623-01	1.4933-03	5.4623-01	1.4933-03	3.1258-04	1.5790-02	2.8118+04	3.8269-04	3.0090+00
82	427.62	2.8343+00	4.5837-01	1.2466-03	4.5837-01	1.2466-03	2.6095-04	1.3182-02	2.3475+04	3.1938-04	3.3930+00
83	432.62	2.6748+00	4.3022-01	1.1739-03	4.3022-01	1.1739-03	2.4573-04	1.2413-02	2.2105+04	3.0082-04	3.7770+00
337	582.38	4.4496+01	8.8666+00	2.6837-02	8.8666+00	2.6837-02	5.6176-03	2.8377-01	5.0534+05	6.9248-03	7.1680+00
339	518.38	1.7084+01	3.3454+00	9.6731-03	3.3454+00	9.6731-03	2.0248-03	1.0228-01	1.8215+05	2.4884-03	8.1130+00
340	475.79	3.3319+00	6.2153-01	1.7454-03	6.2153-01	1.7454-03	3.6535-04	1.8455-02	3.2866+04	4.4811-04	8.6180+00
342	572.16	3.8785+01	7.9286+00	2.3820-02	7.9286+00	2.3820-02	4.9860-03	2.5187-01	4.4853+05	6.1432-03	7.1680+00
344	523.31	1.8639+01	3.6803+00	1.0678-02	3.6803+00	1.0678-02	2.2352-03	1.1291-01	2.0107+05	2.7475-03	8.1130+00
347	548.16	2.8788+01	5.6216+00	1.6599-02	5.6216+00	1.6599-02	3.4747-03	1.7552-01	3.1257+05	4.2761-03	7.1680+00
349	517.44	1.7581+01	3.4497+00	9.9682-03	3.4497+00	9.9682-03	2.0866-03	1.0540-01	1.8770+05	2.5642-03	8.1130+00
350	476.94	3.7340+00	6.5803-01	1.8493-03	6.5803-01	1.8493-03	3.8710-04	1.9554-02	3.4822+04	4.7481-04	8.6180+00
352	547.84	2.5537+01	4.8651+00	1.4365-02	4.8661+00	1.4365-02	3.0070-03	1.5190-01	2.7050+05	3.7005-03	7.1680+00
354	524.42	1.6749+01	3.2921+00	9.5593-03	3.2921+00	9.5593-03	2.0010-03	1.0108-01	1.8000+05	2.4598-03	8.1130+00
357	533.51	1.6923+01	3.1879+00	9.3159-03	3.1879+00	9.3159-03	1.9501-03	9.8506-02	1.7542+05	2.3982-03	7.1680+00
359	515.69	8.4940+00	1.5521+00	4.4794-03	1.5521+00	4.4794-03	9.3766-04	4.7365-02	8.4349+04	1.1522-03	8.1130+00
401	535.18	4.0062+01	3.4979+00	1.0234-02	3.4979+00	1.0234-02	2.1422-03	1.0821-01	1.9270+05	2.6347-03	4.5500-01
403	589.56	5.8231+01	5.1889+00	1.5788-02	5.1889+00	1.5788-02	3.3049-03	1.6695-01	2.9730+05	4.0753-03	6.8600-01
404	319.83	3.4918+02	2.6017+01	6.6122-02	2.6017+01	6.6122-02	1.3841-02	6.9917-01	1.2451+06	1.6861-02	8.0100-01
405	678.68	9.1803+01	8.5856+00	2.7964-02	8.5856+00	2.7964-02	5.8535-03	2.9569-01	5.2656+05	7.2506-03	1.0510+00
406	685.69	1.0417+02	9.8357+00	3.2214-02	9.8357+00	3.2214-02	6.7433-03	3.4063-01	6.0660+05	8.3559-03	1.1670+00
407	722.20	1.1315+02	1.1074+01	3.7357-02	1.1074+01	3.7357-02	7.8197-03	3.9501-01	7.0344+05	9.7087-03	1.2830+00
408	597.99	6.7396+01	5.9622+00	1.8255-02	5.9622+00	1.8255-02	3.8212-03	1.9302-01	3.4374+05	4.7139-03	5.1300-01
409	498.65	2.7712+01	2.3507+00	6.7047-03	2.3507+00	6.7047-03	1.4035-03	7.0895-02	1.2625+05	1.7232-03	5.7000-01
410	562.58	5.3073+01	4.5161+00	1.3474-02	4.5161+00	1.3474-02	2.8204-03	1.4247-01	2.5371+05	3.4733-03	6.2860-01
411	500.74	2.8666+01	2.4349+00	6.9548-03	2.4349+00	6.9548-03	1.4558-03	7.3539-02	1.3096+05	1.7876-03	6.8600-01
412	558.30	5.1510+01	4.5068+00	1.3405-02	4.5068+00	1.3405-02	2.8059-03	1.4174-01	2.5241+05	3.4548-03	7.4400-01
413	521.93	3.9599+01	3.4293+00	9.9401-03	3.4293+00	9.9401-03	2.0807-03	1.0511-01	1.8717+05	2.5575-03	8.0100-01
414	606.21	7.5650+01	6.8050+00	2.0963-02	6.8050+00	2.0963-02	4.3880-03	2.2166-01	3.9473+05	5.4154-03	8.5900-01
415	551.78	5.2470+01	4.6003+00	1.3619-02	4.6003+00	1.3619-02	2.8508-03	1.4401-01	2.5645+05	3.5090-03	9.1700-01
416	601.13	6.4827+01	5.4317+00	1.6669-02	5.4317+00	1.6669-02	3.4893-03	1.7626-01	3.1389+05	4.3052-03	5.7000-01
417	660.38	9.7678+01	9.0487+00	2.9051-02	9.0487+00	2.9051-02	6.0811-03	3.0718-01	5.4704+05	7.5254-03	1.0520+00

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9.02627+01 3.36906-02 2.44401+00 4.73913+03 3.13157-05 7.31128-08 1.70294-01 7.72000+00 7.62495-06 7.40241-02

1	469.28	3.5215+01	5.9650+00	1.6609-02	5.9650+00	1.6609-02	3.4785-03	1.7556-01	3.1219+05	4.2720-03	4.1100-01
2	510.84	1.1408+02	1.9854+01	5.6867-02	1.9854+01	5.6867-02	1.1909-02	6.0109-01	1.0689+06	1.4655-02	7.1100-01
3	490.66	8.8004+01	1.5118+01	4.2708-02	1.5118+01	4.2708-02	8.9443-03	4.5143-01	8.0273+05	1.0996-02	1.3070+00
4	528.99	1.2861+02	2.2637+01	6.5663-02	2.2637+01	6.5663-02	1.3752-02	6.9407-01	1.2342+06	1.6937-02	1.6410+00
5	519.04	7.9282+01	1.4518+01	4.1820-02	1.4518+01	4.1820-02	8.7582-03	4.4204-01	7.8603+05	1.0782-02	1.7720+00
6	485.99	5.1455+00	8.6837-01	2.4453-03	8.6837-01	2.4453-03	5.1212-04	2.5848-02	4.5962+04	6.2944-04	2.4660+00
7	452.92	3.3486+00	5.5113-01	1.5180-03	5.5113-01	1.5180-03	3.1791-04	1.6045-02	2.8532+04	3.9014-04	3.0090+00
8	442.26	4.4317+00	7.1761-01	1.9627-03	7.1761-01	1.9627-03	4.1104-04	2.0746-02	3.6890+04	5.0418-04	3.3930+00
9	440.79	5.6519+00	9.1427-01	2.4981-03	9.1427-01	2.4981-03	5.2318-04	2.6406-02	4.6954+04	6.4169-04	3.7770+00
10	467.28	7.3288+00	1.2107+00	3.3668-03	1.2107+00	3.3668-03	7.0510-04	3.5588-02	6.3282+04	8.6588-04	5.3230+00
14	483.15	7.8662+01	1.3447+01	3.7795-02	1.3447+01	3.7795-02	7.9153-03	3.9950-01	7.1038+05	9.7273-03	1.0880+00
15	485.65	8.8049+01	1.5077+01	4.2446-02	1.5077+01	4.2446-02	8.8894-03	4.4866-01	7.9781+05	1.0926-02	1.3070+00
16	515.59	1.0735+02	1.8738+01	5.3848-02	1.8738+01	5.3848-02	1.1277-02	5.6918-01	1.0121+06	1.3880-02	1.6410+00
19	471.43	2.3535+01	3.6304+00	1.0123-02	3.6304+00	1.0123-02	2.1201-03	1.0701-01	1.9028+05	2.6040-03	4.1100-01
20	467.86	2.8887+01	4.6598+00	1.2963-02	4.6598+00	1.2963-02	2.7148-03	1.3702-01	2.4364+05	3.3339-03	7.1100-01
21	479.92	8.0285+01	1.3255+01	3.7174-02	1.3255+01	3.7174-02	7.7852-03	3.9293-01	6.9871+05	9.5660-03	1.0880+00
22	471.59	7.7459+01	1.2795+01	3.5682-02	1.2795+01	3.5682-02	7.4729-03	3.7717-01	6.7068+05	9.1787-03	1.3070+00
23	791.75	3.6468-01	7.0712-02	2.5173-04	7.0712-02	2.5173-04	5.2719-05	2.6608-03	4.7314+03	6.5851-05	1.6410+00
24	468.72	3.8577+00	6.3600-01	1.7703-03	6.3600-01	1.7703-03	3.7075-04	1.8712-02	3.3274+04	4.5531-04	3.0090+00
25	458.43	3.1382+00	5.0147-01	1.3863-03	5.0147-01	1.3863-03	2.9032-04	1.4653-02	2.6056+04	3.5637-04	3.3930+00
26	452.68	2.5953+00	4.1565-01	1.1446-03	4.1565-01	1.1446-03	2.3972-04	1.2099-02	2.1514+04	2.9418-04	3.7770+00
27	465.23	2.9349+01	4.7258+00	1.3123-02	4.7258+00	1.3123-02	2.7484-03	1.3872-01	2.4666+05	3.3748-03	7.1100-01
28	471.02	6.8633+01	1.1265+01	3.1403-02	1.1265+01	3.1403-02	6.5766-03	3.3193-01	5.9024+05	8.0776-03	1.0880+00
29	470.80	6.7244+01	1.1202+01	3.1223-02	1.1202+01	3.1223-02	6.5389-03	3.3003-01	5.8686+05	8.0312-03	1.3070+00
30	494.43	7.7474+01	1.3147+01	3.7234-02	1.3147+01	3.7234-02	7.7979-03	3.9357-01	6.9985+05	9.5882-03	1.6410+00
31	498.04	4.5865+01	7.9168+00	2.2477-02	7.9168+00	2.2477-02	4.7074-03	2.3759-01	4.2248+05	5.7891-03	1.7720+00
32	496.55	9.4940+00	1.6133+00	4.5757-03	1.6133+00	4.5757-03	9.5828-04	4.8366-02	8.6004+04	1.1784-03	2.4660+00
33	465.66	5.4384+00	9.0822-01	2.5228-03	9.0822-01	2.5228-03	5.2835-04	2.6667-02	4.7418+04	6.4877-04	3.0090+00
34	452.25	3.2525+00	5.3029-01	1.4599-03	5.3029-01	1.4599-03	3.0575-04	1.5432-02	2.7441+04	3.7521-04	3.3930+00
35	447.53	2.8847+00	4.4910-01	1.2326-03	4.4910-01	1.2326-03	2.5813-04	1.3028-02	2.3167+04	3.1670-04	3.7770+00
36	470.71	6.7068+01	1.1039+01	3.0767-02	1.1039+01	3.0767-02	6.4434-03	3.2521-01	5.7828+05	7.9139-03	1.3070+00
37	496.67	8.4182+00	1.4476+00	4.1060-03	1.4476+00	4.1060-03	8.5992-04	4.3402-02	7.7176+04	1.0575-03	2.4660+00
38	463.90	7.8977+00	1.2979+00	3.6009-03	1.2979+00	3.6009-03	7.5413-04	3.8062-02	6.7682+04	9.2594-04	3.0090+00
39	448.52	5.3382+00	8.6292-01	2.3699-03	8.6292-01	2.3699-03	4.9631-04	2.5050-02	4.4543+04	6.0895-04	3.3930+00
40	445.10	3.5060+00	5.6028-01	1.5353-03	5.6028-01	1.5353-03	3.2152-04	1.6228-02	2.8856+04	3.9443-04	3.7770+00
41	449.36	2.2249+00	3.4900-01	9.5899-04	3.4900-01	9.5899-04	2.0084-04	1.0137-02	1.8025+04	2.4643-04	4.1620+00
43	465.75	2.6468+00	4.4203-01	1.2279-03	4.4203-01	1.2279-03	2.5716-04	1.2979-02	2.3080+04	3.1578-04	5.3230+00
47	475.77	4.6425+01	7.5976+00	2.1248-02	7.5976+00	2.1248-02	4.4499-03	2.2459-01	3.9937+05	5.4667-03	7.1100-01
48	480.58	6.0340+01	1.0087+01	2.8301-02	1.0087+01	2.8301-02	5.9270-03	2.9914-01	5.3193+05	7.2829-03	1.0880+00
49	467.26	6.2027+01	1.0339+01	2.8750-02	1.0339+01	2.8750-02	6.0210-03	3.0389-01	5.4038+05	7.3939-03	1.3070+00
50	505.03	6.9794+01	1.1995+01	3.4221-02	1.1995+01	3.4221-02	7.1667-03	3.6172-01	6.4320+05	8.8165-03	1.6410+00
51	507.34	4.0327+01	7.0025+00	2.0009-02	7.0025+00	2.0009-02	4.1904-03	2.1150-01	3.7608+05	5.1556-03	1.7720+00
52	492.93	6.8119+00	1.1719+00	3.3158-03	1.1719+00	3.3158-03	6.9442-04	3.5049-02	6.2323+04	8.5379-04	2.4660+00
53	458.86	6.5117+00	1.0665+00	2.9490-03	1.0665+00	2.9490-03	6.1760-04	3.1171-02	5.5428+04	7.5812-04	3.0090+00
54	446.66	5.7013+00	9.1487-01	2.5095-03	9.1487-01	2.5095-03	5.2555-04	2.6525-02	4.7167+04	6.4477-04	3.3930+00
55	444.33	4.3247+00	6.8022-01	1.8630-03	6.8022-01	1.8630-03	3.9016-04	1.9692-02	3.5016+04	4.7861-04	3.7770+00
56	457.66	1.2385+01	1.9112+00	5.2805-03	1.9112+00	5.2805-03	1.1059-03	5.5816-02	9.9252+04	1.3574-03	4.1100-01
57	472.07	3.8178+01	6.1948+00	1.7281-02	6.1948+00	1.7281-02	3.6192-03	1.8267-01	3.2482+05	4.4455-03	7.1100-01
58	461.33	4.0986+01	6.7642+00	1.8735-02	6.7642+00	1.8735-02	3.9237-03	1.9803-01	3.5214+05	4.8170-03	1.0880+00
59	458.24	3.7926+01	6.2647+00	1.7316-02	6.2647+00	1.7316-02	3.6264-03	1.8303-01	3.2547+05	4.4515-03	1.3070+00
60	490.39	4.3887+01	7.4278+00	2.0979-02	7.4278+00	2.0979-02	4.3936-03	2.2176-01	3.9432+05	5.4013-03	1.6410+00
61	457.69	3.9881+00	6.5067-01	1.7978-03	6.5067-01	1.7978-03	3.7652-04	1.9003-02	3.3792+04	4.6216-04	3.0090+00
62	445.73	4.4327+00	7.1085-01	1.9486-03	7.1085-01	1.9486-03	4.0810-04	2.0598-02	3.6626+04	5.0066-04	3.3930+00
63	447.85	3.7886+00	5.9734-01	1.6398-03	5.9734-01	1.6398-03	3.4341-04	1.7333-02	3.0821+04	4.2134-04	3.7770+00
64	448.03	1.8310+01	3.0571+00	8.3930-03	3.0571+00	8.3930-03	1.7577-03	8.8716-02	1.5775+05	2.1566-03	1.0880+00
65	447.81	2.1132+01	3.5278+00	9.6839-03	3.5278+00	9.6839-03	2.0281-03	1.0236-01	1.8202+05	2.4883-03	1.3070+00
66	480.45	3.2103+01	5.4783+00	1.5369-02	5.4783+00	1.5369-02	3.2187-03	1.6246-01	2.8888+05	3.9551-03	1.6410+00
69	458.77	1.5821+01	2.6610+00	7.3579-03	2.6610+00	7.3579-03	1.5409-03	7.7774-02	1.3830+05	1.8916-03	4.1100-01
70	448.77	5.5548+00	9.2794-01	2.5488-03	9.2794-01	2.5488-03	5.3380-04	2.6942-02	4.7907+04	6.5495-04	7.1100-01
71	447.01	9.8862+00	1.6447+00	4.5124-03	1.6447+00	4.5124-03	9.4501-04	4.7696-02	8.4813+04	1.1594-03	1.3070+00
72	461.15	1.2769+01	2.1511+00	5.9572-03	2.1511+00	5.9572-03	1.2476-03	6.2969-02	1.1197+05	1.5317-03	1.6410+00
73	458.48	7.3465+00	1.1884+00	3.2854-03	1.1884+00	3.2854-03	6.8805-04	3.4727-02	6.1752+04	8.4460-04	3.7770+00
74	475.94	5.4566+00	9.0667-01	2.5359-03	9.0667-01	2.5359-03	5.3109-04	2.6805-02	4.7664+04	6.5245-04	5.3230+00
77	445.30	3.8748+00	6.4008-01	1.7542-03	6.4008-01	1.7542-03	3.6737-04	1.8542-02	3.2971+04	4.5068-04	3.0090+00
78	437.30	4.8608+00	7.8909-01	2.1512-03	7.8909-01	2.1512-03	4.5052-04	2.2738-02	4.0433+04	5.5248-04	3.3930+00
79	440.62	5.3018+00	8.4723-01	2.3147-03	8.4723-01	2.3147-03	4.8476-04	2.4467-02	4.3507+04	5.9457-04	3.7770+00
80	489.41	4.9226+00	8.4744-01	2.3919-03	8.4744-01	2.3919-03	5.0093-04	2.5283-02	4.4958+04	6.1579-04	2.4660+00
81	447.87	3.7309+00	6.1740-01	1.6948-03	6.1740-01	1.6948-03	3.5495-04	1.7915-02	3.1856+04	4.3549-04	3.0090+00
82	438.26	4.3164+00	7.0327-01	1.9184-03	7.0327-01	1.9184-03	4.0177-04	2.0278-02	3.6058+04	4.9272-04	3.3930+00
83	438.56	5.2629+00	8.5061-01	2.3192-03	8.5061-01	2.3192-03	4.8570-04	2.4514-02	4.3591+04	5.9566-04	3.7770+00
337	579.75	4.6464+01	9.2446+00	2.7804-02	9.2446+00	2.7804-02	5.8230-03	2.9390-01	5.2261+05	7.1897-03	1.7680+00
339	550.02	2.6590+01	5.3091+00	1.5630-02	5.3091+00	1.5630-02	3.2733-03	1.6521-01	2.9377+05	4.0356-03	8.1130+00
340	492.05	7.7912+00	1.4689+00	4.1535-03	1.4689+00	4.1535-03	8.6986-04	4.3903-02	7.8069+04	1.0694-03	8.6180+00
342	580.96	4.2843+01	8.8032+00	2.6500-02	8.8032+00	2.6500-02	5.5498-03	2.8011-01	4.9809+05	6.8528-03	7.1680+00
344	549.99	2.1587+01	4.3327+00	1.2755-02	4.3327+00	1.2755-02	2.6713-03	1.3462-01	2.3974+05	3.2933-03	8.1130+00
347	542.10	1.9663+01	3.8256+00	1.1200-02	3.8256+00	1.1200-02	2.3455-03	1.1838-01	2.1051+05	2.8906-03	7.1680+00
349	528.91	1.6421+01	3.2452+00	9.4128-03	3.2452+00	9.4128-03	1.9713-03	9.9495-02	1.7692+05	2.4279-03	8.1130+00
350	484.81	3.2384+00	5.7366-01	1.6141-03	5.7366-01	1.6141-03	3.3804-04	1.7062-02	3.0339+04	4.1547-04	8.6180+00
352	527.28	1.0380+01	1.9533+00	5.6589-03	1.9533+00	5.6589-03	1.1851-03	5.9815-02	1.0636+05	1.4595-03	7.1680+00
354	527.85	8.5018+00	1.6747+00	4.8538-03	1.6747+00	4.8538-03	1.0165-03	5.1305-02	9.1231+04	1.2519-03	8.1130+00
357	522.96	1.8059+01	3.3797+00	9.7622-03	3.3797+00	9.7622-03	2.0445-03	1.0319-01	1.8349+05	2.5173-03	7.1680+00
359	517.36	8.6166+00	1.5762+00	4.5350-03	1.5762+00	4.5350-03	9.4974-04	4.7935-02	8.5238+04	1.1691-03	8.1130+00
401	501.19	6.0526+01	5.1731+00	1.4719-02	5.1731+00	1.4719-02	3.0826-03	1.5558-01	2.7666+05	3.7915-03	4.5500-01
403	491.42	4.5595+01	3.8267+00	1.0816-02	3.8267+00	1.0816-02	2.2651-03	1.1432-01	2.0329+05	2.7847-03	6.8600-01
404	3076.88	-6.3839+02	2.1316+02	1.8876-01	2.1316+02	1.8876-01	3.9532-02	1.9952+00	3.5479+06	4.3129-02	8.0100-01
405	530.03	1.0091+02	8.6789+00	2.5193-02	8.6789+00	2.5193-02	5.2760-03	2.6629-01	4.7351+05	6.4984-03	1.0510+00
406	532.89	1.2445+02	1.0787+01	3.1374-02	1.0787+01	3.1374-02	6.5706-03	3.3163-01	5.8970+05	8.0939-03	1.1670+00
407	540.17	1.3346+02	1.1826+01	3.4574-02	1.1826+01	3.4574-02	7.2408-03	3.6546-01	6.4985+05	8.9227-03	1.2830+00
408	504.12	7.3991+01	6.1859+00	1.7636-02	6.1859+00	1.7636-02	3.6935-03	1.8642-01	3.3149+05	4.5436-03	5.1300-01
409	464.43	1.9702+01	1.6341+00	4.5353-03	1.6341+00	4.5353-03	9.4981-04	4.7939-02	8.5244+04	1.1662-03	5.7000-01
410	511.81	7.7697+01	6.4088+00	1.8369-02	6.4088+00	1.8369-02	3.8470-03	1.9416-01	3.4526+05	4.7341-03	6.2800-01
411	467.26	2.2820+01	1.8962+00	5.2728-03	1.8962+00	5.2728-03	1.1043-03	5.5735-02	9.9107+04	1.3561-03	6.8600-01
412	505.72	6.5591+01	5.5558+00	1.5857-02	5.5558+00	1.5857-02	3.3209-03	1.6761-01	2.9805+05	4.0855-03	7.4400-01
413	474.29	3.3804+01	2.8389+00	7.9315-03	2.8389+00	7.9315-03	1.6611-03	8.3837-02	1.4908+05	2.0405-03	8.0100-01
414	514.37	8.1537+01	6.9444+00	1.9939-02	6.9444+00	1.9939-02	4.1758-03	2.1076-01	3.7477+05	5.1394-03	8.5900-01
415	481.48	4.4551+01	3.7371+00	1.0492-02	3.7371+00	1.0492-02	2.1972-03	1.1090-01	1.9720+05	2.7000-03	9.1700-01
416	534.92	1.0134+02	8.1662+00	2.3786-02	8.1662+00	2.3786-02	4.9814-03	2.5142-01	4.4707+05	6.1370-03	5.7000-01
417	538.07	1.1462+02	9.9069+00	2.8920-02	9.9069+00	2.8920-02	6.0567-03	3.0569-01	5.4358+05	7.4628-03	1.0520+00

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9.03361+01 3.36857-02 2.44365+00 4.74105+03 3.12857-05 7.31722-08 1.70062-01 7.72000+00 7.63193-06 7.40166-02

1	478.69	3.9179+01	6.6781+00	1.8703-02	6.6781+00	1.8703-02	3.9190-03	1.9769-01	3.5121+05	4.8104-03	4.1100-01
2	539.16	1.1021+02	1.9521+01	5.6997-02	1.9521+01	5.6997-02	1.1943-02	6.0246-01	1.0703+06	1.4702-02	7.1100-01
3	512.29	8.5677+01	1.4924+01	4.2765-02	1.4924+01	4.2765-02	8.9611-03	4.5203-01	8.0307+05	1.1017-02	1.3070+00
4	560.76	1.2461+02	2.2360+01	6.6297-02	2.2360+01	6.6297-02	1.3892-02	7.0077-01	1.2450+06	1.7119-02	1.6410+00
5	539.26	8.0016+01	1.4837+01	4.3322-02	1.4837+01	4.3322-02	9.0779-03	4.5793-01	8.1353+05	1.1175-02	1.7720+00
6	487.29	5.2509+00	8.8692-01	2.4984-03	8.8692-01	2.4984-03	5.2352-04	2.6408-02	4.6916+04	6.4285-04	2.4660+00
7	453.81	3.6125+00	5.9492-01	1.6387-03	5.9492-01	1.6387-03	3.4338-04	1.7321-02	3.0772+04	4.2099-04	3.0090+00
8	443.32	4.3761+00	7.0913-01	1.9398-03	7.0913-01	1.9398-03	4.0647-04	2.0504-02	3.6427+04	4.9810-04	3.3930+00
9	442.14	5.5621+00	9.0057-01	2.4616-03	9.0057-01	2.4616-03	5.1581-04	2.6019-02	4.6225+04	6.3206-04	3.7770+00
10	469.06	7.1610+00	1.1844+00	3.2958-03	1.1844+00	3.2958-03	6.9060-04	3.4837-02	6.1890+04	8.4730-04	5.3230+00
14	502.72	7.7245+01	1.3374+01	3.8071-02	1.3374+01	3.8071-02	7.9775-03	4.0242-01	7.1492+05	9.8029-03	1.0880+00
15	507.45	8.5983+01	1.4931+01	4.2644-02	1.4931+01	4.2644-02	8.9357-03	4.5075-01	8.0079+05	1.0983-02	1.3070+00
16	541.95	1.0425+02	1.8497+01	5.4112-02	1.8497+01	5.4112-02	1.1339-02	5.7148-01	1.0162+06	1.3960-02	1.6410+00
19	477.41	2.3831+01	3.6907+00	1.0327-02	3.6907+00	1.0327-02	2.1640-03	1.0916-01	1.9393+05	2.6560-03	4.1100-01
20	475.04	2.9208+01	4.7341+00	1.3226-02	4.7341+00	1.3226-02	2.7714-03	1.3980-01	2.4836+05	3.4011-03	7.1100-01
21	499.86	7.8357+01	1.3106+01	3.7235-02	1.3106+01	3.7235-02	7.8024-03	3.9358-01	6.9922+05	9.5864-03	1.0880+00
22	490.75	7.5470+01	1.2624+01	3.5646-02	1.2624+01	3.5646-02	7.4694-03	3.7678-01	6.6938+05	9.1733-03	1.3070+00
23	791.85	2.4363-01	4.7243-02	1.6808-04	4.7243-02	1.6808-04	3.5220-05	1.7766-03	3.1563+03	4.3943-05	1.6410+00
24	469.70	3.9231+00	6.4722-01	1.8017-03	6.4722-01	1.8017-03	3.7753-04	1.9044-02	3.3833+04	4.6321-04	3.0090+00
25	459.20	3.1844+00	5.0912-01	1.4074-03	5.0912-01	1.4074-03	2.9491-04	1.4876-02	2.6429+04	3.6165-04	3.3930+00
26	453.36	2.7694+00	4.4372-01	1.2219-03	4.4372-01	1.2219-03	2.5603-04	1.2915-02	2.2945+04	3.1390-04	3.7770+00
27	472.58	2.9688+01	4.8041+00	1.3399-02	4.8041+00	1.3399-02	2.8077-03	1.4163-01	2.5162+05	3.4453-03	7.1100-01
28	488.12	6.7512+01	1.1206+01	3.1585-02	1.1206+01	3.1585-02	6.6184-03	3.3386-01	5.9312+05	8.1272-03	1.0880+00
29	487.53	6.6261+01	1.1160+01	3.1443-02	1.1160+01	3.1443-02	6.5888-03	3.3236-01	5.9046+05	8.0906-03	1.3070+00
30	513.58	7.5848+01	1.3029+01	3.7369-02	1.3029+01	3.7369-02	7.8305-03	3.9500-01	7.0174+05	9.6272-03	1.6410+00
31	509.57	4.5963+01	7.9925+00	2.2860-02	7.9925+00	2.2860-02	4.7901-03	2.4163-01	4.2928+05	5.8881-03	1.7720+00
32	498.95	9.6426+00	1.6411+00	4.6596-03	1.6411+00	4.6596-03	9.7638-04	4.9253-02	8.7500+04	1.1996-03	2.4660+00
33	467.03	5.5538+00	9.2833-01	2.5796-03	9.2833-01	2.5796-03	5.4055-04	2.7267-02	4.8442+04	6.6313-04	3.0090+00
34	453.04	3.4265+00	5.5897-01	1.5389-03	5.5897-01	1.5389-03	3.2246-04	1.6266-02	2.8898+04	3.9533-04	3.3930+00
35	448.22	2.8826+00	4.4899-01	1.2322-03	4.4899-01	1.2322-03	2.5819-04	1.3024-02	2.3138+04	3.1647-04	3.7770+00
36	487.37	6.5829+01	1.0955+01	3.0860-02	1.0955+01	3.0860-02	6.4665-03	3.2620-01	5.7951+05	7.9405-03	1.3070+00
37	498.77	8.4400+00	1.4533+00	4.1259-03	1.4533+00	4.1259-03	8.6455-04	4.3611-02	7.7478+04	1.0622-03	2.4660+00
38	465.92	8.0197+00	1.3197+00	3.6645-03	1.3197+00	3.6645-03	7.6787-04	3.8734-02	6.8814+04	9.4195-04	3.0090+00
39	449.97	5.5397+00	8.9639-01	2.4628-03	8.9639-01	2.4628-03	5.1606-04	2.6032-02	4.6248+04	6.3260-04	3.3930+00
40	445.99	3.5200+00	5.6287-01	1.5424-03	5.6287-01	1.5424-03	3.2320-04	1.6304-02	2.8965+04	3.9612-04	3.7770+00
41	449.91	2.2244+00	3.4905-01	9.5895-04	3.4905-01	9.5895-04	2.0094-04	1.0136-02	1.8008+04	2.4632-04	4.1620+00
43	466.41	2.6281+00	4.3911-01	1.2197-03	4.3911-01	1.2197-03	2.5558-04	1.2892-02	2.2904+04	3.1353-04	5.3230+00
47	487.47	4.6745+01	7.7091+00	2.1719-02	7.7091+00	2.1719-02	4.5510-03	2.2957-01	4.0785+05	5.5884-03	7.1100-01
48	495.44	5.8396+01	9.8571+00	2.7921-02	9.8571+00	2.7921-02	5.8507-03	2.9513-01	5.2432+05	7.1870-03	1.0880+00
49	482.66	6.0911+01	1.0257+01	2.8803-02	1.0257+01	2.8803-02	6.0355-03	3.0446-01	5.4089+05	7.4096-03	1.3070+00
50	522.23	6.8077+01	1.1828+01	3.4127-02	1.1828+01	3.4127-02	7.1511-03	3.6073-01	6.4086+05	8.7956-03	1.6410+00
51	517.44	4.0286+01	7.0402+00	2.0246-02	7.0402+00	2.0246-02	4.2424-03	2.1400-01	3.8019+05	5.2168-03	1.7720+00
52	494.63	6.8556+00	1.1808+00	3.3427-03	1.1808+00	3.3427-03	7.0045-04	3.5333-02	6.2772+04	8.6040-04	2.4660+00
53	460.50	6.5979+00	1.0818+00	2.9930-03	1.0818+00	2.9930-03	6.2716-04	3.1636-02	5.6204+04	7.6915-04	3.0090+00
54	448.07	5.7382+00	9.2169-01	2.5292-03	9.2169-01	2.5292-03	5.2997-04	2.6734-02	4.7494+04	6.4959-04	3.3930+00
55	445.41	4.3932+00	6.9152-01	1.8942-03	6.9152-01	1.8942-03	3.9693-04	2.0023-02	3.5571+04	4.8646-04	3.7770+00
56	460.93	1.3808+01	2.1354+00	5.9098-03	2.1354+00	5.9098-03	1.2384-03	6.2468-02	1.1098+05	1.5188-03	4.1100-01
57	481.71	3.8314+01	6.2566+00	1.7558-02	6.2566+00	1.7558-02	3.6792-03	1.8559-01	3.2972+05	4.5166-03	7.1100-01
58	471.51	4.0420+01	6.7165+00	1.8720-02	6.7165+00	1.8720-02	3.9226-03	1.9787-01	3.5153+05	4.8132-03	1.0880+00
59	467.66	3.7597+01	6.2500+00	1.7375-02	6.2500+00	1.7375-02	3.6408-03	1.8365-01	3.2627+05	4.4665-03	1.3070+00
60	501.31	4.3421+01	7.4010+00	2.1048-02	7.4010+00	2.1048-02	4.4106-03	2.2249-01	3.9526+05	5.4194-03	1.6410+00
61	458.67	3.9709+00	6.4831-01	1.7915-03	6.4831-01	1.7915-03	3.7540-04	1.8936-02	3.3642+04	4.6035-04	3.0090+00
62	446.83	4.4577+00	7.1539-01	1.9615-03	7.1539-01	1.9615-03	4.1101-04	2.0733-02	3.6833+04	5.0375-04	3.3930+00
63	448.79	3.7808+00	5.9650-01	1.6376-03	5.9650-01	1.6376-03	3.4315-04	1.7310-02	3.0752+04	4.2061-04	3.7770+00
64	452.63	1.8715+01	3.1346+00	8.6274-03	3.1346+00	8.6274-03	1.8078-03	9.1193-02	1.6201+05	2.2163-03	1.0880+00
65	453.07	2.1309+01	3.5702+00	9.8292-03	3.5702+00	9.8292-03	2.0596-03	1.0390-01	1.8458+05	2.5251-03	1.3070+00
66	488.46	3.2063+01	5.5003+00	1.5506-02	5.5003+00	1.5506-02	3.2492-03	1.6390-01	2.9119+05	3.9900-03	1.6410+00
69	463.01	1.7457+01	2.9445+00	8.1602-03	2.9445+00	8.1602-03	1.7099-03	8.6255-02	1.5324+05	2.0973-03	4.1100-01
70	450.20	5.3610+00	8.9644-01	2.4633-03	8.9644-01	2.4633-03	5.1617-04	2.6038-02	4.6258+04	6.3274-04	7.1100-01
71	449.47	9.5693+00	1.5947+00	4.3798-03	1.5947+00	4.3798-03	9.1776-04	4.6295-02	8.2247+04	1.1250-03	1.3070+00
72	464.31	1.2660+01	2.1373+00	5.9284-03	2.1373+00	5.9284-03	1.2423-03	6.2665-02	1.1133+05	1.5238-03	1.6410+00
73	460.36	7.4255+00	1.2027+00	3.3273-03	1.2027+00	3.3273-03	6.9722-04	3.5170-02	6.2482+04	8.5506-04	3.7770+00
74	477.29	5.4821+00	9.1171-01	2.5510-03	9.1171-01	2.5510-03	5.3454-04	2.6964-02	4.7903+04	6.5607-04	5.3230+00
77	446.26	3.9517+00	6.5321-01	1.7903-03	6.5321-01	1.7903-03	3.7515-04	1.8924-02	3.3620+04	4.5978-04	3.0090+00
78	438.50	4.7184+00	7.6662-01	2.0905-03	7.6662-01	2.0905-03	4.3804-04	2.2097-02	3.9256+04	5.3668-04	3.3930+00
79	441.96	5.3371+00	8.5367-01	2.3331-03	8.5367-01	2.3331-03	4.8889-04	2.4661-02	4.3812+04	5.9906-04	3.7770+00
80	490.63	5.0525+00	8.7049-01	2.4577-03	8.7049-01	2.4577-03	5.1499-04	2.5978-02	4.6152+04	6.3247-04	2.4660+00
81	448.80	3.8099+00	6.3087-01	1.7320-03	6.3087-01	1.7320-03	3.6292-04	1.8307-02	3.2524+04	4.4485-04	3.0090+00
82	439.32	4.2883+00	6.9922-01	1.9077-03	6.9922-01	1.9077-03	3.9974-04	2.0164-02	3.5823+04	4.8977-04	3.3930+00
83	439.87	5.2306+00	8.4558-01	2.3078-03	8.4558-01	2.3078-03	4.8359-04	2.4394-02	4.3338+04	5.9251-04	3.7770+00
337	591.32	4.6144+01	9.2424+00	2.8017-02	9.2424+00	2.8017-02	5.8708-03	2.9615-01	5.2612+05	7.2453-03	7.1680+00
339	556.70	2.6809+01	5.3744+00	1.5889-02	5.3744+00	1.5889-02	3.3293-03	1.6794-01	2.9836+05	4.1018-03	8.1130+00
340	493.99	7.7995+00	1.4723+00	4.1664-03	1.4723+00	4.1664-03	8.7304-04	4.4040-02	7.8239+04	1.0724-03	8.6180+00
342	591.70	4.2646+01	8.8171+00	2.6735-02	8.8171+00	2.6735-02	5.6022-03	2.8260-01	5.0205+05	6.9139-03	7.1680+00
344	555.38	2.1509+01	4.3309+00	1.2791-02	4.3309+00	1.2791-02	2.6804-03	1.3521-01	2.4021+05	3.3020-03	8.1130+00
347	547.03	1.9605+01	3.8258+00	1.1233-02	3.8258+00	1.1233-02	2.3538-03	1.1873-01	2.1094+05	2.8985-03	7.1680+00
349	533.06	1.6529+01	3.2749+00	9.5210-03	3.2749+00	9.5210-03	1.9951-03	1.0064-01	1.7879+05	2.4551-03	8.1130+00
350	485.63	3.3107+00	5.8677-01	1.6510-03	5.8677-01	1.6510-03	3.4596-04	1.7452-02	3.1004+04	4.2478-04	8.6180+00
352	529.88	1.0434+01	1.9666+00	5.7047-03	1.9666+00	5.7047-03	1.1954-03	6.0299-02	1.0713+05	1.4708-03	7.1680+00
354	529.86	8.1678+00	1.6109+00	4.6728-03	1.6109+00	4.6728-03	9.7916-04	4.9393-02	8.7749+04	1.2048-03	8.1130+00
357	527.44	1.7979+01	3.3741+00	9.7710-03	3.3741+00	9.7710-03	2.0475-03	1.0328-01	1.8349+05	2.5189-03	7.1680+00
359	519.40	8.3704+00	1.5331+00	4.4148-03	1.5331+00	4.4148-03	9.2510-04	4.6665-02	8.2904+04	1.1377-03	8.1130+00
401	516.22	5.9497+01	5.1339+00	1.4752-02	5.1339+00	1.4752-02	3.0911-03	1.5593-01	2.7701+05	3.8008-03	4.5500-01
403	502.89	4.6082+01	3.8962+00	1.1093-02	3.8962+00	1.1093-02	2.3244-03	1.1725-01	2.0831+05	2.8563-03	6.8600-01
404	3197.58	-7.2242+02	2.5707+02	2.2300-01	2.5707+02	2.2300-01	4.6729-02	2.3572+00	4.1877+06	5.0759-02	8.0100-01
405	554.86	9.7499+01	8.5130+00	2.5134-02	8.5130+00	2.5134-02	5.2667-03	2.6567-01	4.7199+05	6.4881-03	1.0510+00
406	563.21	1.1750+02	1.0372+01	3.0807-02	1.0372+01	3.0807-02	6.4554-03	3.2563-01	5.7851+05	7.9556-03	1.1670+00
407	572.42	1.2460+02	1.1256+01	3.3656-02	1.1256+01	3.3656-02	7.0523-03	3.5575-01	6.3201+05	8.6952-03	1.2830+00
408	522.83	7.4394+01	6.2934+00	1.8166-02	6.2934+00	1.8166-02	3.8066-03	1.9202-01	3.4114+05	4.6821-03	5.1300-01
409	469.63	2.1673+01	1.8038+00	5.0211-03	1.8038+00	5.0211-03	1.0521-03	5.3074-02	9.4289+04	1.2909-03	5.7000-01
410	531.15	7.6030+01	6.3476+00	1.8430-02	6.3476+00	1.8430-02	3.8618-03	1.9480-01	3.4608+05	4.7519-03	6.2800-01
411	473.31	2.4944+01	2.0812+00	5.8074-03	2.0812+00	5.8074-03	1.2169-03	6.1386-02	1.0906+05	1.4933-03	6.8600-01
412	522.07	6.4389+01	5.5105+00	1.5898-02	5.5105+00	1.5898-02	3.3313-03	1.6804-01	2.9854+05	4.0973-03	7.4400-01
413	482.97	3.4894+01	2.9473+00	8.2782-03	2.9473+00	8.2782-03	1.7346-03	8.7502-02	1.5545+05	2.1296-03	8.0100-01
414	534.65	8.0023+01	6.9021+00	2.0089-02	6.9021+00	2.0089-02	4.2094-03	2.1234-01	3.7724+05	5.1805-03	8.5900-01
415	492.49	4.3765+01	3.6977+00	1.0453-02	3.6977+00	1.0453-02	2.1903-03	1.1049-01	1.9629+05	2.6902-03	9.1700-01
416	559.42	9.4850+01	7.7574+00	2.2978-02	7.7574+00	2.2978-02	4.8149-03	2.4288-01	4.3149+05	5.9328-03	5.7000-01
417	566.04	1.0920+02	9.5987+00	2.8568-02	9.5987+00	2.8568-02	5.9862-03	3.0197-01	5.3646+05	7.3784-03	1.0520+00

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9.03728+01 3.36832-02 2.44347+00 4.74202+03 3.12707-05 7.32020-08 1.69946-01 7.72000+00 7.63542-06 7.40129-02

1	488.97	4.2149+01	7.2328+00	2.0400-02	7.2328+00	2.0400-02	4.2759-03	2.1563-01	3.8291+05	5.2461-03	4.1100-01
2	566.06	1.0570+02	1.9026+01	5.6635-02	1.9026+01	5.6635-02	1.1871-02	5.9864-01	1.0630+06	1.4618-02	7.1100-01
3	533.46	8.3922+01	1.4813+01	4.3082-02	1.4813+01	4.3082-02	9.0301-03	4.5539-01	8.0866+05	1.1102-02	1.3070+00
4	591.25	1.2072+02	2.2050+01	6.6849-02	2.2050+01	6.6849-02	1.4012-02	7.0660-01	1.2548+06	1.7275-02	1.6410+00
5	559.27	7.9468+01	1.4914+01	4.4178-02	1.4914+01	4.4178-02	9.2597-03	4.6697-01	8.2922+05	1.1399-02	1.7720+00
6	488.62	5.2894+00	8.9419-01	2.5215-03	8.9419-01	2.5215-03	5.2851-04	2.6652-02	4.7328+04	6.4841-04	2.4660+00
7	454.73	3.7122+00	6.1174-01	1.6863-03	6.1174-01	1.6863-03	3.5344-04	1.7824-02	3.1651+04	4.3296-04	3.0090+00
8	444.43	4.4930+00	7.2863-01	1.9949-03	7.2863-01	1.9949-03	4.1812-04	2.1086-02	3.7443+04	5.1195-04	3.3930+00
9	443.55	5.6244+00	9.1155-01	2.4942-03	9.1155-01	2.4942-03	5.2279-04	2.6364-02	4.6817+04	6.4008-04	3.7770+00
10	470.82	7.1096+00	1.1773+00	3.2803-03	1.1773+00	3.2803-03	6.8755-04	3.4673-02	6.1571+04	8.4285-04	5.3230+00
14	521.80	7.5483+01	1.3227+01	3.8159-02	1.3227+01	3.8159-02	7.9981-03	4.0335-01	7.1624+05	9.8280-03	1.0880+00
15	528.63	8.3818+01	1.4750+01	4.2756-02	1.4750+01	4.2756-02	8.9617-03	4.5194-01	8.0253+05	1.1016-02	1.3070+00
16	567.62	1.0170+02	1.8323+01	5.4604-02	1.8323+01	5.4604-02	1.1445-02	5.7717-01	1.0249+06	1.4095-02	1.6410+00
19	483.37	2.4059+01	3.7406+00	1.0510-02	3.7406+00	1.0510-02	2.2030-03	1.1110-01	1.9728+05	2.7022-03	4.1100-01
20	482.45	2.9734+01	4.8429+00	1.3599-02	4.8429+00	1.3599-02	2.8504-03	1.4375-01	2.5526+05	3.4961-03	7.1100-01
21	519.14	7.6127+01	1.2889+01	3.7116-02	1.2889+01	3.7116-02	7.7795-03	3.9232-01	6.9666+05	9.5581-03	1.0880+00
22	509.29	7.3368+01	1.2420+01	3.5522-02	1.2420+01	3.5522-02	7.4454-03	3.7547-01	6.6674+05	9.1434-03	1.3070+00
23	791.89	1.9377-01	3.7574-02	1.3371-04	3.7574-02	1.3371-04	2.8025-05	1.4133-03	2.5097+03	3.4928-05	1.6410+00
24	470.68	3.9377+00	6.5004-01	1.8110-03	6.5004-01	1.8110-03	3.7959-04	1.9143-02	3.3992+04	4.6532-04	3.0090+00
25	460.01	3.2317+00	5.1696-01	1.4300-03	5.1696-01	1.4300-03	2.9973-04	1.5115-02	2.6841+04	3.6725-04	3.3930+00
26	454.06	2.8410+00	4.5543-01	1.2548-03	4.5543-01	1.2548-03	2.6302-04	1.3264-02	2.3553+04	3.2218-04	3.7770+00
27	480.10	3.0117+01	4.8979+00	1.3732-02	4.8979+00	1.3732-02	2.8782-03	1.4515-01	2.5775+05	3.5298-03	7.1100-01
28	504.77	6.6199+01	1.1107+01	3.1668-02	1.1107+01	3.1668-02	6.6377-03	3.3474-01	5.9441+05	8.1497-03	1.0880+00
29	503.92	6.5115+01	1.1084+01	3.1584-02	1.1084+01	3.1584-02	6.6201-03	3.3385-01	5.9284+05	8.1278-03	1.3070+00
30	532.35	7.4363+01	1.2925+01	3.7562-02	1.2925+01	3.7562-02	7.8730-03	3.9703-01	7.0504+05	9.6791-03	1.6410+00
31	521.05	4.5776+01	8.0176+00	2.3118-02	8.0176+00	2.3118-02	4.8456-03	2.4436-01	4.3392+05	5.9539-03	1.7720+00
32	501.38	9.7351+00	1.6594+00	4.7201-03	1.6594+00	4.7201-03	9.8935-04	4.9893-02	8.8597+04	1.2145-03	2.4660+00
33	468.43	5.6104+00	9.3868-01	2.6112-03	9.3868-01	2.6112-03	5.4731-04	2.7601-02	4.9012+04	6.7085-04	3.0090+00
34	453.99	3.7397+00	6.1046-01	1.6819-03	6.1046-01	1.6819-03	3.5253-04	1.7778-02	3.1570+04	4.3183-04	3.3930+00
35	448.94	2.7969+00	4.3585-01	1.1968-03	4.3585-01	1.1968-03	2.5086-04	1.2651-02	2.2465+04	3.0722-04	3.7770+00
36	503.59	6.4413+01	1.0832+01	3.0858-02	1.0832+01	3.0858-02	6.4679-03	3.2618-01	5.7921+05	7.9409-03	1.3070+00
37	500.88	8.4286+00	1.4533+00	4.1324-03	1.4533+00	4.1324-03	8.6617-04	4.3681-02	7.7566+04	1.0633-03	2.4660+00
38	467.90	7.9912+00	1.3168+00	3.6616-03	1.3168+00	3.6616-03	7.6748-04	3.8704-02	6.8729+04	9.4071-04	3.0090+00
39	451.28	4.9288+00	7.9825-01	2.1954-03	7.9825-01	2.1954-03	4.6015-04	2.3206-02	4.1207+04	5.6359-04	3.3930+00
40	446.86	3.5455+00	5.6728-01	1.5556-03	5.6728-01	1.5556-03	3.2606-04	1.6443-02	2.9199+04	3.9927-04	3.7770+00
41	450.46	2.1953+00	3.4461-01	9.4725-04	3.4461-01	9.4725-04	1.9854-04	1.0013-02	1.7780+04	2.4316-04	4.1620+00
43	467.05	2.6255+00	4.3886-01	1.2197-03	4.3886-01	1.2197-03	2.5565-04	1.2892-02	2.2893+04	3.1334-04	5.3230+00
47	499.22	4.6619+01	7.7469+00	2.2004-02	7.7469+00	2.2004-02	4.6120-03	2.3258-01	4.1301+05	5.6612-03	7.1100-01
48	509.79	5.6419+01	9.6111+00	2.7497-02	9.6111+00	2.7497-02	5.7635-03	2.9065-01	5.1612+05	7.0781-03	1.0880+00
49	497.75	5.9745+01	1.0160+01	2.8829-02	1.0160+01	2.8829-02	6.0425-03	3.0473-01	5.4112+05	7.4166-03	1.3070+00
50	539.01	6.6442+01	1.1664+01	3.4057-02	1.1664+01	3.4057-02	7.1384-03	3.5999-01	6.3925+05	8.7788-03	1.6410+00
51	527.50	4.0055+01	7.0439+00	2.0402-02	7.0439+00	2.0402-02	4.2763-03	2.1565-01	3.8294+05	5.2560-03	1.7720+00
52	496.35	6.8660+00	1.1839+00	3.3559-03	1.1839+00	3.3559-03	7.0341-04	3.5473-02	6.2991+04	8.6331-04	2.4660+00
53	462.12	6.5699+00	1.0764+00	2.9872-03	1.0764+00	2.9872-03	6.2612-04	3.1575-02	5.6069+04	7.6723-04	3.0090+00
54	449.53	5.6831+00	9.1376-01	2.5101-03	9.1376-01	2.5101-03	5.2613-04	2.6533-02	4.7115+04	6.4434-04	3.3930+00
55	446.51	4.4478+00	7.0064-01	1.9209-03	7.0064-01	1.9209-03	4.0262-04	2.0304-02	3.6055+04	4.9301-04	3.7770+00
56	464.52	1.4659+01	2.2725+00	6.3051-03	2.2725+00	6.3051-03	1.3216-03	6.6646-02	1.1835+05	1.6196-03	4.1100-01
57	491.28	3.8085+01	6.2581+00	1.7679-02	6.2581+00	1.7679-02	3.7055-03	1.8687-01	3.3183+05	4.5468-03	7.1100-01
58	481.57	3.9611+01	6.6260+00	1.8595-02	6.6260+00	1.8595-02	3.8976-03	1.9656-01	3.4903+05	4.7803-03	1.0880+00
59	477.06	3.7196+01	6.2220+00	1.7409-02	6.2220+00	1.7409-02	3.6489-03	1.8401-01	3.2676+05	4.4744-03	1.3070+00
60	512.09	4.3001+01	7.3799+00	2.1147-02	7.3799+00	2.1147-02	4.4325-03	2.2353-01	3.9694+05	5.4441-03	1.6410+00
61	459.65	3.9803+00	6.5027-01	1.7993-03	6.5027-01	1.7993-03	3.7693-04	1.9009-02	3.3755+04	4.6183-04	3.0090+00
62	447.94	4.4561+00	7.1569-01	1.9640-03	7.1569-01	1.9640-03	4.1165-04	2.0760-02	3.6864+04	5.0411-04	3.3930+00
63	449.73	3.8499+00	6.0780-01	1.6699-03	6.0780-01	1.6699-03	3.5001-04	1.7651-02	3.1344+04	4.2865-04	3.7770+00
64	457.34	1.9143+01	3.2167+00	8.8822-03	3.2167+00	8.8822-03	1.8617-03	9.3886-02	1.6672+05	2.2808-03	1.0880+00
65	458.43	2.1512+01	3.6173+00	9.9956-03	3.6173+00	9.9956-03	2.0951-03	1.0566-01	1.8762+05	2.5669-03	1.3070+00
66	496.47	3.2003+01	5.5186+00	1.5645-02	5.5186+00	1.5645-02	3.2792-03	1.6537-01	2.9366+05	4.0247-03	1.6410+00
69	467.55	1.8554+01	3.1391+00	8.7272-03	3.1391+00	8.7272-03	1.8292-03	9.2248-02	1.6381+05	2.2421-03	4.1100-01
70	451.50	5.1501+00	8.6194-01	2.3709-03	8.6194-01	2.3709-03	4.9694-04	2.5061-02	4.4502+04	6.0865-04	7.1100-01
71	451.80	9.4379+00	1.5753+00	4.3338-03	1.5753+00	4.3338-03	9.0837-04	4.5809-02	8.1346+04	1.1126-03	1.3070+00
72	467.48	1.2654+01	2.1408+00	5.9513-03	2.1408+00	5.9513-03	1.2474-03	6.2906-02	1.1171+05	1.5289-03	1.6410+00
73	462.22	7.3740+00	1.1959+00	3.3129-03	1.1959+00	3.3129-03	6.9440-04	3.5018-02	6.2184+04	8.5091-04	3.7770+00
74	478.68	5.5699+00	9.2716-01	2.5970-03	9.2716-01	2.5970-03	5.4433-04	2.7450-02	4.8745+04	6.6751-04	5.3230+00
77	447.25	4.0166+00	6.6440-01	1.8224-03	6.6440-01	1.8224-03	3.8198-04	1.9263-02	3.4207+04	4.6775-04	3.0090+00
78	439.64	4.6873+00	7.6217-01	2.0801-03	7.6217-01	2.0801-03	4.3600-04	2.1988-02	3.9044+04	5.3373-04	3.3930+00
79	443.31	5.2945+00	8.4765-01	2.3190-03	8.4765-01	2.3190-03	4.8607-04	2.4512-02	4.3528+04	5.9511-04	3.7770+00
80	491.90	5.1574+00	8.8930-01	2.5133-03	8.8930-01	2.5133-03	5.2679-04	2.6566-02	4.7174+04	6.4640-04	2.4660+00
81	449.76	3.9465+00	6.5392-01	1.7966-03	6.5392-01	1.7966-03	3.7658-04	1.8991-02	3.3723+04	4.6119-04	3.0090+00
82	440.34	4.1413+00	6.7573-01	1.8451-03	6.7573-01	1.8451-03	3.8673-04	1.9503-02	3.4632+04	4.7343-04	3.3930+00
83	441.17	5.1896+00	8.3970-01	2.2940-03	8.3970-01	2.2940-03	4.8084-04	2.4248-02	4.3059+04	5.8865-04	3.7770+00
337	602.80	4.5769+01	9.2272+00	2.8213-02	9.2272+00	2.8213-02	5.9135-03	2.9822-01	5.2956+05	7.2951-03	1.6180+00
339	563.44	2.6934+01	5.4210+00	1.6106-02	5.4210+00	1.6106-02	3.3759-03	1.7025-01	3.0232+05	4.1565-03	8.1130+00
340	495.93	7.7688+00	1.4684+00	4.1613-03	1.4684+00	4.1613-03	8.7222-04	4.3986-02	7.8108+04	1.0705-03	8.6180+00
342	602.29	4.2278+01	8.7937+00	2.6877-02	8.7937+00	2.6877-02	5.6335-03	2.8410-01	5.0449+05	6.9495-03	7.1680+00
344	560.74	2.1404+01	4.3236+00	1.2821-02	4.3236+00	1.2821-02	2.6873-03	1.3552-01	2.4065+05	3.3082-03	8.1130+00
347	551.89	1.9393+01	3.7955+00	1.1184-02	3.7955+00	1.1184-02	2.3442-03	1.1822-01	2.0992+05	2.8846-03	7.1680+00
349	537.19	1.6553+01	3.2880+00	9.5884-03	3.2880+00	9.5884-03	2.0097-03	1.0135-01	1.7997+05	2.4713-03	8.1130+00
350	486.45	3.2961+00	5.8450-01	1.6458-03	5.8450-01	1.6458-03	3.4496-04	1.7396-02	3.0892+04	4.2318-04	8.6180+00
352	532.49	1.0339+01	1.9518+00	5.6729-03	1.9518+00	5.6729-03	1.1891-03	5.9964-02	1.0648+05	1.4618-03	7.1680+00
354	531.89	8.1465+00	1.6087+00	4.6738-03	1.6087+00	4.6738-03	9.7964-04	4.9403-02	8.7728+04	1.2043-03	8.1130+00
357	531.95	1.8021+01	3.3915+00	9.8537-03	3.3915+00	9.8537-03	2.0654-03	1.0416-01	1.8495+05	2.5391-03	7.1680+00
359	521.52	8.4104+00	1.5425+00	4.4489-03	1.5425+00	4.4489-03	9.3251-04	4.7026-02	8.3507+04	1.1458-03	8.1130+00
401	530.97	5.8317+01	5.0786+00	1.4745-02	5.0786+00	1.4745-02	3.0906-03	1.5586-01	2.7677+05	3.7994-03	4.5500-01
403	514.46	4.6407+01	3.9527+00	1.1345-02	3.9527+00	1.1345-02	2.3780-03	1.1992-01	2.1295+05	2.9210-03	6.8600-01
404	3442.00	-8.7654+02	3.5222+02	2.9368-01	3.5222+02	2.9368-01	6.1556-02	3.1043+00	5.5124+06	6.6336-02	8.0100-01
405	578.81	9.3839+01	8.3101+00	2.4965-02	8.3101+00	2.4965-02	5.2328-03	2.6389-01	4.6860+05	6.4477-03	1.0510+00
406	591.63	1.1063+02	9.9288+00	3.0109-02	9.9288+00	3.0109-02	6.3109-03	3.1826-01	5.6515+05	7.7810-03	1.1670+00
407	602.35	1.1637+02	1.0696+01	3.2692-02	1.0696+01	3.2692-02	6.8523-03	3.4556-01	6.1363+05	8.4530-03	1.2830+00
408	541.46	7.3679+01	6.3050+00	1.8442-02	6.3050+00	1.8442-02	3.8654-03	1.9493-01	3.4615+05	4.7542-03	5.1300-01
409	475.28	2.3431+01	1.9575+00	5.4702-03	1.9575+00	5.4702-03	1.1466-03	5.7821-02	1.0268+05	1.4058-03	5.7000-01
410	549.88	7.3823+01	6.2341+00	1.8343-02	6.2341+00	1.8343-02	3.8448-03	1.9389-01	3.4431+05	4.7308-03	6.2800-01
411	479.78	2.6537+01	2.2235+00	6.2325-03	2.2235+00	6.2325-03	1.3063-03	6.5879-02	1.1698+05	1.6021-03	6.8600-01
412	537.94	6.2661+01	5.4155+00	1.5801-02	5.4155+00	1.5801-02	3.3118-03	1.6702-01	2.9658+05	4.0727-03	7.4400-01
413	491.86	3.5739+01	3.0362+00	8.5806-03	3.0362+00	8.5806-03	1.7985-03	9.0699-02	1.6106+05	2.2069-03	8.0100-01
414	554.42	7.8049+01	6.8130+00	2.0112-02	6.8130+00	2.0112-02	4.2154-03	2.1258-01	3.7750+05	5.1879-03	8.5900-01
415	503.31	4.3219+01	3.6771+00	1.0473-02	3.6771+00	1.0473-02	2.1952-03	1.1070-01	1.9658+05	2.6951-03	9.1700-01
416	582.28	8.8914+01	7.3701+00	2.2198-02	7.3701+00	2.2198-02	4.6527-03	2.3463-01	4.1665+05	5.7338-03	5.7000-01
417	592.69	1.0402+02	9.2855+00	2.8180-02	9.2855+00	2.8180-02	5.9066-03	2.9787-01	5.2895+05	7.2830-03	1.0520+00

CONFIDENTIAL

38 1 1.91 -10.09 .00 -.00 4C2 1 2.65 10.18 1643.0 1868.4

9.04C96+01 3.36807-02 2.44329+00 4.74298+03 3.12557-05 7.32318-08 1.69830-01 7.72000+00 7.63891-06 7.40091-02

1	499.88	4.4309+01	7.6573+00	2.1762-02	7.6573+00	2.1762-02	4.5626-03	2.3003-01	4.0828+05	5.5955-03	4.1100-01
2	591.94	1.0175+02	1.8592+01	5.6403-02	1.8592+01	5.6403-02	1.1825-02	5.9619-01	1.0582+06	1.4566-02	7.1100-01
3	554.20	8.2445+01	1.4736+01	4.3500-02	1.4736+01	4.3500-02	9.1202-03	4.5981-01	8.1613+05	1.1214-02	1.3070+00
4	621.03	1.1764+02	2.1851+01	6.7735-02	2.1851+01	6.7735-02	1.4201-02	7.1597-01	1.2708+06	1.7518-02	1.6410+00
5	579.C5	7.8440+01	1.4893+01	4.4757-02	1.4893+01	4.4757-02	9.3837-03	4.7309-01	8.3971+05	1.1551-02	1.7720+00
6	489.92	5.3642+00	9.0760-01	2.5619-03	9.0760-01	2.5619-03	5.3713-04	2.7080-02	4.8065+04	6.5843-04	2.4660+00
7	455.68	3.7865+00	6.2438-01	1.7224-03	6.2438-01	1.7224-03	3.6112-04	1.8206-02	3.2315+04	4.4198-04	3.0090+00
8	445.55	4.5148+00	7.3273-01	2.0078-03	7.3273-01	2.0078-03	4.2096-04	2.1223-02	3.7670+04	5.1499-04	3.3930+00
9	444.95	5.6281+00	9.1303-01	2.5009-03	9.1303-01	2.5009-03	5.2434-04	2.6435-02	4.6921+04	6.4144-04	3.7770+00
10	472.61	7.1501+00	1.1854+00	3.3073-03	1.1854+00	3.3073-03	6.9340-04	3.4959-02	6.2050+04	8.4932-04	5.3230+00
14	540.46	7.4064+01	1.3129+01	3.8379-02	1.3129+01	3.8379-02	8.0466-03	4.0568-01	7.2005+05	9.8870-03	1.0880+00
15	549.33	8.1962+01	1.4607+01	4.2970-02	1.4607+01	4.2970-02	9.0090-03	4.5420-01	8.0617+05	1.1074-02	1.3070+00
16	592.77	9.9462+01	1.8164+01	5.5197-02	1.8184+01	5.5197-02	1.1573-02	5.8344-01	1.0356+06	1.4255-02	1.6410+00
19	489.41	2.4329+01	3.7975+00	1.0716-02	3.7975+00	1.0716-02	2.2466-03	1.1327-01	2.0104+05	2.7539-03	4.1100-01
20	489.93	2.9910+01	4.8955+00	1.3819-02	4.8955+00	1.3819-02	2.8972-03	1.4607-01	2.5926+05	3.5515-03	7.1100-01
21	537.89	7.4211+01	1.2712+01	3.7093-02	1.2712+01	3.7093-02	7.7768-03	3.9208-01	6.9591+05	9.5543-03	1.0880+00
22	527.40	7.1782+01	1.2290+01	3.5600-02	1.2290+01	3.5600-02	7.4639-03	3.7630-01	6.6791+05	9.1653-03	1.3070+00
23	791.92	1.4338-01	2.7803-02	9.8958-05	2.7803-02	9.8958-05	2.0748-05	1.0466-03	1.8566+03	2.5829-05	1.6410+00
24	471.66	3.9335+00	6.4978-01	1.8117-03	6.4978-01	1.8117-03	3.7984-04	1.9150-02	3.3990+04	4.6523-04	3.0090+00
25	460.81	3.2203+00	5.1541-01	1.4267-03	5.1541-01	1.4267-03	2.9912-04	1.5080-02	2.6767+04	3.6618-04	3.3930+00
26	454.77	2.8203+00	4.5232-01	1.2470-03	4.5232-01	1.2470-03	2.6145-04	1.3181-02	2.3396+04	3.1998-04	3.7770+00
27	487.65	3.0231+01	4.9468+00	1.3925-02	4.9468+00	1.3925-02	2.9195-03	1.4719-01	2.6125+05	3.5784-03	7.1100-01
28	521.18	6.5066+01	1.1031+01	3.1813-02	1.1031+01	3.1813-02	6.6699-03	3.3627-01	5.9686+05	8.1880-03	1.0880+00
29	520.05	6.3996+01	1.1005+01	3.1715-02	1.1005+01	3.1715-02	6.6494-03	3.3524-01	5.9503+05	8.1624-03	1.3070+00
30	550.75	7.2995+01	1.2830+01	3.7780-02	1.2830+01	3.7780-02	7.9208-03	3.9934-01	7.0880+05	9.7372-03	1.6410+00
31	532.46	4.5541+01	8.0332+00	2.3351-02	8.0332+00	2.3351-02	4.8958-03	2.4683-01	4.3811+05	6.0133-03	1.7720+00
32	503.83	9.8364+00	1.6793+00	4.7854-03	1.6793+00	4.7854-03	1.0033-03	5.0583-02	8.9781+04	1.2307-03	2.4660+00
33	469.83	5.6660+00	9.4867-01	2.6424-03	9.4867-01	2.6424-03	5.5400-04	2.7930-02	4.9575+04	6.7848-04	3.0090+00
34	454.91	3.7330+00	6.0974-01	1.6812-03	6.0974-01	1.6812-03	3.5248-04	1.7770-02	3.1542+04	4.3139-04	3.3930+00
35	449.65	2.8431+00	4.4327-01	1.2179-03	4.4327-01	1.2179-03	2.5535-04	1.2874-02	2.2850+04	3.1245-04	3.7770+00
36	519.57	6.3397+01	1.0769+01	3.1025-02	1.0769+01	3.1025-02	6.5046-03	3.2794-01	5.8207+05	7.9845-03	1.3070+00
37	503.C0	8.4192+00	1.4536+00	4.1400-03	1.4536+00	4.1400-03	8.6800-04	4.3761-02	7.7673+04	1.0647-03	2.4660+00
38	469.89	7.9335+00	1.3090+00	3.6454-03	1.3090+00	3.6454-03	7.6429-04	3.8532-02	6.8393+04	9.3603-04	3.0090+00
39	452.45	4.8540+00	7.8677-01	2.1657-03	7.8677-01	2.1657-03	4.5407-04	2.2892-02	4.0632+04	5.5566-04	3.3930+00
40	447.73	3.5621+00	5.7028-01	1.5649-03	5.7028-01	1.5649-03	3.2811-04	1.6542-02	2.9361+04	4.0143-04	3.7770+00
41	451.03	2.2182+00	3.4833-01	9.5797-04	3.4833-01	9.5797-04	2.0085-04	1.0126-02	1.7973+04	2.4577-04	4.1620+00
43	467.73	2.6390+00	4.4132-01	1.2272-03	4.4132-01	1.2272-03	2.5730-04	1.2972-02	2.3025+04	3.1509-04	5.3230+00
47	510.83	4.61C9+01	7.7191+00	2.2103-02	7.7191+00	2.2103-02	4.6342-03	2.3364-01	4.1469+05	5.6862-03	7.1100-01
48	523.65	5.4577+01	9.3787+00	2.7095-02	9.3787+00	2.7095-02	5.6807-03	2.8640-01	5.0834+05	6.9745-03	1.0880+00
49	512.53	5.8612+01	1.0062+01	2.8845-02	1.0062+01	2.8845-02	6.0477-03	3.0490-01	5.4118+05	7.4212-03	1.3070+00
50	555.43	6.4974+01	1.1520+01	3.4036-02	1.1520+01	3.4036-02	7.1360-03	3.5977-01	6.3857+05	8.7744-03	1.6410+00
51	537.47	3.9739+01	7.0313+00	2.0511-02	7.0313+00	2.0511-02	4.3004-03	2.1681-01	3.8482+05	5.2832-03	1.7720+00
52	498.06	6.8265+00	1.1784+00	3.3447-03	1.1784+00	3.3447-03	7.0124-04	3.5354-02	6.2751+04	8.5993-04	2.4660+00
53	463.79	6.6166+00	1.0873+00	3.0156-03	1.0873+00	3.0156-03	6.3224-04	3.1875-02	5.6576+04	7.7409-04	3.0090+00
54	450.94	5.4654+00	8.7961-01	2.4189-03	8.7961-01	2.4189-03	5.0715-04	2.5568-02	4.5382+04	6.2058-04	3.3930+00
55	447.64	4.4291+00	6.9824-01	1.9160-03	6.9824-01	1.9160-03	4.0170-04	2.0252-02	3.5946+04	4.9147-04	3.7770+00
56	468.18	1.4798+01	2.2997+00	6.3969-03	2.2997+00	6.3969-03	1.3412-03	6.7616-02	1.2001+05	1.6424-03	4.1100-01
57	500.77	3.7777+01	6.2457+00	1.7761-02	6.2457+00	1.7761-02	3.7238-03	1.8774-01	3.3322+05	4.5670-03	7.1100-01
58	491.37	3.8846+01	6.5398+00	1.8478-02	6.5398+00	1.8478-02	3.8742-03	1.9532-01	3.4668+05	4.7494-03	1.0880+00
59	486.29	3.6873+01	6.2056+00	1.7474-02	6.2056+00	1.7474-02	3.6635-03	1.8470-01	3.2783+05	4.4901-03	1.3070+00
60	522.79	4.2689+01	7.3757+00	2.1296-02	7.3757+00	2.1296-02	4.4649-03	2.2510-01	3.9954+05	5.4815-03	1.6410+00
61	460.65	3.9870+00	6.5181-01	1.8040-03	6.5181-01	1.8040-03	3.7823-04	1.9069-02	3.3846+04	4.6303-04	3.0090+00
62	449.06	4.4800+00	7.2068-01	1.9777-03	7.2068-01	1.9777-03	4.1465-04	2.0905-02	3.7105+04	5.0735-04	3.3930+00
63	450.72	3.6774+00	5.8096-01	1.5974-03	5.8096-01	1.5974-03	3.3491-04	1.6885-02	2.9969+04	4.0981-04	3.7770+00
64	462.24	1.9551+01	3.2960+00	9.1321-03	3.2960+00	9.1321-03	1.9146-03	9.6528-02	1.7133+05	2.3441-03	1.0880+00
65	463.89	2.1697+01	3.6620+00	1.0157-02	3.6620+00	1.0157-02	2.1296-03	1.0736-01	1.9056+05	2.6074-03	1.3070+00
66	504.48	3.1966+01	5.54[illegible]+00	1.5796-02	5.5405+00	1.5796-02	3.3117-03	1.6696-01	2.9635+05	4.0623-03	1.6410+00
69	472.33	1.9386+01	3.2904+00	9.1784-03	3.2904+00	9.1784-03	1.9243-03	9.7017-02	1.7220+05	2.3570-03	4.1100-01
70	452.71	5.0821+00	8.5126-01	2.3437-03	8.5126-01	2.3437-03	4.9138-04	2.4773-02	4.3971+04	6.0133-04	7.1100-01
71	454.12	9.5143+00	1.5905+00	4.3831-03	1.5905+00	4.3831-03	9.1896-04	4.6331-02	8.2234+04	1.1247-03	1.3070+00
72	470.64	1.2605+01	2.1371+00	5.9545-03	2.1371+00	5.9545-03	1.2484-03	6.2940-02	1.1172+05	1.5290-03	1.6410+00
73	464.06	7.3813+00	1.1986+00	3.3249-03	1.1986+00	3.3249-03	6.9709-04	3.5144-02	6.2379+04	8.5350-04	3.7770+00
74	480.09	5.6026+00	9.3348-01	2.6175-03	9.3348-01	2.6175-03	5.4878-04	2.7668-02	4.9108+04	6.7241-04	5.3230+00
77	448.31	4.0317+00	6.6738-01	1.8321-03	6.6738-01	1.8321-03	3.8412-04	1.9366-02	3.4373+04	4.6997-04	3.0090+00
78	440.81	4.7439+00	7.7200-01	2.1089-03	7.7200-01	2.1089-03	4.4215-04	2.2291-02	3.9566+04	5.4079-04	3.3930+00
79	444.64	5.2374+00	8.3927-01	2.2984-03	8.3927-01	2.2984-03	4.8188-04	2.4294-02	4.3121+04	5.8949-04	3.7770+00
80	493.19	5.2197+00	9.0080-01	2.5484-03	9.0080-01	2.5484-03	5.3430-04	2.6937-02	4.7812+04	6.5505-04	2.4660+00
81	450.78	3.7377+00	6.1975-01	1.7041-03	6.1975-01	1.7041-03	3.5729-04	1.8013-02	3.1972+04	4.3719-04	3.0090+00
82	441.35	3.9777+00	6.4948-01	1.7748-03	6.4948-01	1.7748-03	3.7211-04	1.8760-02	3.3298+04	4.5514-04	3.3930+00
83	442.48	5.2197+00	8.4534-01	2.3117-03	8.4534-01	2.3117-03	4.8468-04	2.4436-02	4.3372+04	5.9286-04	3.7770+00
337	614.19	4.5327+01	9.1966+00	2.8363-02	9.1966+00	2.8363-02	5.9466-03	2.9980-01	5.3213+05	7.3329-03	7.1680+00
339	570.19	2.6959+01	5.4479+00	1.6267-02	5.4479+00	1.6267-02	3.4106-03	1.7195-01	3.0520+05	4.1966-03	8.1130+00
340	497.86	7.7751+00	1.4714+00	4.1759-03	1.4714+00	4.1759-03	8.7552-04	4.4140-02	7.8346+04	1.0736-03	8.6180+00
342	612.83	4.2077+01	8.8037+00	2.7124-02	8.8037+00	2.7124-02	5.6868-03	2.8670-01	5.0888+05	7.0120-03	7.1680+00
344	566.09	2.1334+01	4.3231+00	1.2871-02	4.3231+00	1.2871-02	2.6984-03	1.3604-01	2.4147+05	3.3197-03	8.1130+00
347	556.71	1.9342+01	3.7965+00	1.1227-02	3.7965+00	1.1227-02	2.3538-03	1.1867-01	2.1063+05	2.8944-03	7.1680+00
349	541.32	1.6513+01	3.2884+00	9.6187-03	3.2884+00	9.6187-03	2.0166-03	1.0167-01	1.8046+05	2.4780-03	8.1130+00
350	487.29	3.3070+00	5.8676-01	1.6533-03	5.8676-01	1.6533-03	3.4663-04	1.7476-02	3.1018+04	4.2486-04	8.6180+00
352	535.07	1.0305+01	1.9484+00	5.6742-03	1.9484+00	5.6742-03	1.1897-03	5.9978-02	1.0646+05	1.4614-03	7.1680+00
354	533.92	8.1600+00	1.6134+00	4.6948-03	1.6134+00	4.6948-03	9.8430-04	4.9624-02	8.8080+04	1.2091-03	8.1130+00
357	536.46	1.7959+01	3.3892+00	9.8798-03	3.3892+00	9.8798-03	2.0714-03	1.0443-01	1.8536+05	2.5447-03	7.1680+00
359	523.62	8.4525+00	1.5522+00	4.4843-03	1.5522+00	4.4843-03	9.4017-04	4.7400-02	8.4132+04	1.1543-03	8.1130+00
401	545.37	5.7076+01	5.0145+00	1.4710-02	5.0145+00	1.4710-02	3.0840-03	1.5549-01	2.7598+05	3.7903-03	4.5500-01
403	526.14	4.6645+01	4.0021+00	1.1582-02	4.0021+00	1.1582-02	2.4283-03	1.2243-01	2.1730+05	2.9817-03	6.8600-01
404	3687.28-7.2915+02		3.2818+02	2.6354-01	3.2818+02	2.6354-01	5.5254-02	2.7857+00	4.9444+06	5.9072-02	8.0100-01
405	601.81	9.0062+01	8.0814+00	2.4695-02	8.0814+00	2.4695-02	5.1776-03	2.6103-01	4.6332+05	6.3867-03	1.0510+00
406	618.45	1.0426+02	9.4994+00	2.9391-02	9.4994+00	2.9391-02	6.1620-03	3.1066-01	5.5141+05	7.6002-03	1.1670+00
407	630.46	1.0929+02	1.0202+01	3.1852-02	1.0202+01	3.1852-02	6.6780-03	3.3668-01	5.9758+05	8.2415-03	1.2830+00
408	559.76	7.2382+01	6.2626+00	1.8560-02	6.2626+00	1.8560-02	3.8913-03	1.9618-01	3.4821+05	4.7857-03	5.1300-01
409	481.36	2.5029+01	2.0994+00	5.8917-03	2.0994+00	5.8917-03	1.2352-03	6.2276-02	1.1054+05	1.5136-03	5.7000-01
410	568.05	7.1386+01	6.0940+00	1.8168-02	6.0940+00	1.8168-02	3.8092-03	1.9204-01	3.4087+05	4.6866-03	6.2800-01
411	486.60	2.7929+01	2.3507+00	6.6205-03	2.3507+00	6.6205-03	1.3880-03	6.9980-02	1.2421+05	1.7012-03	6.8600-01
412	553.40	6.1019+01	5.3232+00	1.5705-02	5.3232+00	1.5705-02	3.2926-03	1.6600-01	2.9464+05	4.0482-03	7.4400-01
413	500.94	3.6461+01	3.1158+00	8.8616-03	3.1158+00	8.8616-03	1.8579-03	9.3669-02	1.6626+05	2.2786-03	8.0100-01
414	573.68	7.5867+01	6.6985+00	2.0052-02	6.6985+00	2.0052-02	4.2041-03	2.1196-01	3.7621+05	5.1739-03	8.5900-01
415	514.07	4.3087+01	3.6909+00	1.0592-02	3.6909+00	1.0592-02	2.2208-03	1.1196-01	1.9873+05	2.7254-03	9.1700-01
416	603.76	8.3820+01	7.0336+00	2.1524-02	7.0336+00	2.1524-02	4.5128-03	2.2752-01	4.0383+05	5.5620-03	5.7000-01
417	618.08	9.8972+01	8.9620+00	2.7720-02	8.9620+00	2.7720-02	5.8117-03	2.9300-01	5.2006+05	7.1680-03	1.0520+00

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38 1 1.91 -10.09 .00 -.00 402 1 3.15 10.18 1643.0 1868.0

9.03912+01 3.36820-02 2.44338+00 4.74250+03 3.12632-05 7.32169-08 1.69888-01 7.72000+00 7.63716-06 7.40110-02

1	522.82	4.6860+01	8.2166+00	2.3731-02	8.2166+00	2.3731-02	4.9747-03	2.5084-01	4.4533+05	6.1081-03	4.1100-01
2	641.00	9.4424+01	1.7730+01	5.5817-02	1.7730+01	5.5817-02	1.1701-02	5.9000-01	1.0474+06	1.4450-02	7.1100-01
3	594.81	7.9570+01	1.4564+01	4.4288-02	1.4564+01	4.4288-02	9.2842-03	4.6814-01	8.3110+05	1.1439-02	1.3070+00
4	678.22	1.1064+02	2.1186+01	6.8651-02	2.1186+01	6.8651-02	1.4391-02	7.2565-01	1.2883+06	1.7807-02	1.6410+00
5	617.70	7.6007+01	1.4751+01	4.5626-02	1.4751+01	4.5626-02	9.5647-03	4.8228-01	8.5621+05	1.1798-02	1.7720+00
6	492.63	5.4727+00	9.2760-01	2.6239-03	9.2760-01	2.6239-03	5.5006-04	2.7736-02	4.9240+04	6.7444-04	2.4660+00
7	457.55	3.7590+00	6.2063-01	1.7147-03	6.2063-01	1.7147-03	3.5945-04	1.8124-02	3.2177+04	4.4002-04	3.0090+00
8	447.80	4.4951+00	7.3066-01	2.0057-03	7.3066-01	2.0057-03	4.2045-04	2.1200-02	3.7638+04	5.1447-04	3.3930+00
9	447.78	5.6925+00	9.2528-01	2.5399-03	9.2528-01	2.5399-03	5.3243-04	2.6847-02	4.7662+04	6.5150-04	3.7770+00
10	476.17	7.1314+00	1.1851+00	3.3153-03	1.1851+00	3.3153-03	6.9498-04	3.5043-02	6.2213+04	8.5148-04	5.3230+00
14	576.81	7.1502+01	1.2952+01	3.8873-02	1.2952+01	3.8873-02	8.1489-03	4.1089-01	7.2947+05	1.0031-02	1.0880+00
15	589.39	7.8297+01	1.4287+01	4.3272-02	1.4287+01	4.3272-02	9.0711-03	4.5739-01	8.1203+05	1.1173-02	1.3070+00
16	641.38	9.4798+01	1.7804+01	5.6066-02	1.7804+01	5.6066-02	1.1753-02	5.9263-01	1.0521+06	1.4515-02	1.6410+00
19	501.72	2.4759+01	3.8955+00	1.1088-02	3.8955+00	1.1088-02	2.3244-03	1.1720-01	2.0808+05	2.8512-03	4.1100-01
20	504.94	3.0088+01	4.9725+00	1.4185-02	4.9725+00	1.4185-02	2.9736-03	1.4994-01	2.6619+05	3.6480-03	7.1100-01
21	574.10	7.0679+01	1.2372+01	3.7057-02	1.2372+01	3.7057-02	7.7684-03	3.9170-01	6.9541+05	9.5616-03	1.0880+00
22	562.58	6.8950+01	1.2060+01	3.5824-02	1.2060+01	3.5824-02	7.5099-03	3.7867-01	6.7227+05	9.2383-03	1.3070+00
23	792.01	1.0026-01	1.9443-02	6.9231-05	1.9443-02	6.9231-05	1.4513-05	7.3179-04	1.2992+03	1.8070-05	1.6410+00
24	473.66	3.9709+00	6.5683-01	1.8343-03	6.5683-01	1.8343-03	3.8453-04	1.9389-02	3.4422+04	4.7107-04	3.0090+00
25	462.38	3.2078+00	5.1396-01	1.4245-03	5.1396-01	1.4245-03	2.9863-04	1.5058-02	2.6733+04	3.6565-04	3.3930+00
26	456.20	2.9273+00	4.6993-01	1.2972-03	4.6993-01	1.2972-03	2.7193-04	1.3711-02	2.4342+04	3.3286-04	3.7770+00
27	502.81	3.0247+01	4.9920+00	1.4220-02	4.9920+00	1.4220-02	2.9809-03	1.5030-01	2.6684+05	3.6566-03	7.1100-01
28	553.13	6.2484+01	1.0802+01	3.1872-02	1.0802+01	3.1872-02	6.6814-03	3.3689-01	5.9810+05	8.2154-03	1.0880+00
29	551.54	6.1930+01	1.0858+01	3.2000-02	1.0858+01	3.2000-02	6.7082-03	3.3825-01	6.0051+05	8.2478-03	1.3070+00
30	586.54	7.0116+01	1.2586+01	3.8043-02	1.2586+01	3.8043-02	7.9749-03	4.0212-01	7.1390+05	9.8218-03	1.6410+00
31	555.09	4.4831+01	8.0174+00	2.3688-02	8.0174+00	2.3688-02	4.9658-03	2.5039-01	4.4453+05	6.1065-03	1.7720+00
32	508.80	9.9969+00	1.7121+00	4.8970-03	1.7121+00	4.8970-03	1.0266-03	5.1763-02	9.1897+04	1.2596-03	2.4660+00
33	472.67	5.6888+00	9.5450-01	2.6638-03	9.5450-01	2.6638-03	5.5842-04	2.8157-02	4.9989+04	6.8406-04	3.0090+00
34	456.77	3.7725+00	6.1697-01	1.7037-03	6.1697-01	1.7037-03	3.5714-04	1.8008-02	3.1971+04	4.3718-04	3.3930+00
35	451.07	2.7060+00	4.2230-01	1.1617-03	4.2230-01	1.1617-03	2.4353-04	1.2280-02	2.1801+04	2.9804-04	3.7770+00
36	550.74	6.1501+01	1.0649+01	3.1367-02	1.0649+01	3.1367-02	6.5755-03	3.3156-01	5.8863+05	8.0843-03	1.3070+00
37	507.21	8.4504+00	1.4629+00	4.1798-03	1.4629+00	4.1798-03	8.7621-04	4.4181-02	7.8437+04	1.0751-03	2.4660+00
38	473.85	7.8743+00	1.3027+00	3.6384-03	1.3027+00	3.6384-03	7.6271-04	3.8458-02	6.8277+04	9.3438-04	3.0090+00
39	454.94	5.3943+00	8.7582-01	2.4155-03	8.7582-01	2.4155-03	5.0637-04	2.5533-02	4.5329+04	6.1981-04	3.3930+00
40	449.53	3.5543+00	5.6974-01	1.5657-03	5.6974-01	1.5657-03	3.2823-04	1.6550-02	2.9382+04	4.0166-04	3.7770+00
41	452.00	1.9236+00	3.0228-01	8.3208-04	3.0228-01	8.3208-04	1.7443-04	8.7952-03	1.5615+04	2.1368-04	4.1620+00
43	469.03	2.6145+00	4.3762-01	1.2183-03	4.3762-01	1.2183-03	2.5540-04	1.2878-02	2.2863+04	3.1281-04	5.3230+00
47	533.53	4.4486+01	7.5539+00	2.1981-02	7.5539+00	2.1981-02	4.6079-03	2.3234-01	4.1249+05	5.6606-03	7.1100-01
48	550.08	5.1337+01	8.9659+00	2.6397-02	8.9659+00	2.6397-02	5.5336-03	2.7902-01	4.9536+05	6.8031-03	1.0880+00
49	561.24	5.6223+01	9.8252+00	2.8746-02	9.8252+00	2.8746-02	6.0260-03	3.0385-01	5.3944+05	7.4054-03	1.3070+00
50	587.14	6.1864+01	1.1175+01	3.3791-02	1.1175+01	3.3791-02	7.0837-03	3.5718-01	6.3412+05	8.7244-03	1.6410+00
51	557.16	3.8984+01	6.9804+00	2.0655-02	6.9804+00	2.0655-02	4.3299-03	2.1833-01	3.8761+05	5.3251-03	1.7720+00
52	501.46	6.7834+00	1.1735+00	3.3395-03	1.1735+00	3.3395-03	7.0007-04	3.5300-02	6.2669+04	8.5872-04	2.4660+00
53	467.09	6.6275+00	1.0915+00	3.0347-03	1.0915+00	3.0347-03	6.3617-04	3.2078-02	5.6949+04	7.7911-04	3.0090+00
54	453.53	5.4104+00	8.7229-01	2.4035-03	8.7229-01	2.4035-03	5.0386-04	2.5406-02	4.5104+04	6.1669-04	3.3930+00
55	449.84	4.4187+00	6.9765-01	1.9176-03	6.9765-01	1.9176-03	4.0200-04	2.0270-02	3.5986+04	4.9194-04	3.7770+00
56	475.89	1.6116+01	2.5175+00	7.0410-03	2.5175+00	7.0410-03	1.4760-03	7.4424-02	1.3213+05	1.8084-03	4.1100-01
57	519.46	3.6940+01	6.1801+00	1.7808-02	6.1801+00	1.7808-02	3.7330-03	1.8823-01	3.3417+05	4.5828-03	7.1100-01
58	510.36	3.7311+01	6.3583+00	1.8206-02	6.3583+00	1.8206-02	3.8165-03	1.9244-01	3.4165+05	4.6833-03	1.0880+00
59	504.55	3.6254+01	6.1737+00	1.7607-02	6.1737+00	1.7607-02	3.6909-03	1.8611-01	3.3041+05	4.5280-03	1.3070+00
60	543.97	4.2032+01	7.3574+00	2.1567-02	7.3574+00	2.1567-02	4.5212-03	2.2797-01	4.0473+05	5.5568-03	1.6410+00
61	462.62	3.9782+00	6.5123-01	1.8053-03	6.5123-01	1.8053-03	3.7845-04	1.9082-02	3.3878+04	4.6339-04	3.0090+00
62	451.25	4.1029+00	6.6045-01	1.8171-03	6.6045-01	1.8171-03	3.8092-04	1.9207-02	3.4099+04	4.6617-04	3.3930+00
63	452.41	3.4519+00	5.4597-01	1.5033-03	5.4597-01	1.5033-03	3.1513-04	1.5890-02	2.8210+04	3.8568-04	3.7770+00
64	472.04	1.9641+01	3.3330+00	9.2978-03	3.3330+00	9.2978-03	1.9491-03	9.8279-02	1.7448+05	2.3876-03	1.0880+00
65	474.68	2.1553+01	3.6640+00	1.0239-02	3.6640+00	1.0239-02	2.1465-03	1.0823-01	1.9215+05	2.6297-03	1.3070+00
66	520.36	3.1417+01	5.5003+00	1.5859-02	5.5003+00	1.5859-02	3.3245-03	1.6763-01	2.9760+05	4.0814-03	1.6410+00
69	482.38	2.0466+01	3.4969+00	9.8232-03	3.4969+00	9.8232-03	2.0592-03	1.0383-01	1.8434+05	2.5237-03	4.1100-01
70	455.39	5.4706+00	9.1862-01	2.5327-03	9.1802-01	2.5327-03	5.3092-04	2.6771-02	4.7527+04	6.4987-04	7.1100-01
71	459.03	9.9164+00	1.6633+00	4.5998-03	1.6633+00	4.5998-03	9.6426-04	4.8621-02	8.6319+04	1.1805-03	1.3070+00
72	476.90	1.2445+01	2.1188+00	5.9299-03	2.1188+00	5.9299-03	1.2431-03	6.2680-02	1.1128+05	1.5231-03	1.6410+00
73	467.73	7.3673+00	1.1992+00	3.3358-03	1.1992+00	3.3358-03	6.9928-04	3.5260-02	6.2598+04	8.5643-04	3.7770+00
74	482.86	5.5413+00	9.2495-01	2.5991-03	9.2495-01	2.5991-03	5.4486-04	2.7473-02	4.8775+04	6.6776-04	5.3230+00
77	450.27	3.8327+00	6.3529-01	1.7467-03	6.3529-01	1.7467-03	3.6617-04	1.8463-02	3.2779+04	4.4810-04	3.0090+00
78	443.20	4.7153+00	7.6862-01	2.1035-03	7.6862-01	2.1035-03	4.4096-04	2.2234-02	3.9474+04	5.3946-04	3.3930+00
79	447.23	5.2223+00	8.3835-01	2.3004-03	8.3835-01	2.3004-03	4.8224-04	2.4316-02	4.3169+04	5.9006-04	3.7770+00
80	495.83	5.2691+00	9.1087-01	2.5822-03	9.1087-01	2.5822-03	5.4132-04	2.7295-02	4.8458+04	6.6382-04	2.4660+00
81	452.49	3.6114+00	5.9952-01	1.6508-03	5.9952-01	1.6508-03	3.4606-04	1.7449-02	3.0979+04	4.2354-04	3.0090+00
82	443.46	4.3397+00	7.0964-01	1.9424-03	7.0964-01	1.9424-03	4.0719-04	2.0532-02	3.6451+04	4.9815-04	3.3930+00
83	445.12	5.3382+00	8.6610-01	2.3733-03	8.6610-01	2.3733-03	4.9751-04	2.5086-02	4.4536+04	6.0869-04	3.7770+00
337	636.57	4.4172+01	9.0735+00	2.8469-02	9.0735+00	2.8469-02	5.9679-03	3.0092-01	5.3423+05	7.3683-03	7.1680+00
339	583.65	2.6670+01	5.4317+00	1.6383-02	5.4317+00	1.6383-02	3.4344-03	1.7317-01	3.0744+05	4.2291-03	8.1130+00
340	501.79	7.8094+00	1.4816+00	4.2174-03	1.4816+00	4.2174-03	8.8411-04	4.4579-02	7.9144+04	1.0845-03	8.6180+00
342	633.69	4.1161+01	8.7114+00	2.7272-02	8.7114+00	2.7272-02	5.7171-03	2.8827-01	5.1178+05	7.0576-03	7.1680+00
344	576.71	2.1046+01	4.2915+00	1.2879-02	4.2915+00	1.2879-02	2.6998-03	1.3613-01	2.4168+05	3.3234-03	8.1130+00
347	566.38	1.9201+01	3.7904+00	1.1290-02	3.7904+00	1.1290-02	2.3668-03	1.1934-01	2.1187+05	2.9121-03	7.1680+00
349	549.56	1.6433+01	3.2888+00	9.6791-03	3.2888+00	9.6791-03	2.0290-03	1.0231-01	1.8164+05	2.4945-03	8.1130+00
350	488.93	3.3325+00	5.9191-01	1.6701-03	5.9191-01	1.6701-03	3.5011-04	1.7654-02	3.1341+04	4.2921-04	8.6180+00
352	540.18	1.0211+01	1.9368+00	5.6623-03	1.9368+00	5.6623-03	1.1870-03	5.9852-02	1.0626+05	1.4586-03	7.1680+00
354	537.99	8.0753+00	1.6006+00	4.6723-03	1.6006+00	4.6723-03	9.7946-04	4.9387-02	8.7679+04	1.2035-03	8.1130+00
357	545.37	1.7717+01	3.3732+00	9.8980-03	3.3732+00	9.8980-03	2.0749-03	1.0462-01	1.8574+05	2.5504-03	7.1680+00
359	527.86	8.4566+00	1.5571+00	4.5129-03	1.5571+00	4.5129-03	9.4604-04	4.7702-02	8.4688+04	1.1619-03	8.1130+00
401	573.32	5.4631+01	4.8803+00	1.4610-02	4.8803+00	1.4610-02	3.0626-03	1.5443-01	2.7416+05	3.7695-03	4.5500-01
403	549.54	4.6930+01	4.0846+00	1.2021-02	4.0846+00	1.2021-02	2.5200-03	1.2706-01	2.2558+05	3.0980-03	6.8600-01
404	3915.90	-4.8588+02	2.4146+02	1.8757-01	2.4146+02	1.8757-01	3.9319-02	1.9826+00	3.5198+06	4.1746-02	8.0100-01
405	644.92	8.2624+01	7.5917+00	2.3972-02	7.5917+00	2.3972-02	5.0252-03	2.5339-01	4.4985+05	6.2070-03	1.0510+00
406	667.58	9.2262+01	8.6306+00	2.7734-02	8.6306+00	2.7734-02	5.8139-03	2.9316-01	5.2045+05	7.1896-03	1.1670+00
407	681.81	9.6798+01	9.2845+00	3.0171-02	9.2845+00	3.0171-02	6.3247-03	3.1891-01	5.6618+05	7.8271-03	1.2830+00
408	595.14	6.8917+01	6.0869+00	1.8514-02	6.0869+00	1.8514-02	3.8812-03	1.9570-01	3.4744+05	4.7820-03	5.1300-01
409	494.65	2.8057+01	2.3738+00	6.7242-03	2.3738+00	6.7242-03	1.4096-03	7.1076-02	1.2618+05	1.7285-03	5.7000-01
410	602.60	6.6993+01	5.8340+00	1.7843-02	5.8340+00	1.7843-02	3.7405-03	1.8861-01	3.3484+05	4.6103-03	6.2800-01
411	501.20	3.0318+01	2.5760+00	7.3296-03	2.5760+00	7.3296-03	1.5365-03	7.7475-02	1.3754+05	1.8847-03	6.8600-01
412	583.09	5.7386+01	5.0946+00	1.5360-02	5.0946+00	1.5360-02	3.2199-03	1.6236-01	2.8824+05	3.9649-03	7.4400-01
413	519.57	3.7697+01	3.2597+00	9.3932-03	3.2597+00	9.3932-03	1.9691-03	9.9288-02	1.7627+05	2.4174-03	8.0100-01
414	610.52	7.1642+01	6.4600+00	1.9874-02	6.4600+00	1.9874-02	4.1663-03	2.1008-01	3.7296+05	5.1372-03	8.5900-01
415	535.63	4.3334+01	3.7622+00	1.0964-02	3.7622+00	1.0964-02	2.2983-03	1.1589-01	2.0574+05	2.8237-03	9.1700-01
416	643.47	7.5702+01	6.4925+00	2.0478-02	6.4925+00	2.0478-02	4.2928-03	2.1646-01	3.8428+05	5.3020-03	5.7000-01
417	665.10	8.9276+01	8.2908+00	2.6591-02	8.2908+00	2.6591-02	5.5743-03	2.8107-01	4.9900+05	6.8924-03	1.0520+00

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39 1 -3.02 -15.02 .00 -.00 402 1 1.90 10.18 1638.3 1872.4

9.06221+01 3.35689-02 2.43510+00 4.74848+03 3.10788-05 7.34039-08 1.68668-01 7.72000+00 7.65910-06 7.39876-02

1	473.94	4.5102+01	7.6635+00	2.1342-02	7.6635+00	2.1342-02	4.4947-03	2.2528-01	3.9934+05	5.4802-03	4.1100-01
2	501.12	9.5805+01	1.6570+01	4.7001-02	1.6570+01	4.7001-02	9.8988-03	4.9613-01	8.7948+05	1.2084-02	7.1100-01
3	509.62	1.1209+02	1.9492+01	5.5613-02	1.9492+01	5.5613-02	1.1713-02	5.8704-01	1.0406+06	1.4304-02	1.3070+00
4	502.28	7.4036+01	1.2814+01	3.6377-02	1.2814+01	3.6377-02	7.6613-03	3.8399-01	6.8068+05	9.3531-03	1.6410+00
5	497.19	4.5744+01	8.2609+00	2.3370-02	8.2609+00	2.3370-02	4.9218-03	2.4668-01	4.3729+05	6.0073-03	1.7720+00
6	487.34	5.9756+00	1.0094+00	2.8363-03	1.0094+00	2.8363-03	5.9736-04	2.9940-02	5.3074+04	7.2877-04	2.4660+00
7	456.96	9.1475+00	1.5097+00	4.1570-03	1.5097+00	4.1570-03	8.7550-04	4.3880-02	7.7786+04	1.0666-03	3.0090+00
8	449.30	1.2407+01	2.0188+00	5.5307-03	2.0188+00	5.5307-03	1.1648-03	5.8380-02	1.0349+05	1.4186-03	3.3930+00
9	449.07	1.4095+01	2.2931+00	6.2814-03	2.2931+00	6.2814-03	1.3229-03	6.6305-02	1.1754+05	1.6111-03	3.7770+00
10	474.55	1.5891+01	2.6381+00	7.3496-03	2.6381+00	7.3496-03	1.5479-03	7.7581-02	1.3753+05	1.8873-03	5.3230+00
14	486.84	8.6011+01	1.4739+01	4.1404-02	1.4739+01	4.1404-02	8.7201-03	4.3705-01	7.7475+05	1.0638-02	1.0880+00
15	488.08	9.1611+01	1.5609+01	4.3883-02	1.5609+01	4.3883-02	9.2421-03	4.6322-01	8.2114+05	1.1276-02	1.3070+00
16	502.06	9.4518+01	1.6357+01	4.6427-02	1.6357+01	4.6427-02	9.7780-03	4.9008-01	8.6875+05	1.1937-02	1.6410+00
19	499.24	7.4135+01	1.1646+01	3.2991-02	1.1646+01	3.2991-02	6.9481-03	3.4824-01	6.1732+05	8.4812-03	4.1100-01
20	474.22	5.4483+01	8.8259+00	2.4583-02	8.8259+00	2.4583-02	5.1774-03	2.5949-01	4.6000+05	6.3126-03	7.1100-01
21	473.25	6.9118+01	1.1361+01	3.1624-02	1.1361+01	3.1624-02	6.6603-03	3.3382-01	5.9175+05	8.1203-03	1.0880+00
22	466.42	6.2792+01	1.0336+01	2.8641-02	1.0336+01	2.8641-02	6.0320-03	3.0233-01	5.3593+05	7.3520-03	1.3070+00
23	804.45	3.1013-01	6.0474-02	2.1685-04	6.0474-02	2.1685-04	4.5671-05	2.2891-03	4.0578+03	5.6629-05	1.6410+00
24	465.14	4.0577+00	6.6737-01	1.8476-03	6.6737-01	1.8476-03	3.8913-04	1.9503-02	3.4573+04	4.7425-04	3.0090+00
25	456.51	4.6130+00	7.3618-01	2.0265-03	7.3618-01	2.0265-03	4.2680-04	2.1391-02	3.7920+04	5.1996-04	3.3930+00
26	453.27	5.8945+00	9.4440-01	2.5941-03	9.4440-01	2.5941-03	5.4634-04	2.7383-02	4.8541+04	6.6550-04	3.7770+00
27	508.95	1.3521+02	2.2402+01	6.3886-02	2.2402+01	6.3886-02	1.3455-02	6.7436-01	1.1954+06	1.6431-02	7.1100-01
28	473.45	7.5101+01	1.2346+01	3.4371-02	1.2346+01	3.4371-02	7.2388-03	3.6281-01	6.4315+05	8.8257-03	1.0880+00
29	470.07	6.3176+01	1.0519+01	2.9218-02	1.0519+01	2.9218-02	6.1535-03	3.0842-01	5.4673+05	7.5014-03	1.3070+00
30	477.24	5.5719+01	9.3494+00	2.6094-02	9.3494+00	2.6094-02	5.4957-03	2.7544-01	4.8828+05	6.7016-03	1.6410+00
31	481.50	3.9673+01	6.7748+00	1.8963-02	6.7748+00	1.8963-02	3.9937-03	2.0016-01	3.5483+05	4.8710-03	1.7720+00
32	491.10	7.3335+00	1.2418+00	3.4983-03	1.2418+00	3.4983-03	7.3678-04	3.6927-02	6.5460+04	8.9901-04	2.4660+00
33	460.88	3.6592+00	6.0913-01	1.6816-03	6.0913-01	1.6816-03	3.5416-04	1.7751-02	3.1466+04	4.3155-04	3.0090+00
34	449.33	2.3662+00	3.8503-01	1.0549-03	3.8503-01	1.0549-03	2.2216-04	1.1135-02	1.9738+04	2.7057-04	3.3930+00
35	447.01	4.0499+00	6.3027-01	1.7241-03	6.3027-01	1.7241-03	3.6312-04	1.8199-02	3.2262+04	4.4219-04	3.7770+00
36	466.50	5.5233+01	9.0653+00	2.5120-02	9.0653+00	2.5120-02	5.2906-03	2.6516-01	4.7005+05	6.4483-03	1.3070+00
37	489.74	7.0914+00	1.2139+00	3.4168-03	1.2139+00	3.4168-03	7.1961-04	3.6067-02	6.3936+04	8.7861-04	2.4660+00
38	458.62	4.7449+00	7.7698-01	2.1418-03	7.7698-01	2.1418-03	4.5108-04	2.2608-02	4.0077+04	5.4960-04	3.0090+00
39	445.29	3.2836+00	5.2962-01	1.4472-03	5.2962-01	1.4472-03	3.0478-04	1.5276-02	2.7079+04	3.7113-04	3.3930+00
40	442.62	1.8301+00	2.9197-01	7.9639-04	2.9197-01	7.9639-04	1.6773-04	8.4065-03	1.4902+04	2.0421-04	3.7770+00
41	449.75	2.9714+00	4.6621-01	1.2776-03	4.6621-01	1.2776-03	2.6908-04	1.3486-02	2.3907+04	3.2772-04	4.1620+00
43	464.53	3.6369+00	6.0690-01	1.6795-03	6.0690-01	1.6795-03	3.5373-04	1.7729-02	3.1428+04	4.3109-04	5.3230+00
47	473.69	4.8563+01	7.9366+00	2.2098-02	7.9366+00	2.2098-02	4.6541-03	2.3326-01	4.1350+05	5.6744-03	7.1100-01
48	484.31	8.0707+01	1.3525+01	3.7928-02	1.3525+01	3.7928-02	7.9879-03	4.0035-01	7.0970+05	9.7437-03	1.0880+00
49	458.45	4.8129+01	7.9749+00	2.1981-02	7.9749+00	2.1981-02	4.6293-03	2.3202-01	4.1130+05	5.6403-03	1.3070+00
50	470.75	3.1618+01	5.3138+00	1.4767-02	5.3138+00	1.4767-02	3.1100-03	1.5587-01	2.7631+05	3.7913-03	1.6410+00
51	480.03	2.2013+01	3.7554+00	1.0501-02	3.7554+00	1.0501-02	2.2116-03	1.1085-01	1.9650+05	2.6972-03	1.7720+00
52	489.95	1.0318+01	1.7718+00	4.9877-03	1.7718+00	4.9877-03	1.0504-03	5.2648-02	9.3329+04	1.2817-03	2.4660+00
53	454.92	4.4400+00	7.2523-01	1.9942-03	7.2523-01	1.9942-03	4.2001-04	2.1051-02	3.7316+04	5.1165-04	3.0090+00
54	443.58	2.8681+00	4.5938-01	1.2542-03	4.5938-01	1.2542-03	2.6414-04	1.3239-02	2.3468+04	3.2161-04	3.3930+00
55	443.13	1.7101+00	2.6876-01	7.3334-04	2.6876-01	7.3334-04	1.5445-04	7.7409-03	1.3722+04	1.8805-04	3.7770+00
56	458.19	1.0140+01	1.5652+00	4.3133-03	1.5652+00	4.3133-03	9.0842-04	4.5530-02	8.0711+04	1.1068-03	4.1100-01
57	467.49	3.5784+01	5.7886+00	1.6051-02	5.7886+00	1.6051-02	3.3805-03	1.6943-01	3.0035+05	4.1204-03	7.1100-01
58	460.37	3.8060+01	6.2772+00	1.7324-02	6.2772+00	1.7324-02	3.6485-03	1.8286-01	3.2416+05	4.4457-03	1.0880+00
59	458.91	3.8268+01	6.3240+00	1.7436-02	6.3240+00	1.7436-02	3.6721-03	1.8405-01	3.2626+05	4.4742-03	1.3070+00
60	471.57	3.6981+01	6.1819+00	1.7188-02	6.1819+00	1.7188-02	3.6200-03	1.8144-01	3.2163+05	4.4132-03	1.6410+00
61	452.55	6.3958+00	1.0399+00	2.8550-03	1.0399+00	2.8550-03	6.0128-04	3.0137-02	5.3423+04	7.3241-04	3.0090+00
62	441.07	3.5605+00	5.6915-01	1.5509-03	5.6915-01	1.5509-03	3.2663-04	1.6371-02	2.9020+04	3.9765-04	3.3930+00
63	443.32	2.4971+00	3.9250-01	1.0711-03	3.9250-01	1.0711-03	2.2558-04	1.1306-02	2.0042+04	2.7466-04	3.7770+00
64	444.73	1.6738+01	2.7883+00	7.6159-03	2.7883+00	7.6159-03	1.6040-03	8.0392-02	1.4251+05	1.9531-03	1.0880+00
65	445.28	2.2202+01	3.6999+00	1.0110-02	3.6999+00	1.0110-02	2.1292-03	1.0672-01	1.8917+05	2.5927-03	1.3070+00
66	463.09	2.8220+01	4.7607+00	1.3161-02	4.7602+00	1.3161-02	2.7718-03	1.3892-01	2.4627+05	3.3778-03	1.6410+00
69	452.85	9.4826+00	1.5885+00	4.3622-03	1.5885+00	4.3622-03	9.1871-04	4.6046-02	8.1625+04	1.1191-03	4.1100-01
70	441.43	3.2005+00	5.3195-01	1.4498-03	5.3195-01	1.4498-03	3.0535-04	1.5304-02	2.7129+04	3.7175-04	7.1100-01
71	443.15	7.7906+00	1.2926+00	3.5270-03	1.2926+00	3.5270-03	7.4282-04	3.7230-02	6.5998+04	9.0443-04	1.3070+00
72	455.48	1.4974+01	2.5128+00	6.9123-03	2.5128+00	6.9123-03	1.4558-03	7.2965-02	1.2934+05	1.7735-03	1.6410+00
73	455.93	5.5922+00	9.0308-01	2.4850-03	9.0308-01	2.4850-03	5.2336-04	2.6231-02	4.6499+04	6.3758-04	3.7770+00
74	474.47	5.1262+00	8.5094-01	2.3706-03	8.5094-01	2.3706-03	4.9926-04	2.5023-02	4.4358+04	6.0874-04	5.3230+00
77	450.10	6.2255+00	1.0318+00	2.8282-03	1.0318+00	2.8282-03	5.9564-04	2.9854-02	5.2921+04	7.2546-04	3.0090+00
78	446.72	8.6094+00	1.4068+00	3.8475-03	1.4068+00	3.8475-03	8.1033-04	4.0614-02	7.1995+04	9.8678-04	3.3930+00
79	452.13	1.0192+01	1.6416+00	4.5057-03	1.6416+00	4.5057-03	9.4894-04	4.7561-02	8.4311+04	1.1559-03	3.7770+00
80	489.62	5.7943+00	9.9764-01	2.8078-03	9.9764-01	2.8078-03	5.9134-04	2.9638-02	5.2539+04	7.2150-04	2.4660+00
81	453.32	7.7377+00	1.2852+00	3.5304-03	1.2852+00	3.5304-03	7.4354-04	3.7266-02	6.6061+04	9.0571-04	3.0090+00
82	448.01	1.0743+01	1.7622+00	4.8237-03	1.7622+00	4.8237-03	1.0159-03	5.0917-02	9.0261+04	1.2372-03	3.3930+00
83	451.42	1.2912+01	2.1040+00	5.7724-03	2.1040+00	5.7724-03	1.2157-03	6.0932-02	1.0801+05	1.4807-03	3.7770+00
337	574.65	4.9203+01	9.7606+00	2.9154-02	9.7606+00	2.9154-02	6.1401-03	3.0774-01	5.4553+05	7.5215-03	7.1680+00
339	562.45	4.4559+01	8.9633+00	2.6539-02	8.9633+00	2.6539-02	5.5893-03	2.8013-01	4.9659+05	6.8428-03	8.1130+00
340	503.72	1.6364+01	3.1085+00	8.8330-03	3.1085+00	8.8330-03	1.8603-03	9.3239-02	1.6528+05	2.2713-03	8.6180+00
342	563.60	4.1199+01	8.3798+00	2.4831-02	8.3798+00	2.4831-02	5.2297-03	2.6211-01	4.6464+05	6.4029-03	7.1680+00
344	550.84	3.2967+01	6.6260+00	1.9439-02	6.6260+00	1.9439-02	4.0940-03	2.0519-01	3.6374+05	5.0094-03	8.1130+00
347	522.63	2.9365+01	5.6452+00	1.6252-02	5.6452+00	1.6252-02	3.4227-03	1.7155-01	3.0410+05	4.1825-03	7.1680+00
349	511.90	1.3676+01	2.6742+00	7.6416-03	2.6742+00	7.6416-03	1.6094-03	8.0663-02	1.4299+05	1.9656-03	8.1130+00
350	480.23	2.6182+00	4.6239-01	1.2931-03	4.6239-01	1.2931-03	2.7235-04	1.3650-02	2.4197+04	3.3215-04	8.6180+00
352	496.89	5.1938+00	9.5871-01	2.7116-03	9.5871-01	2.7116-03	5.7108-04	2.8623-02	5.0739+04	6.9701-04	7.1680+00
354	496.12	5.0208+00	9.6934-01	2.7402-03	9.6934-01	2.7402-03	5.7711-04	2.8925-02	5.1275+04	7.0435-04	8.1130+00
357	507.87	2.0797+01	3.8555+00	1.0987-02	3.8555+00	1.0987-02	2.3139-03	1.1597-01	2.0558+05	2.8256-03	7.1680+00
359	499.58	1.2431+01	2.2484+00	6.3709-03	2.2484+00	6.3709-03	1.3418-03	6.7250-02	1.1921+05	1.6379-03	8.1130+00
401	570.65	1.6620+02	1.4823+01	4.4148-02	1.4823+01	4.4148-02	9.2979-03	4.6601-01	8.2610+05	1.1388-02	4.5500-01
403	573.31	1.7297+02	1.5269+01	4.5562-02	1.5269+01	4.5562-02	9.5957-03	4.8094-01	8.5256+05	1.1754-02	6.8600-01
404	2003.76	-2.5217+02	4.0666+01	4.4457-02	4.0666+01	4.4457-02	9.3630-03	4.6927-01	8.3188+05	1.0491-02	8.0100-01
405	580.74	1.6676+02	1.4785+01	4.4355-02	1.4785+01	4.4355-02	9.3415-03	4.6820-01	8.2997+05	1.1447-02	1.0510+00
406	545.68	1.4137+02	1.2349+01	3.6131-02	1.2349+01	3.6131-02	7.6094-03	3.8139-01	6.7608+05	9.3086-03	1.1670+00
407	543.57	1.3075+02	1.1610+01	3.3918-02	1.1610+01	3.3918-02	7.1435-03	3.5803-01	6.3468+05	8.7377-03	1.2830+00
408	516.60	9.6706+01	8.1492+00	2.3363-02	8.1492+00	2.3363-02	4.9203-03	2.4661-01	4.3716+05	6.0108-03	5.1300-01
409	461.49	1.8808+01	1.5568+00	4.2997-03	1.5568+00	4.2997-03	9.0555-04	4.5386-02	8.0456+04	1.1035-03	5.7000-01
410	521.52	9.1556+01	7.5983+00	2.1857-02	7.5983+00	2.1857-02	4.6034-03	2.3072-01	4.0900+05	5.6249-03	6.2800-01
411	468.98	2.4257+01	2.0179+00	5.6010-03	2.0179+00	5.6010-03	1.1796-03	5.9122-02	1.0481+05	1.4379-03	6.8600-01
412	525.84	9.9473+01	8.5330+00	2.4620-02	8.5330+00	2.4620-02	5.1852-03	2.5988-01	4.6069+05	6.3371-03	7.4400-01
413	472.00	3.2144+01	2.6955+00	7.4966-03	2.6955+00	7.4966-03	1.5789-03	7.9133-02	1.4028+05	1.9248-03	8.0100-01
414	547.64	1.3538+02	1.1769+01	3.4482-02	1.1769+01	3.4482-02	7.2621-03	3.6398-01	6.4522+05	8.8846-03	8.5900-01
415	478.84	4.0289+01	3.3737+00	9.4261-03	3.3737+00	9.4261-03	1.9852-03	9.9499-02	1.7638+05	2.4210-03	9.1700-01
416	527.12	9.0561+01	7.2626+00	2.0973-02	7.2626+00	2.0973-02	4.4171-03	2.2139-01	3.9245+05	5.3987-03	5.7000-01
417	554.63	1.3391+02	1.1690+01	3.4420-02	1.1690+01	3.4420-02	7.2492-03	3.6333-01	6.4407+05	8.8716-03	1.0520+00

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39 1 -3.04 -15.04 .00 -.00 402 1 2.15 10.18 1638.3 1872.2

9.06129+01 3.35695-02 2.43515+00 4.74824+03 3.10825-05 7.33965-08 1.68697-01 7.72000+00 7.65823-06 7.39885-02

1	485.35	4.4923+01	7.6907+00	2.1585-02	7.6907+00	2.1585-02	4.5457-03	2.2785-01	4.0395+05	5.5455-03	4.1100-01
2	524.81	9.4188+01	1.6536+01	4.7683-02	1.6536+01	4.7683-02	1.0042-02	5.0333-01	8.9235+05	1.2273-02	7.1100-01
3	536.97	1.0921+02	1.9318+01	5.6180-02	1.9318+01	5.6180-02	1.1831-02	5.9302-01	1.0514+06	1.4468-02	1.3070+00
4	520.13	7.1643+01	1.2541+01	3.6047-02	1.2541+01	3.6047-02	7.5912-03	3.8050-01	6.7458+05	9.2757-03	1.6410+00
5	508.33	4.4104+01	8.0217+00	2.2870-02	8.0217+00	2.2870-02	4.8162-03	2.4141-01	4.2799+05	5.8817-03	1.7720+00
6	488.74	5.8281+00	9.8533-01	2.7719-03	9.8533-01	2.7719-03	5.8374-04	2.9259-02	5.1873+04	7.1224-04	2.4660+00
7	459.11	8.7034+00	1.4385+00	3.9671-03	1.4385+00	3.9671-03	8.3545-04	4.1876-02	7.4241+04	1.0180-03	3.0090+00
8	452.12	1.1591+01	1.8896+00	5.1872-03	1.8896+00	5.1872-03	1.0924-03	5.4755-02	9.7074+04	1.3307-03	3.3930+00
9	452.36	1.3358+01	2.1782+00	5.9802-03	2.1782+00	5.9802-03	1.2594-03	6.3126-02	1.1191+05	1.5341-03	3.7770+00
10	478.48	1.5679+01	2.6096+00	7.2905-03	2.6096+00	7.2905-03	1.5353-03	7.6956-02	1.3643+05	1.8724-03	5.3230+00
14	508.24	8.4143+01	1.4619+01	4.1676-02	1.4619+01	4.1676-02	8.7768-03	4.3992-01	7.7994+05	1.0718-02	1.0880+00
15	510.02	8.7765+01	1.5266+01	4.3573-02	1.5266+01	4.3573-02	9.1761-03	4.5994-01	8.1542+05	1.1207-02	1.3070+00
16	524.39	8.9684+01	1.5741+01	4.5377-02	1.5741+01	4.5377-02	9.5562-03	4.7899-01	8.4920+05	1.1679-02	1.6410+00
19	517.45	7.1501+01	1.1363+01	3.2599-02	1.1363+01	3.2599-02	6.8651-03	3.4410-01	6.1005+05	8.3874-03	4.1100-01
20	488.86	5.8063+01	9.4969+00	2.6718-02	9.4969+00	2.6718-02	5.6267-03	2.8203-01	5.0001+05	6.8653-03	7.1100-01
21	490.64	6.8236+01	1.1345+01	3.1956-02	1.1345+01	3.1956-02	6.7298-03	3.3732-01	5.9804+05	8.2120-03	1.0880+00
22	481.67	6.1720+01	1.0263+01	2.8735-02	1.0263+01	2.8735-02	6.0514-03	3.0332-01	5.3775+05	7.3811-03	1.3070+00
23	804.51	2.0623-01	4.0216-02	1.4424-04	4.0216-02	1.4424-04	3.0376-05	1.5226-03	2.6994+03	3.7667-05	1.6410+00
24	466.09	3.8930+00	6.4070-01	1.7751-03	6.4070-01	1.7751-03	3.7383-04	1.8738-02	3.3220+04	4.5566-04	3.0090+00
25	457.55	4.2816+00	6.8377-01	1.8838-03	6.8377-01	1.8838-03	3.9671-04	1.9884-02	3.5253+04	4.8335-04	3.3930+00
26	454.62	5.7501+00	9.2212-01	2.5355-03	9.2212-01	2.5355-03	5.3396-04	2.6764-02	4.7450+04	6.5050-04	3.7770+00
27	544.44	1.3695+02	2.3197+01	6.7817-02	2.3197+01	6.7817-02	1.4282-02	7.1586-01	1.2691+06	1.7471-02	7.1100-01
28	492.49	7.5084+01	1.2499+01	3.5250-02	1.2499+01	3.5250-02	7.4234-03	3.7209-01	6.5967+05	9.0590-03	1.0880+00
29	485.85	6.2615+01	1.0535+01	2.9578-02	1.0535+01	2.9578-02	6.2290-03	3.1222-01	5.5353+05	7.5992-03	1.3070+00
30	490.67	5.4413+01	9.2110+00	2.5946-02	9.2110+00	2.5946-02	5.4640-03	2.7387-01	4.8555+05	6.6674-03	1.6410+00
31	491.18	3.8851+01	6.6765+00	1.8813-02	6.6765+00	1.8813-02	3.9618-03	1.9858-01	3.5206+05	4.8345-03	1.7720+00
32	492.71	7.0535+00	1.1956+00	3.3724-03	1.1956+00	3.3724-03	7.1022-04	3.5599-02	6.3112+04	8.6672-04	2.4660+00
33	461.78	3.6395+00	6.0621-01	1.6748-03	6.0621-01	1.6748-03	3.5270-04	1.7679-02	3.1342+04	4.2981-04	3.0090+00
34	449.84	2.2031+00	3.5861-01	9.8294-04	3.5861-01	9.8294-04	2.0700-04	1.0376-02	1.8395+04	2.5213-04	3.3930+00
35	447.92	3.7969+00	5.9127-01	1.6186-03	5.9127-01	1.6186-03	3.4087-04	1.7086-02	3.0291+04	4.1514-04	3.7770+00
36	480.25	5.4588+01	9.0416+00	2.5290-02	9.0416+00	2.5290-02	5.3259-03	2.6695-01	4.7327+05	6.4957-03	1.3070+00
37	491.53	7.2151+00	1.2365+00	3.4851-03	1.2365+00	3.4851-03	7.3395-04	3.6788-02	6.5221+04	8.9563-04	2.4660+00
38	459.84	4.8140+00	7.8895-01	2.1768-03	7.8895-01	2.1768-03	4.5843-04	2.2978-02	4.0738+04	5.5861-04	3.0090+00
39	446.07	3.2405+00	5.2295-01	1.4298-03	5.2295-01	1.4298-03	3.0112-04	1.5093-02	2.6758+04	3.6669-04	3.3930+00
40	443.05	1.8031+00	2.8775-01	7.8520-04	2.8775-01	7.8520-04	1.6536-04	8.2883-03	1.4694+04	2.0134-04	3.7770+00
41	450.46	2.9101+00	4.5682-01	1.2526-03	4.5682-01	1.2526-03	2.6380-04	1.3223-02	2.3442+04	3.2132-04	4.1620+00
43	465.43	3.6140+00	6.0345-01	1.6712-03	6.0345-01	1.6712-03	3.5195-04	1.7641-02	3.1275+04	4.2897-04	5.3230+00
47	485.97	4.7830+01	7.8802+00	2.2126-02	7.8802+00	2.2126-02	4.6597-03	2.3356-01	4.1407+05	5.6847-03	7.1100-01
48	504.38	7.9529+01	1.3502+01	3.8388-02	1.3502+01	3.8388-02	8.0843-03	4.0522-01	7.1840+05	9.8710-03	1.0880+00
49	470.38	4.7663+01	7.9613+00	2.2121-02	7.9613+00	2.2121-02	4.6586-03	2.3350-01	4.1398+05	5.6793-03	1.3070+00
50	478.58	3.1220+01	5.2743+00	1.4736-02	5.2743+00	1.4736-02	3.1033-03	1.5555-01	2.7577+05	3.7847-03	1.6410+00
51	485.48	2.1619+01	3.7014+00	1.0389-02	3.7014+00	1.0389-02	2.1879-03	1.0967-01	1.9443+05	2.6692-03	1.7720+00
52	492.61	1.0557+01	1.8159+00	5.1217-03	1.8159+00	5.1217-03	1.0786-03	5.4063-02	9.5848+04	1.3163-03	2.4660+00
53	456.02	4.5340+00	7.4114-01	2.0398-03	7.4114-01	2.0398-03	4.2956-04	2.1531-02	3.8173+04	5.2335-04	3.0090+00
54	444.71	2.9039+00	4.6536-01	1.2712-03	4.6536-01	1.2712-03	2.6772-04	1.3419-02	2.3790+04	3.2600-04	3.3930+00
55	443.58	1.7979+00	2.8265-01	7.7155-04	2.8265-01	7.7155-04	1.6248-04	8.1443-03	1.4439+04	1.9785-04	3.7770+00
56	460.92	1.0235+01	1.5829+00	4.3705-03	1.5829+00	4.3705-03	9.2040-04	4.6134-02	8.1790+04	1.1216-03	4.1100-01
57	476.53	3.5451+01	5.7694+00	1.6097-02	5.7694+00	1.6097-02	3.3899-03	1.6991-01	3.0124+05	4.1338-03	7.1100-01
58	470.00	3.8418+01	6.3773+00	1.7716-02	6.3773+00	1.7716-02	3.7308-03	1.8700-01	3.3153+05	4.5482-03	1.0880+00
59	468.49	3.8222+01	6.3573+00	1.7642-02	6.3573+00	1.7642-02	3.7153-03	1.8623-01	3.3016+05	4.5290-03	1.3070+00
60	480.77	3.6716+01	6.1752+00	1.7278-02	6.1752+00	1.7278-02	3.6387-03	1.8239-01	3.2335+05	4.4381-03	1.6410+00
61	454.19	6.6810+00	1.0875+00	2.9893-03	1.0875+00	2.9893-03	6.2953-04	3.1554-02	5.5942+04	7.6691-04	3.0090+00
62	441.93	3.5569+00	5.6890-01	1.5513-03	5.6890-01	1.5513-03	3.2669-04	1.6375-02	2.9031+04	3.9777-04	3.3930+00
63	443.94	2.5081+00	3.9438-01	1.0768-03	3.9438-01	1.0768-03	2.2677-04	1.1367-02	2.0152+04	2.7613-04	3.7770+00
64	448.91	1.6665+01	2.7842+00	7.6269-03	2.7842+00	7.6269-03	1.6062-03	8.0508-02	1.4273+05	1.9562-03	1.0880+00
65	450.80	2.2140+01	3.7036+00	1.0158-02	3.7036+00	1.0158-02	2.1392-03	1.0723-01	1.9010+05	2.6057-03	1.3070+00
66	470.23	2.8302+01	4.7970+00	1.3328-02	4.7970+00	1.3328-02	2.8067-03	1.4068-01	2.4941+05	3.4217-03	1.6410+00
69	455.31	1.0152+01	1.7035+00	4.6862-03	1.7035+00	4.6862-03	9.8689-04	4.9467-02	8.7699+04	1.2023-03	4.1100-01
70	442.21	3.1683+00	5.2688-01	1.4370-03	5.2688-01	1.4370-03	3.0262-04	1.5168-02	2.6891+04	3.6846-04	7.1100-01
71	445.01	7.6707+00	1.2743+00	3.4819-03	1.2743+00	3.4819-03	7.3327-04	3.6754-02	6.5161+04	8.9292-04	1.3070+00
72	459.24	1.4958+01	2.5167+00	6.9412-03	2.5167+00	6.9412-03	1.4618-03	7.3270-02	1.2990+05	1.7812-03	1.6410+00
73	457.36	5.6104+00	9.0690-01	2.4982-03	9.0690-01	2.4982-03	5.2610-04	2.6370-02	4.6751+04	6.4100-04	3.7770+00
74	475.73	5.0634+00	8.4121-01	2.3458-03	8.4121-01	2.3458-03	4.9400-04	2.4761-02	4.3899+04	6.0239-04	5.3230+00
77	451.57	5.9335+00	9.8439-01	2.7013-03	9.8439-01	2.7013-03	5.6887-04	2.8514-02	5.0552+04	6.9294-04	3.0090+00
78	448.82	8.2156+00	1.3444+00	3.6824-03	1.3444+00	3.6824-03	7.7550-04	3.8871-02	6.8914+04	9.4451-04	3.3930+00
79	454.56	9.9610+00	1.6071+00	4.4187-03	1.6071+00	4.4187-03	9.3056-04	4.6643-02	8.2693+04	1.1337-03	3.7770+00
80	491.07	5.7719+00	9.9473-01	2.8027-03	9.9473-01	2.8027-03	5.9023-04	2.9585-02	5.2450+04	7.2024-04	2.4660+00
81	455.21	7.7673+00	1.2918+00	3.5534-03	1.2918+00	3.5534-03	7.4833-04	3.7509-02	6.6499+04	9.1168-04	3.0090+00
82	450.57	1.0238+01	1.6824+00	4.6137-03	1.6824+00	4.6137-03	9.7161-04	4.8701-02	8.6341+04	1.1835-03	3.3930+00
83	454.50	1.2535+01	2.0469+00	5.6278-03	2.0469+00	5.6278-03	1.1852-03	5.9405-02	1.0532+05	1.4438-03	3.7770+00
337	586.89	4.8796+01	9.7487+00	2.9383-02	9.7487+00	2.9383-02	6.1878-03	3.1015-01	5.4987+05	7.5849-03	7.1680+00
339	573.58	4.4316+01	8.9730+00	2.6785-02	8.9730+00	2.6785-02	5.6407-03	2.8273-01	5.0125+05	6.9098-03	8.1130+00
340	507.85	1.6443+01	3.1317+00	8.9253-03	3.1317+00	8.9253-03	1.8796-03	9.4213-02	1.6703+05	2.2954-03	8.6180+00
342	573.92	4.0993+01	8.3885+00	2.5046-02	8.3885+00	2.5046-02	5.2745-03	2.6438-01	4.6871+05	6.4614-03	7.1680+00
344	559.01	3.2558+01	6.5701+00	1.9408-02	6.5701+00	1.9408-02	4.0872-03	2.0486-01	3.6320+05	5.0032-03	8.1130+00
347	529.99	2.9375+01	5.6729+00	1.6418-02	5.6729+00	1.6418-02	3.4574-03	1.7330-01	3.0724+05	4.2266-03	7.1680+00
349	515.31	1.3667+01	2.6781+00	7.6719-03	2.6781+00	7.6719-03	1.6157-03	8.0983-02	1.4357+05	1.9737-03	8.1130+00
350	480.87	2.6551+00	4.6911-01	1.3127-03	4.6911-01	1.3127-03	2.7644-04	1.3856-02	2.4565+04	3.3717-04	8.6180+00
352	498.14	5.0732+00	9.3722-01	2.6534-03	9.3722-01	2.6534-03	5.5879-04	2.8009-02	4.9656+04	6.8209-04	7.1680+00
354	497.30	4.8104+00	9.2943-01	2.6299-03	9.2943-01	2.6299-03	5.5383-04	2.7760-02	4.9216+04	6.7601-04	8.1130+00
357	513.14	2.0699+01	3.8500+00	1.1013-02	3.8500+00	1.1013-02	2.3192-03	1.1625-01	2.0609+05	2.8329-03	7.1680+00
359	502.75	1.2588+01	2.2813+00	6.4791-03	2.2813+00	6.4791-03	1.3645-03	6.8391-02	1.2125+05	1.6659-03	8.1130+00
401	610.37	1.5225+02	1.3892+01	4.2601-02	1.3892+01	4.2601-02	8.9714-03	4.4968-01	7.9723+05	1.1010-02	4.5500-01
403	614.89	1.5852+02	1.4328+01	4.4087-02	1.4328+01	4.4087-02	9.2844-03	4.6537-01	8.2505+05	1.1396-02	6.8600-01
404	1983.09	-1.7255+02	2.7319+01	3.0009-02	2.7319+01	3.0009-02	6.3197-03	3.1677-01	5.6159+05	7.0862-03	8.0100-01
405	619.91	1.4990+02	1.3587+01	4.1964-02	1.3587+01	4.1964-02	8.8373-03	4.4296-01	7.8531+05	1.0850-02	1.0510+00
406	580.21	1.3314+02	1.1871+01	3.5605-02	1.1871+01	3.5605-02	7.4982-03	3.7584-01	6.6632+05	9.1882-03	1.1670+00
407	575.06	1.2192+02	1.1032+01	3.2965-02	1.1032+01	3.2965-02	6.9421-03	3.4797-01	6.1690+05	8.5047-03	1.2830+00
408	540.40	9.6001+01	8.2098+00	2.3934-02	8.2098+00	2.3934-02	5.0403-03	2.5264-01	4.4790+05	6.1645-03	5.1300-01
409	466.38	2.0062+01	1.6661+00	4.6170-03	1.6661+00	4.6170-03	9.7231-04	4.8736-02	8.6403+04	1.1851-03	5.7000-01
410	544.51	9.1660+01	7.7154+00	2.2558-02	7.7154+00	2.2558-02	4.7505-03	2.3811-01	4.2215+05	5.8113-03	6.2800-01
411	475.23	2.5713+01	2.1480+00	5.9879-03	2.1480+00	5.9879-03	1.2610-03	6.3207-02	1.1206+05	1.5377-03	6.8600-01
412	551.54	1.0368+02	9.0348+00	2.6547-02	9.0348+00	2.6547-02	5.5906-03	2.8022-01	4.9680+05	6.8413-03	7.4400-01
413	480.34	3.3815+01	2.8512+00	7.9755-03	2.8512+00	7.9755-03	1.6796-03	8.4187-02	1.4925+05	2.0485-03	8.0100-01
414	582.16	1.3675+02	1.2133+01	3.6444-02	1.2133+01	3.6444-02	7.6749-03	3.8470-01	6.8202+05	9.4056-03	8.5900-01
415	489.20	4.1932+01	3.5352+00	9.9481-03	3.5352+00	9.9481-03	2.0950-03	1.0501-01	1.8617+05	2.5562-03	9.1700-01
416	549.65	8.9273+01	7.2587+00	2.1299-02	7.2587+00	2.1299-02	4.4855-03	2.2483-01	3.9860+05	5.4885-03	5.7000-01
417	588.09	1.3141+02	1.1699+01	3.5293-02	1.1699+01	3.5293-02	7.4324-03	3.7254-01	6.6047+05	9.1111-03	1.0520+00

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39 1 -3.04 -15.04 .00 -.00 402 1 2.40 10.18 1638.3 1871.5

9.05762+01 3.35720-02 2.43533+00 4.74728+03 3.10974-05 7.33667-08 1.68812-01 7.72000+00 7.65474-06 7.39922-02

1	496.34	4.5059+01	7.7692+00	2.1972-02	7.7692+00	2.1972-02	4.6258-03	2.3193-01	4.1137+05	5.6498-03	4.1100-01
2	548.21	9.2916+01	1.6548+01	4.8516-02	1.6548+01	4.8516-02	1.0214-02	5.1212-01	9.0835+05	1.2506-02	7.1100-01
3	564.16	1.0742+02	1.9314+01	5.7271-02	1.9314+01	5.7271-02	1.2058-02	6.0454-01	1.0723+06	1.4774-02	1.3070+00
4	537.91	7.0751+01	1.2522+01	3.6446-02	1.2522+01	3.6446-02	7.6731-03	3.8471-01	6.8236+05	9.3897-03	1.6410+00
5	519.12	4.3102+01	7.8930+00	2.2674-02	7.8930+00	2.2674-02	4.7737-03	2.3934-01	4.2452+05	5.8365-03	1.7720+00
6	490.20	5.9595+00	1.0085+00	2.8403-03	1.0085+00	2.8403-03	5.9798-04	2.9981-02	5.3177+04	7.3013-04	2.4660+00
7	461.25	8.6608+00	1.4335+00	3.9596-03	1.4335+00	3.9596-03	8.3364-04	4.1797-02	7.4134+04	1.0165-03	3.0090+00
8	454.64	1.1589+01	1.8930+00	5.2069-03	1.8930+00	5.2069-03	1.0962-03	5.4962-02	9.7486+04	1.3364-03	3.3930+00
9	455.61	1.3283+01	2.1706+00	5.9731-03	2.1706+00	5.9731-03	1.2575-03	6.3050-02	1.1183+05	1.5331-03	3.7770+00
10	482.35	1.5555+01	2.5956+00	7.2713-03	2.5956+00	7.2713-03	1.5309-03	7.6754-02	1.3614+05	1.8685-03	5.3230+00
14	528.97	8.1850+01	1.4407+01	4.1670-02	1.4407+01	4.1670-02	8.7731-03	4.3986-01	7.8018+05	1.0731-02	1.0880+00
15	531.71	8.6266+01	1.5210+01	4.4077-02	1.5210+01	4.4077-02	9.2749-03	4.6527-01	8.2525+05	1.1353-02	1.3070+00
16	546.54	8.8107+01	1.5676+01	4.5904-02	1.5676+01	4.5904-02	9.6644-03	4.8455-01	8.5944+05	1.1831-02	1.6410+00
19	534.96	6.8938+01	1.1075+01	3.2168-02	1.1075+01	3.2168-02	6.7725-03	3.3955-01	6.0227+05	8.2864-03	4.1100-01
20	503.54	5.9004+01	9.7427+00	2.7689-02	9.7427+00	2.7689-02	5.8295-03	2.9228-01	5.1841+05	7.1222-03	7.1100-01
21	507.42	6.6410+01	1.1161+01	3.1805-02	1.1161+01	3.1805-02	6.6961-03	3.3573-01	5.9548+05	8.1824-03	1.0880+00
22	497.17	6.1579+01	1.0344+01	2.9270-02	1.0344+01	2.9270-02	6.1623-03	3.0896-01	5.4800+05	7.5266-03	1.3070+00
23	804.54	1.0493-01	2.0463-02	7.3408-05	2.0463-02	7.3408-05	1.5455-05	7.7488-04	1.3744+03	1.9179-05	1.6410+00
24	467.04	3.8488+00	6.3383-01	1.7575-03	6.3383-01	1.7575-03	3.7001-04	1.8551-02	3.2905+04	4.5131-04	3.0090+00
25	458.62	4.3158+00	6.8975-01	1.9018-03	6.8975-01	1.9018-03	4.0041-04	2.0075-02	3.5608+04	4.8819-04	3.3930+00
26	456.10	5.8078+00	9.3230-01	2.5663-03	9.3230-01	2.5663-03	5.4030-04	2.7090-02	4.8049+04	6.5869-04	3.7770+00
27	578.25	1.3244+02	2.2887+01	6.8560-02	2.2887+01	6.8560-02	1.4434-02	7.2370-01	1.2836+06	1.7698-02	7.1100-01
28	511.10	7.3983+01	1.2463+01	3.5604-02	1.2463+01	3.5604-02	7.4960-03	3.7583-01	6.6661+05	9.1615-03	1.0880+00
29	501.40	6.1644+01	1.0476+01	2.9731-02	1.0476+01	2.9731-02	6.2593-03	3.1383-01	5.5664+05	7.6466-03	1.3070+00
30	504.31	5.4404+01	9.2907+00	2.6418-02	9.2907+00	2.6418-02	5.5619-03	2.7886-01	4.9462+05	6.7955-03	1.6410+00
31	500.87	3.8579+01	6.6714+00	1.8925-02	6.6714+00	1.8925-02	3.9845-03	1.9977-01	3.5433+05	4.8674-03	1.7720+00
32	494.70	8.0343+00	1.3636+00	3.8521-03	1.3636+00	3.8521-03	8.1100-04	4.0661-02	7.2121+04	9.9043-04	2.4660+00
33	462.70	3.6540+00	6.0901-01	1.6838-03	6.0901-01	1.6838-03	3.5449-04	1.7773-02	3.1525+04	4.3230-04	3.0090+00
34	450.40	2.2265+00	3.6255-01	9.9425-04	3.6255-01	9.9425-04	2.0933-04	1.0495-02	1.8615+04	2.5512-04	3.3930+00
35	448.87	3.8400+00	5.9837-01	1.6393-03	5.9837-01	1.6393-03	3.4513-04	1.7304-02	3.0692+04	4.2062-04	3.7770+00
36	493.77	5.3809+01	8.9917+00	2.5385-02	8.9917+00	2.5385-02	5.3444-03	2.6795-01	4.7527+05	6.5266-03	1.3070+00
37	493.35	7.2894+00	1.2508+00	3.5301-03	1.2508+00	3.5301-03	7.4320-04	3.7262-02	6.6092+04	9.0758-04	2.4660+00
38	461.05	4.7870+00	7.8516-01	2.1684-03	7.8516-01	2.1684-03	4.5653-04	2.2889-02	4.0599+04	5.5668-04	3.0090+00
39	446.92	3.2229+00	5.2040-01	1.4239-03	5.2040-01	1.4239-03	2.9978-04	1.5030-02	2.6659+04	3.6531-04	3.3930+00
40	443.50	1.8286+00	2.9190-01	7.9687-04	2.9190-01	7.9687-04	1.6777-04	8.4116-03	1.4920+04	2.0441-04	3.7770+00
41	451.21	2.6649+00	4.1854-01	1.1484-03	4.1854-01	1.1484-03	2.4178-04	1.2122-02	2.1501+04	2.9469-04	4.1620+00
43	466.35	3.6275+00	6.0608-01	1.6797-03	6.0608-01	1.6797-03	3.5365-04	1.7731-02	3.1449+04	4.3133-04	5.3230+00
47	497.66	4.6345+01	7.6938+00	2.1778-02	7.6938+00	2.1778-02	4.5851-03	2.2988-01	4.0774+05	5.6003-03	7.1100-01
48	524.11	7.8252+01	1.3451+01	3.8774-02	1.3451+01	3.8774-02	8.1634-03	4.0929-01	7.2596+05	9.9832-03	1.0880+00
49	482.32	4.7423+01	7.9842+00	2.2366-02	7.9842+00	2.2366-02	4.7089-03	2.3609-01	4.1876+05	5.7475-03	1.3070+00
50	486.34	3.0913+01	5.2491+00	1.4744-02	5.2491+00	1.4744-02	3.1042-03	1.5564-01	2.7606+05	3.7896-03	1.6410+00
51	490.84	2.1355+01	3.6691+00	1.0338-02	3.6691+00	1.0338-02	2.1764-03	1.0912-01	1.9355+05	2.6575-03	1.7720+00
52	495.26	1.0575+01	1.8220+00	5.1490-03	1.8220+00	5.1490-03	1.0840-03	5.4352-02	9.6403+04	1.3239-03	2.4660+00
53	457.19	4.6436+00	7.5966-01	2.0926-03	7.5966-01	2.0926-03	4.4058-04	2.2089-02	3.9180+04	5.3713-04	3.0090+00
54	445.44	2.8795+00	4.6167-01	1.2620-03	4.6167-01	1.2620-03	2.6569-04	1.3321-02	2.3627+04	3.2375-04	3.3930+00
55	444.04	1.8286+00	2.8756-01	7.8529-04	2.8756-01	7.8529-04	1.6533-04	8.2894-03	1.4703+04	2.0145-04	3.7770+00
56	463.41	1.0245+01	1.5871+00	4.3899-03	1.5871+00	4.3899-03	9.2424-04	4.6339-02	8.2192+04	1.1271-03	4.1100-01
57	485.30	3.4892+01	5.7112+00	1.6031-02	5.7112+00	1.6031-02	3.3751-03	1.6922-01	3.0015+05	4.1201-03	7.1100-01
58	479.62	3.8335+01	6.4042+00	1.7908-02	6.4042+00	1.7908-02	3.7702-03	1.8903-01	3.3528+05	4.6012-03	1.0880+00
59	478.06	3.8153+01	6.3863+00	1.7839-02	6.3863+00	1.7839-02	3.7557-03	1.8830-01	3.3399+05	4.5832-03	1.3070+00
60	489.94	3.6305+01	6.1428+00	1.7297-02	6.1428+00	1.7297-02	3.6416-03	1.8258-01	3.2384+05	4.4463-03	1.6410+00
61	455.95	6.9714+00	1.1361+00	3.1270-03	1.1361+00	3.1270-03	6.5834-04	3.3008-02	5.8546+04	8.0258-04	3.0090+00
62	442.84	3.6847+00	5.8971-01	1.6092-03	5.8971-01	1.6092-03	3.3879-04	1.6986-02	3.0129+04	4.1278-04	3.3930+00
63	444.57	2.4722+00	3.8891-01	1.0625-03	3.8891-01	1.0625-03	2.2369-04	1.1215-02	1.9892+04	2.7256-04	3.7770+00
64	453.03	1.6735+01	2.8037+00	7.7021-03	2.8037+00	7.7021-03	1.6216-03	8.1301-02	1.4420+05	1.9766-03	1.0880+00
65	456.30	2.2243+01	3.7349+00	1.0282-02	3.7349+00	1.0282-02	2.1648-03	1.0854-01	1.9251+05	2.6391-03	1.3070+00
66	477.28	2.8103+01	4.7856+00	1.3361-02	4.7856+00	1.3361-02	2.8129-03	1.4103-01	2.5015+05	3.4325-03	1.6410+00
69	457.98	1.0761+01	1.8089+00	4.9855-03	1.8089+00	4.9855-03	1.0496-03	5.2626-02	9.3342+04	1.2797-03	4.1100-01
70	443.02	3.1595+00	5.2571-01	1.4347-03	5.2571-01	1.4347-03	3.0206-04	1.5144-02	2.6861+04	3.6802-04	7.1100-01
71	446.93	7.7361+00	1.2869+00	3.5212-03	1.2869+00	3.5212-03	7.4133-04	3.7168-02	6.5926+04	9.0339-04	1.3070+00
72	462.97	1.4744+01	2.4870+00	6.8771-03	2.4870+00	6.8771-03	1.4479-03	7.2593-02	1.2876+05	1.7657-03	1.6410+00
73	458.76	5.5958+00	9.0540-01	2.4967-03	9.0540-01	2.4967-03	5.2564-04	2.6354-02	4.6745+04	6.4089-04	3.7770+00
74	476.99	5.0836+00	8.4528-01	2.3594-03	8.4528-01	2.3594-03	4.9674-04	2.4905-02	4.4175+04	6.0616-04	5.3230+00
77	453.00	5.9127+00	9.8190-01	2.6974-03	9.8190-01	2.6974-03	5.6789-04	2.8473-02	5.0502+04	6.9222-04	3.0090+00
78	450.83	7.9543+00	1.3034+00	3.5755-03	1.3034+00	3.5755-03	7.5276-04	3.7742-02	6.6942+04	9.1748-04	3.3930+00
79	457.11	1.0166+01	1.6430+00	4.5258-03	1.6430+00	4.5258-03	9.5285-04	4.7774-02	8.4736+04	1.1617-03	3.7770+00
80	492.51	5.7553+00	9.9279-01	2.8004-03	9.9279-01	2.8004-03	5.8958-04	2.9560-02	5.2431+04	7.1996-04	2.4660+00
81	457.18	7.7886+00	1.2971+00	3.5731-03	1.2971+00	3.5731-03	7.5226-04	3.7717-02	6.6898+04	9.1713-04	3.0090+00
82	453.05	1.0108+01	1.6638+00	4.5707-03	1.6638+00	4.5707-03	9.6231-04	4.8248-02	8.5577+04	1.1730-03	3.3930+00
83	457.63	1.2657+01	2.0711+00	5.7070-03	2.0711+00	5.7070-03	1.2015-03	6.0242-02	1.0685+05	1.4649-03	3.7770+00
337	599.02	4.8336+01	9.7239+00	2.9574-02	9.7239+00	2.9574-02	6.2263-03	3.1217-01	5.5370+05	7.6418-03	7.1680+00
339	584.65	4.4092+01	8.9854+00	2.7041-02	8.9854+00	2.7041-02	5.6932-03	2.8544-01	5.0629+05	6.9825-03	8.1130+00
340	511.96	1.6416+01	3.1348+00	8.9607-03	3.1348+00	8.9607-03	1.8865-03	9.4587-02	1.6777+05	2.3058-03	8.6180+00
342	584.12	4.0598+01	8.3571+00	2.5141-02	8.3571+00	2.5141-02	5.2931-03	2.6538-01	4.7071+05	6.4917-03	7.1680+00
344	567.09	3.2315+01	6.5523+00	1.9471-02	6.5523+00	1.9471-02	4.0992-03	2.0553-01	3.6454+05	5.0233-03	8.1130+00
347	537.32	2.9204+01	5.6653+00	1.6482-02	5.6653+00	1.6482-02	3.4702-03	1.7398-01	3.0860+05	4.2464-03	7.1680+00
349	518.73	1.3741+01	2.6984+00	7.7494-03	2.6984+00	7.7494-03	1.6315-03	8.1800-02	1.4509+05	1.9947-03	8.1130+00
350	481.54	2.6390+00	4.6647-01	1.3060-03	4.6647-01	1.3060-03	2.7497-04	1.3786-02	2.4453+04	3.3560-04	8.6180+00
352	499.41	5.1252+00	9.4759-01	2.6855-03	9.4759-01	2.6855-03	5.6539-04	2.8347-02	5.0279+04	6.9063-04	7.1680+00
354	498.49	4.8494+00	9.3768-01	2.6557-03	9.3768-01	2.6557-03	5.5912-04	2.8033-02	4.9722+04	6.8295-04	8.1130+00
357	518.22	2.0377+01	3.8024+00	1.0916-02	3.8024+00	1.0916-02	2.2982-03	1.1523-01	2.0438+05	2.8098-03	7.1680+00
359	505.91	1.2641+01	2.2955+00	6.5345-03	2.2955+00	6.5345-03	1.3758-03	6.8977-02	1.2234+05	1.6810-03	8.1130+00
401	646.66	1.3913+02	1.2949+01	4.0816-02	1.2949+01	4.0816-02	8.5932-03	4.3084-01	7.6419+05	1.0572-02	4.5500-01
403	652.66	1.4323+02	1.3215+01	4.1847-02	1.3215+01	4.1847-02	8.8103-03	4.4172-01	7.8349+05	1.0842-02	6.8600-01
404	2050.03	-2.3687+02	3.4764+01	4.3024-02	3.9764+01	4.3024-02	9.0580-03	4.5415-01	8.0552+05	1.0140-02	8.0100-01
405	655.34	1.3573+02	1.2541+01	3.9794-02	1.2541+01	3.9794-02	8.3780-03	4.2006-01	7.4504+05	1.0312-02	1.0510+00
406	612.32	1.2456+02	1.1310+01	3.4738-02	1.1310+01	3.4738-02	7.3136-03	3.6669-01	6.5039+05	8.9822-03	1.1670+00
407	604.39	1.1441+02	1.0528+01	3.2145-02	1.0528+01	3.2145-02	6.7677-03	3.3932-01	6.0184+05	8.3084-03	1.2830+00
408	564.61	9.5496+01	8.2863+00	2.4579-02	8.2863+00	2.4579-02	5.1748-03	2.5945-01	4.6018+05	6.3605-03	5.1300-01
409	471.53	2.1210+01	1.7675+00	4.9156-03	1.7675+00	4.9156-03	1.0349-03	5.1888-02	9.2034+04	1.2626-03	5.7000-01
410	567.47	9.0994+01	7.7652+00	2.3081-02	7.7652+00	2.3081-02	4.8593-03	2.4363-01	4.3213+05	5.9548-03	6.2800-01
411	481.84	2.7156+01	2.2785+00	6.3806-03	2.2785+00	6.3806-03	1.3434-03	6.7353-02	1.1946+05	1.6396-03	6.8600-01
412	578.05	1.0560+02	9.3478+00	2.7998-02	9.3478+00	2.7998-02	5.8945-03	2.9554-01	5.2419+05	7.2271-03	7.4400-01
413	489.04	3.5115+01	2.9778+00	8.3797-03	2.9778+00	8.3797-03	1.7642-03	8.8454-02	1.5689+05	2.1540-03	8.0100-01
414	616.43	1.3478+02	1.2193+01	3.7565-02	1.2193+01	3.7565-02	7.9087-03	3.9652-01	7.0331+05	9.7151-03	8.5900-01
415	499.84	4.3051+01	3.6546+00	1.0360-02	3.6546+00	1.0360-02	2.1812-03	1.0936-01	1.9397+05	2.6644-03	9.1700-01
416	571.75	8.7539+01	7.2118+00	2.1502-02	7.2118+00	2.1502-02	4.5269-03	2.2697-01	4.0257+05	5.5487-03	5.7000-01
417	620.56	1.2692+02	1.1508+01	3.5565-02	1.1508+01	3.5565-02	7.4876-03	3.7541-01	6.6586+05	9.1997-03	1.0520+00

CONFIDENTIAL

39 1 -3.04 -15.04 .00 -.00 402 1 2.65 10.18 1638.3 1871.3

9.05670+01 3.35726-02 2.43537+00 4.74703+03 3.11012-05 7.33592-08 1.68841-01 7.72000+00 7.65386-06 7.39932-02

1	507.69	4.6391+01	8.0573+00	2.2954-02	8.0573+00	2.2954-02	4.8324-03	2.4230-01	4.2982+05	5.9087-03	4.1100-01
2	571.26	9.1546+01	1.6529+01	4.9244-02	1.6529+01	4.9244-02	1.0367-02	5.1980-01	9.2208+05	1.2714-02	7.1100-01
3	590.73	1.0515+02	1.9202+01	5.8020-02	1.9202+01	5.8020-02	1.2214-02	6.1244-01	1.0864+06	1.4995-02	1.3070+00
4	555.47	7.0088+01	1.2537+01	3.6930-02	1.2537+01	3.6930-02	7.7746-03	3.8983-01	6.9151+05	9.5279-03	1.6410+00
5	529.83	4.2669+01	7.8660+00	2.2756-02	7.8660+00	2.2756-02	4.7905-03	2.4020-01	4.2609+05	5.8637-03	1.7720+00
6	491.73	6.0909+00	1.0318+00	2.9076-03	1.0318+00	2.9076-03	6.1211-04	3.0692-02	5.4444+04	7.4789-04	2.4660+00
7	463.43	8.6821+00	1.4392+00	3.9793-03	1.4392+00	3.9793-03	8.3773-04	4.2005-02	7.4512+04	1.0222-03	3.6090+00
8	457.93	1.1879+01	1.9444+00	5.3566-03	1.9444+00	5.3566-03	1.1277-03	5.6543-02	1.0030+05	1.3757-03	3.3930+00
9	459.01	1.3616+01	2.2302+00	6.1485-03	2.2302+00	6.1485-03	1.2944-03	6.4902-02	1.1513+05	1.5791-03	3.7770+00
10	486.25	1.5540+01	2.5996+00	7.2988-03	2.5996+00	7.2988-03	1.5366-03	7.7044-02	1.3667+05	1.8769-03	5.3230+00
14	549.11	7.9816+01	1.4223+01	4.1706-02	1.4223+01	4.1706-02	8.7801-03	4.4024-01	7.8094+05	1.0757-02	1.0880+00
15	553.14	8.5094+01	1.5200+01	4.4700-02	1.5200+01	4.4700-02	9.4104-03	4.7185-01	8.3701+05	1.1531-02	1.3070+00
16	568.41	8.6814+01	1.5649+01	4.6524-02	1.5649+01	4.6524-02	9.7944-03	4.9110-01	8.7116+05	1.2011-02	1.6410+00
19	551.89	6.6605+01	1.0811+01	3.1764-02	1.0811+01	3.1764-02	6.6871-03	3.3530-01	5.9478+05	8.1937-03	4.1100-01
20	518.39	5.9737+01	9.9568+00	2.8576-02	9.9568+00	2.8576-02	6.0159-03	3.0164-01	5.3508+05	7.3595-03	7.1100-01
21	523.80	6.4901+01	1.1021+01	3.1748-02	1.1021+01	3.1748-02	6.6837-03	3.3513-01	5.9448+05	8.1786-03	1.0880+00
22	512.52	6.1007+01	1.0349+01	2.9580-02	1.0349+01	2.9580-02	6.2273-03	3.1224-01	5.5389+05	7.6160-03	1.3070+00
23	804.58	1.0701-01	2.0868-02	7.4825-05	2.0868-02	7.4825-05	1.5752-05	7.8983-04	1.4011+03	1.9563-05	1.6410+00
24	467.99	3.9117+00	6.4460-01	1.7877-03	6.4460-01	1.7877-03	3.7636-04	1.8871-02	3.3475+04	4.5934-04	3.6090+00
25	459.68	4.2670+00	6.8243-01	1.8822-03	6.8243-01	1.8822-03	3.9625-04	1.9868-02	3.5245+04	4.8344-04	3.3930+00
26	457.54	5.8275+00	9.3638-01	2.5790-03	9.3638-01	2.5790-03	5.4293-04	2.7223-02	4.8291+04	6.6233-04	3.7770+00
27	610.77	1.2719+02	2.2391+01	6.8663-02	2.2391+01	6.8663-02	1.4455-02	7.2479-01	1.2857+06	1.7763-02	7.1100-01
28	529.47	7.2952+01	1.2432+01	3.5954-02	1.2432+01	3.5954-02	7.5691-03	3.7952-01	6.7324+05	9.2646-03	1.0880+00
29	516.68	6.0671+01	1.0411+01	2.9846-02	1.0411+01	2.9846-02	6.2831-03	3.1504-01	5.5885+05	7.6859-03	1.3070+00
30	517.88	5.4202+01	9.3362+00	2.6785-02	9.3362+00	2.6785-02	5.6389-03	2.8274-01	5.0155+05	6.8982-03	1.6410+00
31	510.47	3.8261+01	6.6570+00	1.9002-02	6.6570+00	1.9002-02	4.0002-03	2.0058-01	3.5580+05	4.8919-03	1.7720+00
32	496.71	8.0499+00	1.3680+00	3.8682-03	1.3680+00	3.8682-03	8.1434-04	4.0832-02	7.2431+04	9.9521-04	2.4660+00
33	463.60	3.6634+00	6.1094-01	1.6894-03	6.1094-01	1.6894-03	3.5566-04	1.7833-02	3.1634+04	4.3400-04	3.6090+00
34	450.96	2.2145+00	3.6075-01	9.8926-04	3.6075-01	9.8926-04	2.0826-04	1.0442-02	1.8524+04	2.5398-04	3.3930+00
35	449.84	3.8707+00	6.0355-01	1.6539-03	6.0355-01	1.6539-03	3.4818-04	1.7458-02	3.0969+04	4.2460-04	3.7770+00
36	507.13	5.3070+01	8.9446+00	2.5473-02	8.9446+00	2.5473-02	5.3625-03	2.6868-01	4.7697+05	6.5568-03	1.3070+00
37	495.19	7.4436+00	1.2788+00	3.6121-03	1.2788+00	3.6121-03	7.6042-04	3.8128-02	6.7635+04	9.2925-04	2.4660+00
38	462.22	4.7434+00	7.7862-01	2.1512-03	7.7862-01	2.1512-03	4.5287-04	2.2707-02	4.0280+04	5.5257-04	3.6090+00
39	447.70	3.0208+00	4.8803-01	1.3355-03	4.8803-01	1.3355-03	2.8114-04	1.4097-02	2.5006+04	3.4282-04	3.3930+00
40	443.97	1.8119+00	2.8934-01	7.8981-04	2.8934-01	7.8981-04	1.6627-04	8.3370-03	1.4789+04	2.0271-04	3.7770+00
41	451.83	2.4945+00	3.9195-01	1.0754-03	3.9195-01	1.0754-03	2.2640-04	1.1352-02	2.0137+04	2.7612-04	4.1620+00
43	467.24	3.6094+00	6.0340-01	1.6726-03	6.0340-01	1.6726-03	3.5213-04	1.7656-02	3.1320+04	4.2975-04	5.3230+00
47	509.11	4.5131+01	7.5472+00	2.1522-02	7.5472+00	2.1522-02	4.5309-03	2.2718-01	4.0300+05	5.5405-03	7.1100-01
48	543.52	7.6841+01	1.3367+01	3.9043-02	1.3367+01	3.9043-02	8.2194-03	4.1213-01	7.3107+05	1.0067-02	1.0880+00
49	494.11	4.7013+01	7.9762+00	2.2514-02	7.9762+00	2.2514-02	4.7396-03	2.3765-01	4.2157+05	5.7916-03	1.3070+00
50	494.03	3.0606+01	5.2231+00	1.4742-02	5.2231+00	1.4742-02	3.1035-03	1.5561-01	2.7604+05	3.7923-03	1.6410+00
51	496.13	2.1153+01	3.6467+00	1.0307-02	3.6467+00	1.0307-02	2.1699-03	1.0880-01	1.9300+05	2.6518-03	1.7720+00
52	497.90	1.0563+01	1.8232+00	5.1593-03	1.8232+00	5.1593-03	1.0861-03	5.4461-02	9.6608+04	1.3275-03	2.4660+00
53	458.36	4.7829+00	7.8306-01	2.1579-03	7.8306-01	2.1579-03	4.5428-04	2.2778-02	4.0406+04	5.5421-04	3.6090+00
54	446.16	2.8597+00	4.5874-01	1.2540-03	4.5874-01	1.2540-03	2.6400-04	1.3237-02	2.3481+04	3.2189-04	3.3930+00
55	444.51	1.7480+00	2.7498-01	7.5089-04	2.7498-01	7.5089-04	1.5808-04	7.9262-03	1.4060+04	1.9273-04	3.7770+00
56	465.91	1.0749+01	1.6678+00	4.6192-03	1.6678+00	4.6192-03	9.7244-04	4.8759-02	8.6494+04	1.1867-03	4.1100-01
57	493.95	3.4554+01	5.6878+00	1.6053-02	5.6878+00	1.6053-02	3.3794-03	1.6945-01	3.0058+05	4.1295-03	7.1100-01
58	489.18	3.8163+01	6.4156+00	1.8048-02	6.4156+00	1.8048-02	3.7996-03	1.9051-01	3.3795+05	4.6419-03	1.0880+00
59	487.55	3.8078+01	6.4138+00	1.8023-02	6.4138+00	1.8023-02	3.7943-03	1.9025-01	3.3748+05	4.6350-03	1.3070+00
60	498.94	3.5784+01	6.0900+00	1.7246-02	6.0900+00	1.7246-02	3.6307-03	1.8205-01	3.2294+05	4.4376-03	1.6410+00
61	457.69	6.9262+00	1.1301+00	3.1127-03	1.1301+00	3.1127-03	6.5530-04	3.2857-02	5.8285+04	7.9941-04	3.0090+00
62	443.76	3.6831+00	5.8984-01	1.6099-03	5.8984-01	1.6099-03	3.3891-04	1.6993-02	3.0145+04	4.1319-04	3.3930+00
63	445.16	2.5096+00	3.9496-01	1.0790-03	3.9496-01	1.0790-03	2.2715-04	1.1389-02	2.0203+04	2.7694-04	3.7770+00
64	457.21	1.6956+01	2.8488+00	7.8446-03	2.8488+00	7.8446-03	1.6515-03	8.2806-02	1.4689+05	2.0146-03	1.0880+00
65	461.88	2.2470+01	3.7872+00	1.0461-02	3.7872+00	1.0461-02	2.2022-03	1.1042-01	1.9588+05	2.6870-03	1.3070+00
66	484.28	2.7852+01	4.7648+00	1.3360-02	4.7648+00	1.3360-02	2.8125-03	1.4102-01	2.5016+05	3.4353-03	1.6410+00
69	460.73	1.1121+01	1.8729+00	5.1692-03	1.8729+00	5.1692-03	1.0882-03	5.4565-02	9.6793+04	1.3277-03	4.1100-01
70	443.80	3.1699+00	5.2772-01	1.4404-03	5.2772-01	1.4404-03	3.0323-04	1.5204-02	2.6970+04	3.6968-04	7.1100-01
71	448.91	7.6961+00	1.2820+00	3.5109-03	1.2820+00	3.5109-03	7.3911-04	3.7060-02	6.5741+04	9.0130-04	1.3070+00
72	466.61	1.4462+01	2.4454+00	6.7758-03	2.4454+00	6.7758-03	1.4264-03	7.1523-02	1.2687+05	1.7409-03	1.6410+00
73	460.14	5.5984+00	9.0667-01	2.5015-03	9.0667-01	2.5015-03	5.2661-04	2.6405-02	4.6840+04	6.4250-04	3.7770+00
74	478.27	5.1434+00	8.5594-01	2.3903-03	8.5594-01	2.3903-03	5.0320-04	2.5231-02	4.4757+04	6.1444-04	5.3230+00
77	454.48	6.0987+00	1.0138+00	2.7866-03	1.0138+00	2.7866-03	5.8664-04	2.9414-02	5.2178+04	7.1554-04	3.0090+00
78	452.77	7.9034+00	1.2968+00	3.5604-03	1.2968+00	3.5604-03	7.4954-04	3.7583-02	6.6668+04	9.1417-04	3.3930+00
79	459.65	1.0174+01	1.6471+00	4.5429-03	1.6471+00	4.5429-03	9.5638-04	4.7954-02	8.5065+04	1.1668-03	3.7770+00
80	493.95	5.7792+00	9.9784-01	2.8162-03	9.9784-01	2.8162-03	5.9287-04	2.9727-02	5.2733+04	7.2446-04	2.4660+00
81	459.13	7.8005+00	1.3008+00	3.5865-03	1.3008+00	3.5865-03	7.5502-04	3.7858-02	6.7156+04	9.2113-04	3.0090+00
82	455.55	1.0255+01	1.6909+00	4.6509-03	1.6909+00	4.6509-03	9.7912-04	4.9094-02	8.7088+04	1.1943-03	3.3930+00
83	460.84	1.2676+01	2.0789+00	5.7382-03	2.0789+00	5.7382-03	1.2080-03	6.0571-02	1.0745+05	1.4739-03	3.7770+00
337	611.07	4.7995+01	9.7210+00	2.9816-02	9.7210+00	2.9816-02	6.2770-03	3.1473-01	5.5831+05	7.7136-03	7.1680+00
339	595.61	4.3823+01	8.9867+00	2.7251-02	8.9867+00	2.7251-02	5.7370-03	2.8766-01	5.1028+05	7.0446-03	8.1130+00
340	516.08	1.6378+01	3.1357+00	8.9849-03	3.1357+00	8.9849-03	1.8915-03	9.4843-02	1.6824+05	2.3137-03	8.6180+00
342	594.22	4.0206+01	8.3244+00	2.5217-02	8.3244+00	2.5217-02	5.3087-03	2.6619-01	4.7219+05	6.5183-03	7.1680+00
344	575.15	3.2108+01	6.5411+00	1.9542-02	6.5411+00	1.9542-02	4.1140-03	2.0628-01	3.6592+05	5.0466-03	8.1130+00
347	544.58	2.9008+01	5.6523+00	1.6522-02	5.6523+00	1.6522-02	3.4782-03	1.7440-01	3.0937+05	4.2604-03	7.1680+00
349	522.18	1.3721+01	2.7002+00	7.7699-03	2.7002+00	7.7699-03	1.6357-03	8.2017-02	1.4549+05	2.0014-03	8.1130+00
350	482.20	2.6701+00	4.7218-01	1.3221-03	4.7218-01	1.3221-03	2.7833-04	1.3955-02	2.4756+04	3.3992-04	8.6180+00
352	500.70	5.2239+00	9.6664-01	2.7407-03	9.6664-01	2.7407-03	5.7698-04	2.8930-02	5.1319+04	7.0526-04	7.1680+00
354	499.71	4.8343+00	9.3550-01	2.6507-03	9.3550-01	2.6507-03	5.5802-04	2.7980-02	4.9633+04	6.8206-04	8.1130+00
357	523.29	2.0392+01	3.8172+00	1.0993-02	3.8172+00	1.0993-02	2.3142-03	1.1603-01	2.0583+05	2.8317-03	7.1680+00
359	509.08	1.2675+01	2.3065+00	6.5773-03	2.3065+00	6.5773-03	1.3847-03	6.9428-02	1.2316+05	1.6932-03	8.1130+00
401	679.81	1.2731+02	1.2056+01	3.8972-02	1.2056+01	3.8972-02	8.2045-03	4.1138-01	7.2975+05	1.0118-02	4.5500-01
403	686.47	1.2877+02	1.2091+01	3.9292-02	1.2091+01	3.9292-02	8.2717-03	4.1475-01	7.3573+05	1.0205-02	6.8600-01
404	2130.54	-2.4131+02	4.3329+01	4.6044-02	4.3329+01	4.6044-02	9.6933-03	4.8603-01	8.6217+05	1.0827-02	8.0100-01
405	687.50	1.2386+02	1.1636+01	3.7844-02	1.1636+01	3.7844-02	7.9669-03	3.9947-01	7.0861+05	9.8291-03	1.0510+00
406	642.45	1.1670+02	1.0772+01	3.3831-02	1.0772+01	3.3831-02	7.1221-03	3.5711-01	6.3347+05	8.7661-03	1.1670+00
407	632.11	1.0789+02	1.0080+01	3.1410-02	1.0080+01	3.1410-02	6.6125-03	3.3156-01	5.8815+05	8.1346-03	1.2830+00
408	588.34	9.3617+01	8.2363+00	2.4843-02	8.2363+00	2.4843-02	5.2300-03	2.6224-01	4.6518+05	6.4198-03	5.1300-01
409	476.98	2.2418+01	1.8749+00	5.2313-03	1.8749+00	5.2313-03	1.1013-03	5.5220-02	9.7955+04	1.3447-03	5.7000-01
410	590.11	8.9985+01	7.7807+00	2.3499-02	7.7807+00	2.3499-02	4.9471-03	2.4805-01	4.4002+05	6.0730-03	6.2800-01
411	488.82	2.8674+01	2.4168+00	6.7974-03	2.4168+00	6.7974-03	1.4310-03	7.1751-02	1.2728+05	1.7582-03	6.8600-01
412	604.68	1.0472+02	9.4117+00	2.8731-02	9.4117+00	2.8731-02	6.0485-03	3.0328-01	5.3799+05	7.4305-03	7.4400-01
413	498.04	3.6406+01	3.1053+00	8.7886-03	3.1053+00	8.7886-03	1.8502-03	9.2770-02	1.6456+05	2.2613-03	8.0100-01
414	649.86	1.3047+02	1.2019+01	3.7962-02	1.2019+01	3.7962-02	7.9918-03	4.0071-01	7.1083+05	9.8403-03	8.5900-01
415	510.77	4.4111+01	3.7708+00	1.0765-02	3.7708+00	1.0765-02	2.2664-03	1.1364-01	2.0158+05	2.7716-03	9.1700-01
416	593.47	8.5892+01	7.1655+00	2.1694-02	7.1655+00	2.1694-02	4.5671-03	2.2900-01	4.0622+05	5.6075-03	5.7000-01
417	651.72	1.2151+02	1.1205+01	3.5440-02	1.1205+01	3.5440-02	7.4608-03	3.7409-01	6.6360+05	9.1875-03	1.0520+00

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9.05854+01 3.35713-02 2.4352d+00 4.74752+03 3.10937-05 7.33741-08 1.68783-01 7.72000+00 7.65561-06 7.39913-02

1	531.81	4.9940+01	8.8056+00	2.5502-02	8.8056+00	2.5502-02	5.3694-03	2.6919-01	4.7741+05	6.5721-03	4.1100-01
2	616.36	8.8845+01	1.6460+01	5.0670-02	1.6460+01	5.0670-02	1.0669-02	5.3486-01	9.4857+05	1.3112-02	7.1100-01
3	642.13	1.0030+02	1.8844+01	5.9148-02	1.8844+01	5.9148-02	1.2454-02	6.2435-01	1.1073+06	1.5326-02	1.3070+00
4	590.20	6.8776+01	1.2555+01	3.7910-02	1.2555+01	3.7910-02	7.9820-03	4.0017-01	7.0970+05	9.7976-03	1.6410+00
5	550.98	4.2030+01	7.8488+00	2.3040-02	7.8488+00	2.3040-02	4.8510-03	2.4320-01	4.3131+05	5.9430-03	1.7720+00
6	494.79	6.0992+00	1.0352+00	2.9226-03	1.0352+00	2.9226-03	6.1536-04	3.0850-02	5.4713+04	7.5188-04	2.4660+00
7	467.75	8.6722+00	1.4417+00	3.9967-03	1.4417+00	3.9967-03	8.4151-04	4.2189-02	7.4821+04	1.0269-03	3.0090+00
8	463.86	1.1773+01	1.9347+00	5.3494-03	1.9347+00	5.3494-03	1.1263-03	5.6467-02	1.0014+05	1.3743-03	3.3930+00
9	465.79	1.3483+01	2.2185+00	6.1421-03	2.2185+00	6.1421-03	1.2932-03	6.4834-02	1.1498+05	1.5780-03	3.7770+00
10	493.95	1.5309+01	2.5739+00	7.2624-03	2.5739+00	7.2624-03	1.5291-03	7.6660-02	1.3596+05	1.8683-03	5.3230+00
14	588.04	7.6094+01	1.3874+01	4.1826-02	1.3874+01	4.1826-02	8.8065-03	4.4150-01	7.8300+05	1.0808-02	1.0880+00
15	595.06	8.2518+01	1.5106+01	4.5774-02	1.5106+01	4.5774-02	9.6377-03	4.8318-01	8.5691+05	1.1833-02	1.3070+00
16	611.18	8.4204+01	1.5555+01	4.7700-02	1.5555+01	4.7700-02	1.0043-02	5.0351-01	8.9297+05	1.2341-02	1.6410+00
19	584.05	6.2318+01	1.0309+01	3.0987-02	1.0309+01	3.0987-02	6.5244-03	3.2709-01	5.8010+05	8.0060-03	4.1100-01
20	548.61	6.0888+01	1.0339+01	3.0299-02	1.0339+01	3.0299-02	6.3795-03	3.1983-01	5.6721+05	7.8147-03	7.1100-01
21	555.62	6.2666+01	1.0850+01	3.1954-02	1.0850+01	3.1954-02	6.7280-03	3.3730-01	5.9820+05	8.2444-03	1.0880+00
22	542.73	5.9957+01	1.0363+01	3.0242-02	1.0363+01	3.0242-02	6.3675-03	3.1923-01	5.6615+05	7.7979-03	1.3070+00
23	804.65	1.0597-01	2.0667-02	7.4082-05	2.0667-02	7.4082-05	1.5598-05	7.8199-04	1.3869+03	1.9369-05	1.6410+00
24	469.97	3.9808+00	6.5685-01	1.8236-03	6.5685-01	1.8236-03	3.8397-04	1.9250-02	3.4139+04	4.6862-04	3.0090+00
25	461.83	4.2655+00	6.8317-01	1.8865-03	6.8317-01	1.8865-03	3.9719-04	1.9913-02	3.5316+04	4.8458-04	3.3930+00
26	460.46	5.9081+00	9.5120-01	2.6242-03	9.5120-01	2.6242-03	5.5252-04	2.7700-02	4.9126+04	6.7404-04	3.7770+00
27	671.51	1.1522+02	2.0957+01	6.7288-02	2.0957+01	6.7288-02	1.4168-02	7.1028-01	1.2597+06	1.7462-02	7.1100-01
28	565.39	7.0653+01	1.2304+01	3.6491-02	1.2304+01	3.6491-02	7.6831-03	3.8519-01	6.8313+05	9.4193-03	1.0880+00
29	546.54	5.8878+01	1.0292+01	3.0116-02	1.0292+01	3.0116-02	6.3409-03	3.1790-01	5.6379+05	7.7667-03	1.3070+00
30	544.88	5.3661+01	9.3982+00	2.7469-02	9.3982+00	2.7469-02	5.7836-03	2.8996-01	5.1424+05	7.0835-03	1.6410+00
31	529.43	3.7523+01	6.6066+00	1.9101-02	6.6066+00	1.9101-02	4.0218-03	2.0163-01	3.5759+05	4.9221-03	1.7720+00
32	500.77	6.1803+00	1.3938+00	3.9510-03	1.3938+00	3.9510-03	8.3188-04	4.1706-02	7.3964+04	1.0167-03	2.4660+00
33	465.46	3.7745+00	6.3027-01	1.7446-03	6.3027-01	1.7446-03	3.6732-04	1.8415-02	3.2659+04	4.4821-04	3.0090+00
34	451.94	1.8847+00	3.0722-01	8.4279-04	3.0722-01	8.4279-04	1.7745-04	8.8963-03	1.5777+04	2.1639-04	3.3930+00
35	451.68	3.4442+00	5.3773-01	1.4749-03	5.3773-01	1.4749-03	3.1054-04	1.5569-02	2.7611+04	3.7869-04	3.7770+00
36	533.35	5.1861+01	8.8854+00	2.5761-02	8.8854+00	2.5761-02	5.4239-03	2.7192-01	4.8225+05	6.6393-03	1.3070+00
37	498.95	7.5823+00	1.3057+00	3.6967-03	1.3057+00	3.6967-03	7.7835-04	3.9022-02	6.9205+04	9.5122-04	2.4660+00
38	464.60	4.8291+00	7.9396-01	2.1964-03	7.9396-01	2.1964-03	4.6246-04	2.3185-02	4.1118+04	5.6427-04	3.0090+00
39	449.23	3.5943+00	5.8130-01	1.5918-03	5.8130-01	1.5918-03	3.3516-04	1.6803-02	2.9800+04	4.0867-04	3.3930+00
40	444.83	1.8156+00	2.9009-01	7.9210-04	2.9009-01	7.9210-04	1.6678-04	8.3612-03	1.4829+04	2.0331-04	3.7770+00
41	453.06	2.7657+00	4.3492-01	1.1940-03	4.3492-01	1.1940-03	2.5140-04	1.2604-02	2.2352+04	3.0659-04	4.1620+00
43	469.04	3.5699+00	5.9752-01	1.6579-03	5.9752-01	1.6579-03	3.4907-04	1.7500-02	3.1036+04	4.2601-04	5.3230+00
47	531.66	4.2608+01	7.2240+00	2.0910-02	7.2240+00	2.0910-02	4.4027-03	2.2072-01	3.9145+05	5.3886-03	7.1100-01
48	581.20	7.3907+01	1.3147+01	3.9439-02	1.3147+01	3.9439-02	8.3039-03	4.1631-01	7.3832+05	1.0188-02	1.0880+00
49	517.42	4.6225+01	7.9598+00	2.2823-02	7.9598+00	2.2823-02	4.8054-03	2.4091-01	4.2726+05	5.8777-03	1.3070+00
50	509.19	2.9920+01	5.1559+00	1.4700-02	5.1559+00	1.4700-02	3.0950-03	1.5517-01	2.7519+05	3.7843-03	1.6410+00
51	506.62	2.0692+01	3.5914+00	1.0221-02	3.5914+00	1.0221-02	2.1521-03	1.0789-01	1.9135+05	2.6310-03	1.7720+00
52	503.17	1.0469+01	1.8131+00	5.1478-03	1.8131+00	5.1478-03	1.0839-03	5.4339-02	9.6370+04	1.3249-03	2.4660+00
53	460.73	4.6727+00	7.6626-01	2.1143-03	7.6626-01	2.1143-03	4.4517-04	2.2318-02	3.9582+04	5.4369-04	3.0090+00
54	447.56	2.8431+00	4.5651-01	1.2487-03	4.5651-01	1.2487-03	2.6292-04	1.3181-02	2.3377+04	3.2056-04	3.3930+00
55	445.35	1.7475+00	2.7506-01	7.5131-04	2.7506-01	7.5131-04	1.5819-04	7.9307-03	1.4065+04	1.9285-04	3.7770+00
56	471.51	1.1019+01	1.7162+00	4.7697-03	1.7162+00	4.7697-03	1.0043-03	5.0348-02	8.9292+04	1.2258-03	4.1100-01
57	511.08	3.3990+01	5.6566+00	1.6148-02	5.6566+00	1.6148-02	3.4000-03	1.7046-01	3.0230+05	4.1575-03	7.1100-01
58	508.18	3.7778+01	6.4290+00	1.8317-02	6.4290+00	1.8317-02	3.8566-03	1.9335-01	3.4290+05	4.7152-03	1.0880+00
59	506.62	3.7974+01	6.4752+00	1.8429-02	6.4752+00	1.8429-02	3.8801-03	1.9453-01	3.4499+05	4.7436-03	1.3070+00
60	516.59	3.4769+01	5.9841+00	1.7148-02	5.9841+00	1.7148-02	3.6105-03	1.8101-01	3.2102+05	4.4161-03	1.6410+00
61	461.13	6.8239+00	1.1160+00	3.0801-03	1.1160+00	3.0801-03	6.4851-04	3.2512-02	5.7660+04	7.9116-04	3.0090+00
62	445.61	3.7086+00	5.9468-01	1.6246-03	5.9468-01	1.6246-03	3.4206-04	1.7149-02	3.0414+04	4.1701-04	3.3930+00
63	446.42	2.5361+00	3.9947-01	1.0919-03	3.9947-01	1.0919-03	2.2990-04	1.1526-02	2.0441+04	2.8029-04	3.7770+00
64	465.85	1.7276+01	2.9197+00	8.0838-03	2.9197+00	8.0838-03	1.7020-03	8.5330-02	1.5133+05	2.0769-03	1.0880+00
65	473.21	2.2598+01	3.8379+00	1.0678-02	3.8379+00	1.0678-02	2.2484-03	1.1272-01	1.9991+05	2.7444-03	1.3070+00
66	498.10	2.7374+01	4.7252+00	1.3370-02	4.7252+00	1.3370-02	2.8150-03	1.4113-01	2.5029+05	3.4401-03	1.6410+00
69	466.43	1.1634+01	1.9669+00	5.4480-03	1.9669+00	5.4480-03	1.1471-03	5.7507-02	1.0199+05	1.3997-03	4.1100-01
70	445.37	3.1969+00	5.3279-01	1.4553-03	5.3279-01	1.4553-03	3.0642-04	1.5362-02	2.7244+04	3.7356-04	7.1100-01
71	452.64	7.5330+00	1.2580+00	3.4528-03	1.2580+00	3.4528-03	7.2699-04	3.6447-02	6.4638+04	8.8656-04	1.3070+00
72	473.74	1.4201+01	2.4126+00	6.7152-03	2.4126+00	6.7152-03	1.4139-03	7.0884-02	1.2571+05	1.7259-03	1.6410+00
73	462.94	5.6031+00	9.0914-01	2.5123-03	9.0914-01	2.5123-03	5.2896-04	2.6519-02	4.7031+04	6.4537-04	3.7770+00
74	480.84	5.1481+00	8.5817-01	2.4000-03	8.5817-01	2.4000-03	5.0532-04	2.5334-02	4.4929+04	6.1703-04	5.3230+00
77	457.64	6.3242+00	1.0535+00	2.9011-03	1.0535+00	2.9011-03	6.1083-04	3.0623-02	5.4310+04	7.4507-04	3.0090+00
78	456.82	8.3070+00	1.3668+00	3.7616-03	1.3668+00	3.7616-03	7.9201-04	3.9707-02	7.0420+04	9.6604-04	3.3930+00
79	464.70	1.0131+01	1.6458+00	4.5531-03	1.6458+00	4.5531-03	9.5866-04	4.8062-02	8.5237+04	1.1697-03	3.7770+00
80	496.87	5.9325+00	1.0262+00	2.9013-03	1.0262+00	2.9013-03	6.1087-04	3.0626-02	5.4314+04	7.4647-04	2.4660+00
81	463.04	7.8447+00	1.3116+00	3.6247-03	1.3116+00	3.6247-03	7.6319-04	3.8262-02	6.7857+04	9.3114-04	3.0090+00
82	460.82	1.0450+01	1.7292+00	4.7718-03	1.7292+00	4.7718-03	1.0047-03	5.0370-02	8.9331+04	1.2257-03	3.3930+00
83	467.13	1.2535+01	2.0643+00	5.7204-03	2.0643+00	5.7204-03	1.2044-03	6.0364-02	1.0709+05	1.4698-03	3.7770+00
337	634.84	4.6993+01	9.6433+00	3.0101-02	9.6433+00	3.0101-02	6.3378-03	3.1774-01	5.6351+05	7.7969-03	7.1680+00
339	617.45	4.3329+01	8.9950+00	2.7713-02	8.9950+00	2.7713-02	5.8349-03	2.9253-01	5.1879+05	7.1718-03	8.1130+00
340	524.27	1.6420+01	3.1598+00	9.1030-03	3.1598+00	9.1030-03	1.9166-03	9.6089-02	1.7041+05	2.3451-03	8.6180+00
342	614.21	3.9621+01	8.2963+00	2.5498-02	8.2963+00	2.5498-02	5.3687-03	2.6915-01	4.7734+05	6.5977-03	7.1680+00
344	591.07	3.1422+01	6.4606+00	1.9520-02	6.4606+00	1.9520-02	4.1100-03	2.0605-01	3.6543+05	5.0451-03	8.1130+00
347	559.04	2.8732+01	5.6474+00	1.6673-02	5.6474+00	1.6673-02	3.5105-03	1.7600-01	3.1213+05	4.3024-03	7.1680+00
349	529.02	1.3718+01	2.7113+00	7.8368-03	2.7113+00	7.8368-03	1.6500-03	8.2723-02	1.4671+05	2.0194-03	8.1130+00
350	483.53	2.7049+00	4.7875-01	1.3413-03	4.7875-01	1.3413-03	2.8242-04	1.4159-02	2.5110+04	3.4489-04	8.6180+00
352	503.35	5.2234+00	9.6818-01	2.7493-03	9.6818-01	2.7493-03	5.7887-04	2.9021-02	5.1468+04	7.0758-04	7.1680+00
354	502.12	4.7673+00	9.2396-01	2.6215-03	9.2396-01	2.6215-03	5.5196-04	2.7672-02	4.9076+04	6.7465-04	8.1130+00
357	533.52	2.0070+01	3.7808+00	1.0963-02	3.7808+00	1.0963-02	2.3082-03	1.1572-01	2.0523+05	2.8254-03	7.1680+00
359	515.39	1.2512+01	2.2859+00	6.5452-03	2.2859+00	6.5452-03	1.3781-03	6.9089-02	1.2253+05	1.6855-03	8.1130+00
401	737.88	1.0627+02	1.0356+01	3.5072-02	1.0356+01	3.5072-02	7.3843-03	3.7021-01	6.5656+05	9.1344-03	4.5500-01
403	744.09	1.0433+02	1.0076+01	3.4300-02	1.0076+01	3.4300-02	7.2218-03	3.6206-01	6.4211+05	8.9364-03	6.8600-01
404	2217.72	-3.0361+02	5.8435+01	6.0929-02	5.8435+01	6.0929-02	1.2829-02	6.4315-01	1.1406+06	1.4290-02	8.0100-01
405	744.19	1.0461+02	1.0104+01	3.4398-02	1.0104+01	3.4398-02	7.2426-03	3.6310-01	6.4396+05	8.9622-03	1.0510+00
406	696.99	1.0217+02	9.7025+00	3.1785-02	9.7025+00	3.1785-02	6.6923-03	3.3551-01	5.9502+05	8.2598-03	1.1670+00
407	683.06	9.6565+01	9.2680+00	3.0028-02	9.2680+00	3.0028-02	6.3224-03	3.1697-01	5.6214+05	7.7975-03	1.2830+00
408	633.93	8.8016+01	7.9431+00	2.4777-02	7.9431+00	2.4777-02	5.2169-03	2.6154-01	4.6384+05	6.4176-03	5.1300-01
409	488.74	2.4579+01	2.0716+00	5.8245-03	2.0716+00	5.8245-03	1.2263-03	6.1481-02	1.0904+05	1.4980-03	5.7000-01
410	634.52	8.7045+01	7.7151+00	2.4077-02	7.7151+00	2.4077-02	5.0693-03	2.5415-01	4.5073+05	6.2363-03	6.2800-01
411	503.95	3.1844+01	2.7103+00	7.6996-03	2.7103+00	7.6996-03	1.6212-03	8.1275-02	1.4414+05	1.9817-03	6.8600-01
412	656.19	9.9671+01	9.2131+00	2.9231-02	9.2131+00	2.9231-02	6.1547-03	3.0856-01	5.4723+05	7.5799-03	7.4400-01
413	516.98	3.9125+01	3.3777+00	9.6818-03	3.3777+00	9.6818-03	2.0385-03	1.0220-01	1.8125+05	2.4934-03	8.0100-01
414	712.30	1.1811+02	1.1234+01	3.7258-02	1.1234+01	3.7258-02	7.8447-03	3.9329-01	6.9749+05	9.6901-03	8.5900-01
415	533.31	4.5868+01	3.9765+00	1.1528-02	3.9765+00	1.1528-02	2.4273-03	1.2169-01	2.1582+05	2.9712-03	9.1700-01
416	635.53	8.1922+01	6.9960+00	2.1849-02	6.9960+00	2.1849-02	4.6003-03	2.3063-01	4.0902+05	5.6596-03	5.7000-01
417	709.57	1.0931+02	1.0383+01	3.4359-02	1.0383+01	3.4359-02	7.2342-03	3.6268-01	6.4321+05	8.9348-03	1.0520+00

CONFIDENTIAL

1	1	11.97	-.03	.00	-.00	402	11	1.85	10.04	217.5	1653.0	[redacted]

8.08544+01 4.81488-03 3.39806-01 4.42407+03 4.99625-06 6.54921-08 2.83146-02 7.72000+00 6.73117-06 7.51131-02

1	513.90	4.4208-01	7.7083-02	2.6759-04	7.7083-02	2.6759-04	3.7626-04	6.0847-03	5.6973+03	6.7668-05	4.1100-01
2	513.68	8.5350-01	1.4880-01	5.1646-04	1.4880-01	5.1646-04	7.2621-04	1.1744-02	1.0996+04	1.3060-04	7.1100-01
3	514.41	2.1164+00	3.6914-01	1.2820-03	3.6914-01	1.2820-03	1.8027-03	2.9151-02	2.7295+04	3.2420-04	1.3070+00
4	519.53	6.9657+00	1.2189+00	4.2513-03	1.2189+00	4.2513-03	5.9780-03	9.6672-02	9.0517+04	1.0753-03	1.6410+00
5	521.57	1.1416+01	2.0937+00	7.3150-03	2.0937+00	7.3150-03	1.0286-02	1.6634-01	1.5575+05	1.8504-03	1.7720+00
6	522.58	2.3470+00	4.0546-01	1.4178-03	4.0546-01	1.4178-03	1.9937-03	3.2240-02	3.0188+04	3.5867-04	2.4660+00
7	522.57	2.0545+00	3.5388-01	1.2374-03	3.5388-01	1.2374-03	1.7400-03	2.8139-02	2.6347+04	3.1304-04	3.0090+00
8	522.25	1.6265+00	2.7759-01	9.7043-04	2.7759-01	9.7043-04	1.3646-03	2.2067-02	2.0662+04	2.4549-04	3.3930+00
9	522.03	1.1605+00	1.9804-01	6.9219-04	1.9804-01	6.9219-04	9.7332-04	1.5740-02	1.4738+04	1.7510-04	3.7770+00
10	521.50	7.9740-01	1.3644-01	4.7666-04	1.3644-01	4.7666-04	6.7025-04	1.0839-02	1.0149+04	1.2058-04	5.3230+00
14	514.29	1.4161+00	2.4698-01	8.5766-04	2.4698-01	8.5766-04	1.2060-03	1.9502-02	1.8261+04	2.1689-04	1.0880+00
15	516.33	2.3319+00	4.0723-01	1.4166-03	4.0723-01	1.4166-03	1.9919-03	3.2211-02	3.0161+04	3.5826-04	1.3070+00
16	521.33	7.7262+00	1.3535+00	4.7280-03	1.3535+00	4.7280-03	6.6482-03	1.0751-01	1.0067+05	1.1960-03	1.6410+00
19	514.46	4.5714-01	7.2511-02	2.5183-04	7.2511-02	2.5183-04	3.5411-04	5.7265-03	5.3619+03	6.3686-05	4.1100-01
20	515.57	8.9662-01	1.4918-01	5.1860-04	1.4918-01	5.1860-04	7.2922-04	1.1793-02	1.1042+04	1.3115-04	7.1100-01
21	515.86	1.6447+00	2.7789-01	9.6627-04	2.7789-01	9.6627-04	1.3587-03	2.1972-02	2.0573+04	2.4437-04	1.0880+00
22	517.10	2.5267+00	4.2985-01	1.4962-03	4.2985-01	1.4962-03	2.1039-03	3.4022-02	3.1856+04	3.7841-04	1.3070+00
23	521.40	7.5403+00	1.2669+00	4.4257-03	1.2669+00	4.4257-03	6.2232-03	1.0064-01	9.4231+04	1.1195-03	1.6410+00
24	521.59	1.4857+00	2.5346-01	8.8557-04	2.5346-01	8.8557-04	1.2452-03	2.0137-02	1.8855+04	2.2402-04	3.0090+00
25	521.38	1.1652+00	1.9398-01	6.7763-04	1.9398-01	6.7763-04	9.5284-04	1.5409-02	1.4428+04	1.7141-04	3.3930+00
26	521.29	8.0416-01	1.3469-01	4.7048-04	1.3469-01	4.7048-04	6.6157-04	1.0698-02	1.0017+04	1.1901-04	3.7770+00
27	516.40	8.4103-01	1.4001-01	4.8704-04	1.4001-01	4.8704-04	6.8485-04	1.1075-02	1.0370+04	1.2318-04	7.1100-01
28	516.76	1.8358+00	3.1037-01	1.0800-03	3.1037-01	1.0800-03	1.5186-03	2.4558-02	2.2995+04	2.7315-04	1.0880+00
29	518.13	2.1434+00	3.6815-01	1.2826-03	3.6815-01	1.2826-03	1.8035-03	2.9164-02	2.7308+04	3.2439-04	1.3070+00
30	522.42	8.5288+00	1.4733+00	5.1510-03	1.4733+00	5.1510-03	7.2431-03	1.1713-01	1.0967+05	1.3031-03	1.6410+00
31	523.76	1.2511+01	2.1950+00	7.6833-03	2.1950+00	7.6833-03	1.0804-02	1.7471-01	1.6359+05	1.9438-03	1.7720+00
32	522.44	2.7953+00	4.8286-01	1.6883-03	4.8286-01	1.6883-03	2.3740-03	3.8390-02	3.5946+04	4.2709-04	2.4660+00
33	521.73	2.0644+00	3.5751-01	1.2493-03	3.5751-01	1.2493-03	1.7566-03	2.8407-02	2.6599+04	3.1602-04	3.0090+00
34	521.32	1.5771+00	2.6901-01	9.3969-04	2.6901-01	9.3969-04	1.3213-03	2.1368-02	2.0008+04	2.3770-04	3.3930+00
35	521.42	1.2862+00	2.1018-01	7.3426-04	2.1018-01	7.3426-04	1.0325-03	1.6696-02	1.5633+04	1.8574-04	3.7770+00
36	518.78	1.9694+00	3.3437-01	1.1655-03	3.3437-01	1.1655-03	1.6389-03	2.6503-02	2.4815+04	2.9479-04	1.3070+00
37	522.48	2.9901+00	5.2266-01	1.8275-03	5.2266-01	1.8275-03	2.5697-03	4.1556-02	3.8910+04	4.6230-04	2.4660+00
38	521.85	2.4390+00	4.1615-01	1.4543-03	4.1615-01	1.4543-03	2.0450-03	3.3070-02	3.0965+04	3.6789-04	3.0090+00
39	521.13	1.6296+00	2.7626-01	9.6486-04	2.7626-01	9.6486-04	1.3567-03	2.1940-02	2.0543+04	2.4407-04	3.3930+00
40	521.54	1.5408+00	2.5890-01	9.0454-04	2.5890-01	9.0454-04	1.2719-03	2.0569-02	1.9259+04	2.2881-04	3.7770+00
41	521.97	1.1481+00	1.8884-01	6.6002-04	1.8884-01	6.6002-04	9.2808-04	1.5008-02	1.4053+04	1.6696-04	4.1620+00
43	521.92	7.9740-01	1.3811-01	4.8267-04	1.3811-01	4.8267-04	6.7870-04	1.0976-02	1.0277+04	1.2210-04	5.3230+00
47	517.20	7.7091-01	1.2958-01	4.5107-04	1.2958-01	4.5107-04	6.3427-04	1.0257-02	9.6040+03	1.1408-04	7.1100-01
48	518.39	1.3080+00	2.2404-01	7.8068-04	2.2404-01	7.8068-04	1.0977-03	1.7752-02	1.6622+04	1.9746-04	1.0880+00
49	520.15	3.2587+00	5.6210-01	1.9615-03	5.6210-01	1.9615-03	2.7582-03	4.4604-02	4.1764+04	4.9617-04	1.3070+00
50	524.61	9.1195+00	1.5868+00	5.5583-03	1.5868+00	5.5583-03	7.8157-03	1.2639-01	1.1834+05	1.4062-03	1.6410+00
51	526.23	1.4088+01	2.4756+00	8.6833-03	2.4756+00	8.6833-03	1.2210-02	1.9745-01	1.8488+05	2.1970-03	1.7720+00
52	520.45	7.3558-01	1.2879-01	4.4954-04	1.2879-01	4.4954-04	6.3212-04	1.0222-02	9.5715+03	1.1371-04	2.4660+00
53	520.75	1.6171+00	2.7574-01	9.6272-04	2.7574-01	9.6272-04	1.3537-03	2.1892-02	2.0498+04	2.4352-04	3.0090+00
54	520.69	1.1688+00	1.9690-01	6.8741-04	1.9690-01	6.8741-04	9.6660-04	1.5631-02	1.4636+04	1.7388-04	3.3930+00
55	520.63	8.8104-01	1.4570-01	5.0866-04	1.4570-01	5.0866-04	7.1525-04	1.1567-02	1.0830+04	1.2867-04	3.7770+00
56	515.06	3.9948-01	6.3999-02	2.2239-04	6.3999-02	2.2239-04	3.1271-04	5.0569-03	4.7349+03	5.6240-05	4.1100-01
57	516.89	6.9662-01	1.1636-01	4.0495-04	1.1636-01	4.0495-04	5.6941-04	9.2081-03	8.6219+03	1.0242-04	7.1100-01
58	518.97	1.4125+00	2.4201-01	8.4372-04	2.4201-01	8.4372-04	1.1864-03	1.9185-02	1.7964+04	2.1341-04	1.0880+00
59	521.48	2.5174+00	4.3330-01	1.5138-03	4.3330-01	1.5138-03	2.1286-03	3.4422-02	3.2231+04	3.8293-04	1.3070+00
60	526.83	1.0152+01	1.7584+00	6.1710-03	1.7584+00	6.1710-03	8.6772-03	1.4032-01	1.3139+05	1.5614-03	1.6410+00
61	520.91	8.3065-01	1.4122-01	4.9314-04	1.4122-01	4.9314-04	6.9342-04	1.1214-02	1.0500+04	1.2474-04	3.0090+00
62	520.94	6.9766-01	1.1754-01	4.1046-04	1.1754-01	4.1046-04	5.7717-04	9.3335-03	8.7393+03	1.0383-04	3.3930+00
63	521.46	6.1091-01	1.0108-01	3.5313-04	1.0108-01	3.5313-04	4.9655-04	8.0299-03	7.5187+03	8.9328-05	3.7770+00
64	520.59	1.6312+00	2.8562-01	9.9708-04	2.8562-01	9.9708-04	1.4020-03	2.2673-02	2.1229+04	2.5221-04	1.0880+00
65	523.04	2.8384+00	4.9777-01	1.7413-03	4.9777-01	1.7413-03	2.4485-03	3.9595-02	3.7075+04	4.4051-04	1.3070+00
66	527.15	1.0309+01	1.8124+00	6.3623-03	1.8124+00	6.3623-03	8.9463-03	1.4467-01	1.3546+05	1.6098-03	1.6410+00
69	516.70	5.1844-01	9.0558-02	3.1510-04	9.0558-02	3.1510-04	4.4308-04	7.1652-03	6.7091+03	7.9693-05	4.1100-01
70	519.76	9.0233-01	1.5792-01	5.5090-04	1.5792-01	5.5090-04	7.7464-04	1.2527-02	1.1729+04	1.3935-04	7.1100-01
71	524.07	2.9891+00	5.2299-01	1.8311-03	5.2299-01	1.8311-03	2.5748-03	4.1638-02	3.8987+04	4.6325-04	1.3070+00
72	527.65	1.0050+01	1.7676+00	6.2075-03	1.7676+00	6.2075-03	8.7286-03	1.4115-01	1.3217+05	1.5707-03	1.6410+00
73	522.77	2.1979+00	3.7073-01	1.2966-03	3.7073-01	1.2966-03	1.8232-03	2.9484-02	2.7607+04	3.2801-04	3.7770+00
74	522.87	1.5325+00	2.6243-01	9.1789-04	2.6243-01	9.1789-04	1.2907-03	2.0872-02	1.9543+04	2.3220-04	5.3230+00
77	522.52	1.3366+00	2.3227-01	8.1217-04	2.3227-01	8.1217-04	1.1420-03	1.8468-02	1.7292+04	2.0546-04	3.0090+00
78	522.25	1.0223+00	1.7553-01	6.1363-04	1.7553-01	6.1363-04	8.6285-04	1.3953-02	1.3065+04	1.5523-04	3.3930+00
79	522.10	6.3221-01	1.0659-01	3.7259-04	1.0659-01	3.7259-04	5.2391-04	8.4723-03	7.9330+03	9.4252-05	3.7770+00
80	522.86	2.2634+00	3.9804-01	1.3922-03	3.9804-01	1.3922-03	1.9576-03	3.1658-02	2.9642+04	3.5219-04	2.4660+00
81	522.67	1.8971+00	3.2970-01	1.1530-03	3.2970-01	1.1530-03	1.6213-03	2.6218-02	2.4549+04	2.9168-04	3.0090+00
82	522.34	1.4987+00	2.5810-01	9.0235-04	2.5810-01	9.0235-04	1.2688-03	2.0519-02	1.9212+04	2.2827-04	3.3930+00
83	522.15	1.1548+00	1.9708-01	6.8890-04	1.9708-01	6.8890-04	9.6869-04	1.5665-02	1.4668+04	1.7427-04	3.7770+00
337	524.76	3.8223+00	7.3578-01	2.5776-03	7.3578-01	2.5776-03	3.6245-03	5.8614-02	5.4882+04	6.5213-04	7.1680+00
339	524.20	4.6597+00	9.1580-01	3.2068-03	9.1580-01	3.2068-03	4.5092-03	7.2919-02	6.8277+04	8.1128-04	8.1130+00
340	521.90	1.7527+00	3.3679-01	1.1770-03	3.3679-01	1.1770-03	1.6551-03	2.6765-02	2.5061+04	2.9775-04	8.6180+00
342	524.03	1.7054+00	3.3864-01	1.1856-03	3.3864-01	1.1856-03	1.6672-03	2.6960-02	2.5244+04	2.9995-04	7.1680+00
344	524.18	4.6821+00	9.2498-01	3.2389-03	9.2498-01	3.2389-03	4.5543-03	7.3649-02	6.8961+04	8.1940-04	8.1130+00
347	525.90	5.8296+00	1.1230+00	3.9378-03	1.1230+00	3.9378-03	5.5372-03	8.9543-02	8.3843+04	9.9630-04	7.1680+00
349	524.80	5.7532+00	1.1341+00	3.9731-03	1.1341+00	3.9731-03	5.5868-03	9.0346-02	8.4594+04	1.0052-03	8.1130+00
350	522.05	2.0826+00	3.7780-01	1.3205-03	3.7780-01	1.3205-03	1.8569-03	3.0028-02	2.8116+04	3.3405-04	8.6180+00
352	527.93	7.2467+00	1.3642+00	4.7919-03	1.3642+00	4.7919-03	6.7381-03	1.0896-01	1.0203+05	1.2125-03	7.1680+00
354	525.51	7.7704+00	1.5284+00	5.3578-03	1.5284+00	5.3578-03	7.5338-03	1.2183-01	1.1408+05	1.3555-03	8.1130+00
357	528.41	9.9179+00	1.8625+00	6.5449-03	1.8625+00	6.5449-03	9.2031-03	1.4883-01	1.3935+05	1.6561-03	7.1680+00
359	525.66	8.9792+00	1.6510+00	5.7884-03	1.6510+00	5.7884-03	8.1393-03	1.3162-01	1.2324+05	1.4645-03	8.1130+00
401	516.39	6.2597-01	5.4021-02	1.8792-04	5.4021-02	1.8792-04	2.6424-04	4.2732-03	4.0011+03	4.7527-05	4.5500-01
403	516.97	6.1143-01	5.2160-02	1.8154-04	5.2160-02	1.8154-04	2.5527-04	4.1280-03	3.8652+03	4.5913-05	6.8600-01
404	517.49	7.0546-01	6.0562-02	2.1087-04	6.0562-02	2.1087-04	2.9651-04	4.7950-03	4.4897+03	5.3333-05	8.0100-01
405	518.38	1.3548+00	1.1568-01	4.0308-04	1.1568-01	4.0308-04	5.6679-04	9.1657-03	8.5822+03	1.0195-04	1.0510+00
406	519.65	2.3106+00	1.9863-01	6.9287-04	1.9863-01	6.9287-04	9.7428-04	1.5755-02	1.4752+04	1.7526-04	1.1670+00
407	520.41	2.5953+00	2.2720-01	7.9302-04	2.2720-01	7.9302-04	1.1151-03	1.8033-02	1.6885+04	2.0059-04	1.2830+00
408	517.75	1.4182+00	1.1959-01	4.1650-04	1.1959-01	4.1650-04	5.8566-04	9.4709-03	8.8679+03	1.0534-04	5.1300-01
409	515.87	1.7969+00	1.5410-01	5.3583-04	1.5410-01	5.3583-04	7.5346-04	1.2184-02	1.1409+04	1.3551-04	5.7000-01
410	516.39	1.3875+00	1.1478-01	3.9929-04	1.1478-01	3.9929-04	5.6146-04	9.0796-03	8.5016+03	1.0098-04	6.2800-01
411	516.98	1.6525+00	1.4181-01	4.9357-04	1.4181-01	4.9357-04	6.9403-04	1.1223-02	1.0509+04	1.2483-04	6.8600-01
412	516.67	1.1704+00	9.9825-02	3.4734-04	9.9825-02	3.4734-04	4.8841-04	7.8983-03	7.3955+03	8.7847-05	7.4400-01
413	518.19	1.8966+00	1.6386-01	5.7088-04	1.6386-01	5.7088-04	8.0274-04	1.2981-02	1.2155+04	1.4439-04	8.0100-01
414	517.32	1.4395+00	1.2283-01	4.2760-04	1.2283-01	4.2760-04	6.0127-04	9.7234-03	9.1044+03	1.0815-04	8.5900-01
415	518.59	1.7356+00	1.4910-01	5.1962-04	1.4910-01	5.1962-04	7.3066-04	1.1816-02	1.1064+04	1.3143-04	9.1700-01
416	517.62	1.3371+00	1.0660-01	3.7121-04	1.0660-01	3.7121-04	5.2197-04	8.4469-03	7.9036+03	9.3886-05	5.7000-01
417	518.14	2.2935+00	1.9580-01	6.8212-04	1.9580-01	6.8212-04	9.5916-04	1.5511-02	1.4523+04	1.7253-04	1.0520+00

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1 1 11.97 -.03 .00 -.00 402 11 2.10 10.04 217.5 1652.9

8.08454+01 4.81495-03 3.39811-01 4.42382+03 4.99688-06 6.54848-08 2.83197-02 7.72000+00 6.73031-06 7.51143-02

1	513.95	3.1325-01	5.4621-02	1.8962-04	5.4621-02	1.8962-04	2.6662-04	4.3118-03	4.0379+03	4.7959-05	4.1100-01
2	513.82	6.4520-01	1.1249-01	3.9049-04	1.1249-01	3.9049-04	5.4904-04	8.8794-03	8.3151+03	9.8762-05	7.1100-01
3	514.77	1.7283+00	3.0152-01	1.0475-03	3.0152-01	1.0475-03	1.4728-03	2.3819-02	2.2305+04	2.6494-04	1.3070+00
4	521.08	6.4514+00	1.1300+00	3.9464-03	1.1300+00	3.9464-03	5.5488-03	8.9737-02	8.4035+04	9.9841-04	1.6410+00
5	524.54	1.1344+01	2.0844+00	7.3007-03	2.0844+00	7.3007-03	1.0265-02	1.6601-01	1.5546+05	1.8473-03	1.7720+00
6	523.17	2.4701+00	4.2689-01	1.4935-03	4.2689-01	1.4935-03	2.0999-03	3.3961-02	3.1803+04	3.7788-04	2.4660+00
7	523.12	2.1330+00	3.6751-01	1.2857-03	3.6751-01	1.2857-03	1.8078-03	2.9236-02	2.7379+04	3.2531-04	3.0090+00
8	522.67	1.6540+00	2.8236-01	9.8745-04	2.8236-01	9.8745-04	1.3884-03	2.2454-02	2.1027+04	2.4984-04	3.3930+00
9	522.33	1.2504+00	2.1341-01	7.4612-04	2.1341-01	7.4612-04	1.0491-03	1.6966-02	1.5888+04	1.8877-04	3.7770+00
10	521.69	7.2987-01	1.2490-01	4.3642-04	1.2490-01	4.3642-04	6.1362-04	9.9238-03	9.2932+03	1.1041-04	5.3230+00
14	514.54	1.1673+00	2.0362-01	7.0721-04	2.0362-01	7.0721-04	9.9437-04	1.6081-02	1.5060+04	1.7887-04	1.0880+00
15	516.72	1.8395+00	3.2131-01	1.1180-03	3.2131-01	1.1180-03	1.5720-03	2.5423-02	2.3808+04	2.8281-04	1.3070+00
16	523.19	7.5626+00	1.3264+00	4.6404-03	1.3264+00	4.6404-03	6.5247-03	1.0552-01	9.8815+04	1.1741-03	1.6410+00
19	514.57	4.1195-01	6.5346-02	2.2697-04	6.5346-02	2.2697-04	3.1913-04	5.1612-03	4.8332+03	5.7407-05	4.1100-01
20	515.65	5.4286-01	9.0327-02	3.1402-04	9.0327-02	3.1402-04	4.4153-04	7.1406-03	6.6869+03	7.9429-05	7.1100-01
21	516.06	1.1418+00	1.9295-01	6.7104-04	1.9295-01	6.7104-04	9.4351-04	1.5259-02	1.4289+04	1.6973-04	1.0880+00
22	517.49	1.8888+00	3.2141-01	1.1191-03	3.2141-01	1.1191-03	1.5735-03	2.5448-02	2.3831+04	2.8309-04	1.3070+00
23	523.21	7.3590+00	1.2378+00	4.3308-03	1.2378+00	4.3308-03	6.0893-03	9.8478-02	9.2221+04	1.0958-03	1.6410+00
24	521.96	1.5174+00	2.5893-01	9.0495-04	2.5893-01	9.0495-04	1.2724-03	2.0578-02	1.9270+04	2.2896-04	3.0090+00
25	521.68	1.2140+00	2.0215-01	7.0634-04	2.0215-01	7.0634-04	9.9314-04	1.6062-02	1.5041+04	1.7870-04	3.3930+00
26	521.48	8.7117-01	1.4593-01	5.0983-04	1.4593-01	5.0983-04	7.1685-04	1.1593-02	1.0857+04	1.2899-04	3.7770+00
27	516.42	4.2026-01	6.9962-02	2.4338-04	6.9962-02	2.4338-04	3.4221-04	5.5343-03	5.1826+03	6.1563-05	7.1100-01
28	516.94	1.1174+00	1.8893-01	6.5753-04	1.8893-01	6.5753-04	9.2452-04	1.4952-02	1.4002+04	1.6632-04	1.0880+00
29	518.63	2.0499+00	3.5220-01	1.2275-03	3.5220-01	1.2275-03	1.7259-03	2.7913-02	2.6139+04	3.1052-04	1.3070+00
30	524.51	8.5408+00	1.4772+00	5.1741-03	1.4772+00	5.1741-03	7.2750-03	1.1765-01	1.1018+05	1.3092-03	1.6410+00
31	527.14	1.3097+01	2.3027+00	8.0832-03	2.3027+00	8.0832-03	1.1365-02	1.8361-01	1.7213+05	2.0455-03	1.7720+00
32	523.08	2.6649+00	4.6052-01	1.6111-03	4.6052-01	1.6111-03	2.2652-03	3.6634-02	3.4306+04	4.0762-04	2.4660+00
33	522.28	2.1008+00	3.6393-01	1.2723-03	3.6393-01	1.2723-03	1.7889-03	2.8931-02	2.7092+04	3.2190-04	3.0090+00
34	521.74	1.6462+00	2.8087-01	9.8146-04	2.8087-01	9.8146-04	1.3800-03	2.2318-02	2.0900+04	2.4831-04	3.3930+00
35	521.75	1.4421+00	2.3570-01	8.2362-04	2.3570-01	8.2362-04	1.1580-03	1.8728-02	1.7538+04	2.0838-04	3.7770+00
36	519.27	1.9273+00	3.2733-01	1.1414-03	3.2733-01	1.1414-03	1.6049-03	2.5955-02	2.4306+04	2.8875-04	1.3070+00
37	523.22	3.1304+00	5.4743-01	1.9153-03	5.4743-01	1.9153-03	2.6930-03	4.3552-02	4.0785+04	4.8460-04	2.4660+00
38	522.44	2.4005+00	4.0974-01	1.4326-03	4.0974-01	1.4326-03	2.0144-03	3.2577-02	3.0507+04	3.6247-04	3.0090+00
39	521.58	2.1709+00	3.6813-01	1.2862-03	3.6813-01	1.2862-03	1.8085-03	2.9247-02	2.7389+04	3.2541-04	3.3930+00
40	521.95	1.6940+00	2.8472-01	9.9510-04	2.8472-01	9.9510-04	1.3992-03	2.2628-02	2.1190+04	2.5176-04	3.7770+00
41	522.26	1.1958+00	1.9674-01	6.8778-04	1.9674-01	6.8778-04	9.6705-04	1.5640-02	1.4646+04	1.7401-04	4.1620+00
43	522.06	6.5870-01	1.1409-01	3.9880-04	1.1409-01	3.9880-04	5.6072-04	9.0683-03	8.4921+03	1.0090-04	5.3230+00
47	517.34	6.5766-01	1.1055-01	3.8489-04	1.1055-01	3.8489-04	5.4117-04	8.7521-03	8.1960+03	9.7360-05	7.1100-01
48	518.66	1.2036+00	2.0619-01	7.1865-04	2.0619-01	7.1865-04	1.0104-03	1.6341-02	1.5303+04	1.8180-04	1.0880+00
49	520.56	2.1512+00	3.7116-01	1.2957-03	3.7116-01	1.2957-03	1.8218-03	2.9462-02	2.7590+04	3.2779-04	1.3070+00
50	526.77	8.8852+00	1.5481+00	5.4326-03	1.5481+00	5.4326-03	7.6385-03	1.2353-01	1.1568+05	1.3747-03	1.6410+00
51	529.76	1.3979+01	2.4617+00	8.6605-03	2.4617+00	8.6605-03	1.2177-02	1.9693-01	1.8442+05	2.1919-03	1.7720+00
52	520.59	7.0026-01	1.2262-01	4.2805-04	1.2262-01	4.2805-04	6.0186-04	9.7335-03	9.1150+03	1.0829-04	2.4660+00
53	521.16	1.6151+00	2.7545-01	9.6206-04	2.7545-01	9.6206-04	1.3527-03	2.1877-02	2.0486+04	2.4340-04	3.0090+00
54	520.98	1.2068+00	2.0332-01	7.1002-04	2.0332-01	7.1002-04	9.9832-04	1.6145-02	1.5119+04	1.7963-04	3.3930+00
55	520.83	9.9689-01	1.6488-01	5.7571-04	1.6488-01	5.7571-04	8.0948-04	1.3091-02	1.2259+04	1.4565-04	3.7770+00
56	515.08	5.5065-02	8.8219-03	3.0655-05	8.8219-03	3.0655-05	4.3102-05	6.9707-04	6.5277+02	7.7536-06	4.1130-01
57	517.04	6.4208-01	1.0726-01	3.7332-04	1.0726-01	3.7332-04	5.2491-04	8.4890-03	7.9496+03	9.4433-05	7.1100-01
58	519.22	1.1901+00	2.0395-01	7.1117-04	2.0395-01	7.1117-04	9.9994-04	1.6172-02	1.5144+04	1.7991-04	1.0880+00
59	521.88	2.0192+00	3.4764-01	1.2149-03	3.4764-01	1.2149-03	1.7082-03	2.7627-02	2.5871+04	3.0738-04	1.3070+00
60	529.20	9.8816+00	1.7141+00	6.0277-03	1.7141+00	6.0277-03	8.4752-03	1.3706-01	1.2835+05	1.5255-03	1.6410+00
61	521.08	7.0597-01	1.2004-01	4.1923-04	1.2004-01	4.1923-04	5.8945-04	9.5329-03	8.9271+03	1.0606-04	3.0090+00
62	521.07	5.2935-01	8.9193-02	3.1150-04	8.9193-02	3.1150-04	4.3798-04	7.0832-03	6.6331+03	7.8807-05	3.3930+00
63	521.55	4.6494-01	7.6934-02	2.6879-04	7.6934-02	2.6879-04	3.7793-04	6.1121-03	5.7237+03	6.8004-05	3.7770+00
64	520.83	1.2769+00	2.2362-01	7.8080-04	2.2362-01	7.8080-04	1.0978-03	1.7755-02	1.6626+04	1.9754-04	1.0880+00
65	523.43	2.1242+00	3.7260-01	1.3039-03	3.7260-01	1.3039-03	1.8333-03	2.9649-02	2.7765+04	3.2990-04	1.3070+00
66	529.49	9.8925+00	1.7418+00	6.1265-03	1.7418+00	6.1265-03	8.6141-03	1.3931-01	1.3046+05	1.5505-03	1.6410+00
69	516.80	4.1299-01	7.2142-02	2.5105-04	7.2142-02	2.5105-04	3.5298-04	5.7086-03	5.3458+03	6.3502-05	4.1100-01
70	519.88	6.4623-01	1.1311-01	3.9461-04	1.1311-01	3.9461-04	5.5484-04	8.9732-03	8.4030+03	9.9830-05	7.1100-01
71	524.46	2.0629+00	3.6102-01	1.2644-03	3.6102-01	1.2644-03	1.7778-03	2.8752-02	2.6925+04	3.1994-04	1.3070+00
72	529.93	9.4935+00	1.6720+00	5.8831-03	1.6720+00	5.8831-03	8.2720-03	1.3378-01	1.2528+05	1.4890-03	1.6410+00
73	523.27	1.8488+00	3.1195-01	1.0915-03	3.1195-01	1.0915-03	1.5346-03	2.4819-02	2.3242+04	2.7616-04	3.7770+00
74	523.09	8.1766-01	1.4004-01	4.8991-04	1.4004-01	4.8991-04	6.8884-04	1.1140-02	1.0432+04	1.2396-04	5.3230+00
77	522.83	1.3060+00	2.2699-01	7.9390-04	2.2699-01	7.9390-04	1.1163-03	1.8053-02	1.6906+04	2.0087-04	3.0090+00
78	522.50	1.0795+00	1.8537-01	6.4816-04	1.8537-01	6.4816-04	9.1135-04	1.4739-02	1.3802+04	1.6399-04	3.3930+00
79	522.27	6.9922-01	1.1790-01	4.1218-04	1.1790-01	4.1218-04	5.7955-04	9.3727-03	8.7771+03	1.0429-04	3.7770+00
80	523.43	2.3917+00	4.2076-01	1.4724-03	4.2076-01	1.4724-03	2.0702-03	3.3480-02	3.1353+04	3.7254-04	2.4660+00
81	523.14	1.7953+00	3.1210-01	1.0919-03	3.1210-01	1.0919-03	1.5352-03	2.4828-02	2.3251+04	2.7626-04	3.0090+00
82	522.70	1.4790+00	2.5476-01	8.9094-04	2.5476-01	8.9094-04	1.2527-03	2.0259-02	1.8972+04	2.2542-04	3.3930+00
83	522.45	1.2301+00	2.0997-01	7.3416-04	2.0997-01	7.3416-04	1.0323-03	1.6694-02	1.5633+04	1.8575-04	3.7770+00
337	525.73	4.0120+00	7.7275-01	2.7094-03	7.7275-01	2.7094-03	3.8095-03	6.1609-02	5.7694+04	6.8559-04	7.1680+00
339	525.40	4.9148+00	9.6665-01	3.3883-03	9.6665-01	3.3883-03	4.7640-03	7.7046-02	7.2150+04	8.5736-04	8.1130+00
340	522.32	1.6784+00	3.2260-01	1.1278-03	3.2260-01	1.1278-03	1.5858-03	2.5646-02	2.4016+04	2.8535-04	8.6180+00
342	524.29	1.3335+00	2.6483-01	9.2741-04	2.6483-01	9.2741-04	1.3040-03	2.1088-02	1.9748+04	2.3466-04	7.1680+00
344	525.41	5.1657+00	1.0213+00	3.5799-03	1.0213+00	3.5799-03	5.0335-03	8.1404-02	7.6231+04	9.0586-04	8.1130+00
347	526.98	4.5886+00	8.8450-01	3.1045-03	8.8450-01	3.1045-03	4.3650-03	7.0593-02	6.6107+04	7.8561-04	7.1680+00
349	526.05	4.8660+00	9.5993-01	3.3666-03	9.5993-01	3.3666-03	4.7335-03	7.6553-02	7.1688+04	8.5190-04	8.1130+00
350	522.59	2.0156+00	3.6577-01	1.2790-03	3.6577-01	1.2790-03	1.7984-03	2.9084-02	2.7236+04	3.2361-04	8.6180+00
352	528.80	2.9127+00	5.4860-01	1.9285-03	5.4860-01	1.9285-03	2.7115-03	4.3852-02	4.1066+04	4.8805-04	7.1680+00
354	527.45	6.9610+00	1.3708+00	4.8134-03	1.3708+00	4.8134-03	6.7678-03	1.0945-01	1.0250+05	1.2181-03	8.1130+00
357	530.18	5.8898+00	1.1073+00	3.8969-03	1.1073+00	3.8969-03	5.4792-03	8.8612-02	8.2981+04	9.8626-04	7.1680+00
359	527.96	7.1111+00	1.3094+00	4.5997-03	1.3094+00	4.5997-03	6.4673-03	1.0459-01	9.7947+04	1.1640-03	8.1130+00
401	516.54	6.4364-01	5.5550-02	1.9327-04	5.5550-02	1.9327-04	2.7174-04	4.3947-03	4.1155+03	4.8886-05	4.5500-01
403	517.15	7.0701-01	6.0321-02	2.0997-04	6.0321-02	2.0997-04	2.9523-04	4.7746-03	4.4712+03	5.3113-05	6.8600-01
404	517.67	7.9636-01	6.8373-02	2.3810-04	6.8373-02	2.3810-04	3.3478-04	5.4143-03	5.0703+03	6.0231-05	8.0100-01
405	518.76	1.5055+00	1.2857-01	4.4815-04	1.2857-01	4.4815-04	6.3012-04	1.0191-02	9.5430+03	1.1337-04	1.0510+00
406	520.17	2.1429+00	1.8427-01	6.4304-04	1.8427-01	6.4304-04	9.0415-04	1.4622-02	1.3693+04	1.6268-04	1.1670+00
407	520.95	2.4140+00	2.1140-01	7.3820-04	2.1140-01	7.3820-04	1.0379-03	1.6786-02	1.5719+04	1.8676-04	1.2830+00
408	518.02	1.1673+00	9.8451-02	3.4295-04	9.8451-02	3.4295-04	4.8220-04	7.7983-03	7.3028+03	8.6753-05	5.1300-01
409	516.18	1.4655+00	1.2570-01	4.3720-04	1.2570-01	4.3720-04	6.1472-04	9.9415-03	9.3098+03	1.1059-04	5.7000-01
410	516.74	1.3668+00	1.1309-01	3.9351-04	1.1309-01	3.9351-04	5.5329-04	8.9481-03	8.3795+03	9.9538-05	6.2800-01
411	517.37	1.6649+00	1.4292-01	4.9758-04	1.4292-01	4.9758-04	6.9962-04	1.1315-02	1.0596+04	1.2587-04	6.8600-01
412	516.96	1.1527+00	9.8336-02	3.4224-04	9.8336-02	3.4224-04	4.8121-04	7.7823-03	7.2878+03	8.6571-05	7.4400-01
413	518.60	1.6805+00	1.4523-01	5.0614-04	1.4523-01	5.0614-04	7.1165-04	1.1509-02	1.0778+04	1.2804-04	8.0100-01
414	517.66	1.3995+00	1.1944-01	4.1593-04	1.1944-01	4.1593-04	5.8482-04	9.4580-03	8.8570+03	1.0521-04	8.5900-01
415	519.00	1.6042+00	1.3784-01	4.8056-04	1.3784-01	4.8056-04	6.7569-04	1.0928-02	1.0233+04	1.2157-04	9.1700-01
416	517.94	1.3444+00	1.0720-01	3.7340-04	1.0720-01	3.7340-04	5.2502-04	8.4909-03	7.9514+03	9.4457-05	5.7000-01
417	518.67	2.1060+00	1.7985-01	6.2684-04	1.7985-01	6.2684-04	8.8136-04	1.4254-02	1.3348+04	1.5857-04	1.0520+00

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1 1 11.97 -.03 .00 -.00 402 11 2.35 10.04 217.5 1653.0

8.08544+01 4.81488-03 3.39806-01 4.42407+03 4.99625-06 6.54921-08 2.83146-02 7.72000+00 6.73117-06 7.51131-02

1	514.03	4.2702-01	7.4463-02	2.5861-04	7.4463-02	2.5861-04	3.6364-04	5.8805-03	5.5062+03	6.5376-05	4.1100-01
2	513.99	6.1714-01	1.0761-01	3.7373-04	1.0761-01	3.7373-04	5.2951-04	8.4982-03	7.9572+03	9.4477-05	7.1100-01
3	515.16	1.6894+00	2.9480-01	1.0248-03	2.9480-01	1.0248-03	1.4410-03	2.3303-02	2.1819+04	2.5908-04	1.3070+00
4	522.65	6.3673+00	1.1163+00	3.9052-03	1.1163+00	3.9052-03	5.4912-03	8.8801-02	8.3148+04	9.8758-04	1.6410+00
5	527.22	1.0785+01	1.9850+00	6.9707-03	1.9850+00	6.9707-03	9.8018-03	1.5851-01	1.4842+05	1.7631-03	1.7720+00
6	523.81	2.6395+00	4.5633-01	1.5979-03	4.5633-01	1.5979-03	2.2469-03	3.6335-02	3.4022+04	4.0412-04	2.4660+00
7	523.66	2.1418+00	3.6916-01	1.2925-03	3.6916-01	1.2925-03	1.8174-03	2.9390-02	2.7519+04	3.2687-04	3.0090+00
8	523.07	1.6935+00	2.8918-01	1.0120-03	2.8918-01	1.0120-03	1.4230-03	2.3011-02	2.1546+04	2.5592-04	3.3930+00
9	522.65	1.2940+00	2.2091-01	7.7278-04	2.2091-01	7.7278-04	1.0866-03	1.7572-02	1.6454+04	1.9543-04	3.7770+00
10	521.86	6.1610-01	1.0544-01	3.6860-04	1.0544-01	3.6860-04	5.1831-04	8.3818-03	7.8482+03	9.3213-05	5.3230+00
14	514.85	1.1719+00	2.0447-01	7.1060-04	2.0447-01	7.1060-04	9.9921-04	1.6159-02	1.5130+04	1.7965-04	1.0880+00
15	517.19	1.8971+00	3.3148-01	1.1543-03	3.3148-01	1.1543-03	1.6231-03	2.6248-02	2.4577+04	2.9184-04	1.3070+00
16	525.05	7.5714+00	1.3294+00	4.6601-03	1.3294+00	4.6601-03	6.5528-03	1.0597-01	9.9221+04	1.1786-03	1.6410+00
19	514.69	5.1013-01	8.0927-02	2.8121-04	8.0927-02	2.8121-04	3.9542-04	6.3945-03	5.9874+03	7.1092-05	4.1100-01
20	515.80	6.4260-01	1.0693-01	3.7193-04	1.0693-01	3.7193-04	5.2298-04	8.4573-03	7.9189+03	9.4030-05	7.1100-01
21	516.35	1.1777+00	1.9905-01	6.9262-04	1.9905-01	6.9262-04	9.7393-04	1.5750-02	1.4747+04	1.7511-04	1.0880+00
22	517.98	1.9179+00	3.2646-01	1.1375-03	3.2646-01	1.1375-03	1.5995-03	2.5867-02	2.4220+04	2.8761-04	1.3070+00
23	525.06	7.4405+00	1.2530+00	4.3922-03	1.2530+00	4.3922-03	6.1760-03	9.9875-02	9.3516+04	1.1108-03	1.6410+00
24	522.35	1.5745+00	2.6874-01	9.3989-04	2.6874-01	9.3989-04	1.3216-03	2.1372-02	2.0012+04	2.3768-04	3.0090+00
25	522.00	1.3091+00	2.1802-01	7.6226-04	2.1802-01	7.6226-04	1.0718-03	1.7333-02	1.6230+04	1.9276-04	3.3930+00
26	521.73	9.3818-01	1.5718-01	5.4943-04	1.5718-01	5.4943-04	7.7258-04	1.2494-02	1.1698+04	1.3894-04	3.7770+00
27	516.54	4.7740-01	7.9481-02	2.7661-04	7.9481-02	2.7661-04	3.8896-04	6.2900-03	5.8895+03	6.9935-05	7.1100-01
28	517.24	1.1860+00	2.0056-01	6.9842-04	2.0056-01	6.9842-04	9.8208-04	1.5862-02	1.4871+04	1.7658-04	1.0880+00
29	519.13	2.0571+00	3.5356-01	1.2332-03	3.5356-01	1.2332-03	1.7340-03	2.8042-02	2.6256+04	3.1181-04	1.3070+00
30	526.68	8.6883+00	1.5048+00	5.2820-03	1.5048+00	5.2820-03	7.4273-03	1.2011-01	1.1246+05	1.3360-03	1.6410+00
31	530.38	1.2750+01	2.2462+00	7.9091-03	2.2462+00	7.9091-03	1.1121-02	1.7965-01	1.6840+05	2.0008-03	1.7720+00
32	523.76	2.8135+00	4.8641-01	1.7031-03	4.8641-01	1.7031-03	2.3949-03	3.8728-02	3.6263+04	4.3073-04	2.4660+00
33	522.80	2.1491+00	3.7242-01	1.3030-03	3.7242-01	1.3030-03	1.8322-03	2.9628-02	2.7742+04	3.2951-04	3.0090+00
34	522.14	1.6119+00	2.7509-01	9.6191-04	2.7509-01	9.6191-04	1.3526-03	2.1873-02	2.0481+04	2.4325-04	3.3930+00
35	522.15	1.5418+00	2.5206-01	8.8140-04	2.5206-01	8.8140-04	1.2394-03	2.0042-02	1.8766+04	2.2289-04	3.7770+00
36	519.74	1.9351+00	3.2875-01	1.1472-03	3.2875-01	1.1472-03	1.6132-03	2.6087-02	2.4426+04	2.9008-04	1.3070+00
37	524.04	3.2338+00	5.6579-01	1.9816-03	5.6579-01	1.9816-03	2.7864-03	4.5060-02	4.2191+04	5.0115-04	2.4660+00
38	523.04	2.4213+00	4.1345-01	1.4468-03	4.1345-01	1.4468-03	2.0344-03	3.2899-02	3.0805+04	3.6588-04	3.0090+00
39	522.19	2.1179+00	3.5928-01	1.2563-03	3.5928-01	1.2563-03	1.7666-03	2.8568-02	2.6750+04	3.1771-04	3.3930+00
40	522.39	1.7964+00	3.0201-01	1.0563-03	3.0201-01	1.0563-03	1.4852-03	2.4018-02	2.2489+04	2.6711-04	3.7770+00
41	522.59	1.2764+00	2.1003-01	7.3469-04	2.1003-01	7.3469-04	1.0331-03	1.6706-02	1.5643+04	1.8579-04	4.1620+00
43	522.22	6.6208-01	1.0430-01	3.6472-04	1.0430-01	3.6472-04	5.1285-04	8.2935-03	7.7655+03	9.2232-05	5.3230+00
47	517.50	5.5377-01	9.3098-02	3.2427-04	9.3098-02	3.2427-04	4.5597-04	7.3736-03	6.9042+03	8.1987-05	7.1100-01
48	518.97	1.2494+00	2.1407-01	7.4654-04	2.1407-01	7.4654-04	1.0497-03	1.6976-02	1.5895+04	1.8876-04	1.0880+00
49	521.12	2.2348+00	3.8572-01	1.3476-03	3.8572-01	1.3476-03	1.8949-03	3.0643-02	2.8693+04	3.4077-04	1.3070+00
50	529.00	8.8987+00	1.5526+00	5.4606-03	1.5526+00	5.4606-03	7.6784-03	1.2417-01	1.1626+05	1.3813-03	1.6410+00
51	533.21	1.3629+01	2.4052+00	8.4896-03	2.4052+00	8.4896-03	1.1938-02	1.9305-01	1.8076+05	2.1479-03	1.7720+00
52	520.79	7.0961-01	1.2427-01	4.3403-04	1.2427-01	4.3403-04	6.1031-04	9.8695-03	9.2412+03	1.0975-04	2.4660+00
53	521.58	1.6234+00	2.7694-01	9.6793-04	2.7694-01	9.6793-04	1.3611-03	2.2010-02	2.0609+04	2.4477-04	3.0090+00
54	521.29	1.2509+00	2.1080-01	7.3658-04	2.1080-01	7.3658-04	1.0357-03	1.6749-02	1.5683+04	1.8626-04	3.3930+00
55	521.11	1.0748+00	1.7780-01	6.2118-04	1.7780-01	6.2118-04	8.7346-04	1.4125-02	1.3226+04	1.5708-04	3.7770+00
56	515.08	1.7922-01	2.8713-02	9.9808-05	2.8713-02	9.9808-05	1.4034-04	2.2695-03	2.1251+03	2.5232-05	4.1100-01
57	517.20	6.4260-01	1.0736-01	3.7384-04	1.0736-01	3.7384-04	5.2567-04	8.5007-03	7.9595+03	9.4518-05	7.1100-01
58	519.55	1.2182+00	2.0880-01	7.2852-04	2.0880-01	7.2852-04	1.0244-03	1.6566-02	1.5511+04	1.8421-04	1.0880+00
59	522.39	2.0488+00	3.5285-01	1.2341-03	3.5285-01	1.2341-03	1.7353-03	2.8062-02	2.6275+04	3.1208-04	1.3070+00
60	531.69	9.9106+00	1.7218+00	6.0696-03	1.7218+00	6.0696-03	8.5347-03	1.3802-01	1.2923+05	1.5355-03	1.6410+00
61	521.26	7.0753-01	1.2032-01	4.2040-04	1.2032-01	4.2040-04	5.9114-04	9.5595-03	8.9509+03	1.0631-04	3.0090+00
62	521.21	5.7351-01	9.6642-02	3.3766-04	9.6642-02	3.3766-04	4.7480-04	7.6782-03	7.1894+03	8.5386-05	3.3930+00
63	521.67	4.7740-01	7.9003-02	2.7614-04	7.9003-02	2.7614-04	3.8829-04	6.2792-03	5.8794+03	6.9830-05	3.7770+00
64	521.16	1.2842+00	2.2494-01	7.8588-04	2.2494-01	7.8588-04	1.1051-03	1.7870-02	1.6733+04	1.9873-04	1.0880+00
65	523.97	2.1153+00	3.7118-01	1.2999-03	3.7118-01	1.2999-03	1.8278-03	2.9559-02	2.7677+04	3.2875-04	1.3070+00
66	532.00	9.9673+00	1.7577+00	6.1977-03	1.7577+00	6.1977-03	8.7148-03	1.4093-01	1.3196+05	1.5679-03	1.6410+00
69	516.91	4.3636-01	7.6231-02	2.6539-04	7.6231-02	2.6539-04	3.7317-04	6.0347-03	5.6505+03	6.7098-05	4.1100-01
70	520.05	7.0442-01	1.2330-01	4.3039-04	1.2330-01	4.3039-04	6.0519-04	9.7867-03	9.1637+03	1.0883-04	7.1100-01
71	524.96	2.0208+00	3.5377-01	1.2400-03	3.5377-01	1.2400-03	1.7436-03	2.8196-02	2.6401+04	3.1360-04	1.3070+00
72	532.32	9.5288+00	1.6807+00	5.9278-03	1.6807+00	5.9278-03	8.3353-03	1.3479-01	1.2621+05	1.4997-03	1.6410+00
73	523.67	1.6784+00	2.8327-01	9.9178-04	2.8327-01	9.9178-04	1.3946-03	2.2552-02	2.1117+04	2.5082-04	3.7770+00
74	523.23	6.8416-01	1.1719-01	4.1014-04	1.1719-01	4.1014-04	5.7672-04	9.3263-03	8.7326+03	1.0372-04	5.3230+00
77	523.17	1.4145+00	2.4591-01	8.6063-04	2.4591-01	8.6063-04	1.2102-03	1.9570-02	1.8324+04	2.1765-04	3.0090+00
78	522.78	1.1081+00	1.9031-01	6.6582-04	1.9031-01	6.6582-04	9.3623-04	1.5140-02	1.4176+04	1.6838-04	3.3930+00
79	522.46	6.9662-01	1.1748-01	4.1090-04	1.1748-01	4.1090-04	5.7779-04	9.3436-03	8.7487+03	1.0391-04	3.7770+00
80	524.06	2.5668+00	4.5173-01	1.5821-03	4.5173-01	1.5821-03	2.2247-03	3.5976-02	3.3686+04	4.0012-04	2.4660+00
81	523.57	1.8047+00	3.1381-01	1.0986-03	3.1381-01	1.0986-03	1.5448-03	2.4982-02	2.3392+04	2.7784-04	3.0090+00
82	523.06	1.4696+00	2.5321-01	8.8607-04	2.5321-01	8.8607-04	1.2459-03	2.0149-02	1.8866+04	2.2408-04	3.3930+00
83	522.75	1.2857+00	2.1950-01	7.6793-04	2.1950-01	7.6793-04	1.0798-03	1.7462-02	1.6350+04	1.9420-04	3.7770+00
337	526.79	4.1610+00	8.0200-01	2.8154-03	8.0200-01	2.8154-03	3.9588-03	6.4020-02	5.9944+04	7.1210-04	7.1680+00
339	526.65	5.0733+00	9.9859-01	3.5051-03	9.9859-01	3.5051-03	4.9287-03	7.9703-02	7.4629+04	8.8655-04	8.1130+00
340	522.73	1.7434+00	3.3517-01	1.1726-03	3.3517-01	1.1726-03	1.6488-03	2.6663-02	2.4966+04	2.9653-04	8.6180+00
342	524.65	1.2816+00	2.5457-01	8.9205-04	2.5457-01	8.9205-04	1.2544-03	2.0285-02	1.8993+04	2.2561-04	7.1680+00
344	526.79	5.4556+00	1.0795+00	3.7897-03	1.0795+00	3.7897-03	5.3289-03	8.6175-02	8.0689+04	9.5853-04	8.1130+00
347	528.12	4.6218+00	8.9154-01	3.1333-03	8.9154-01	3.1333-03	4.4058-03	7.1248-02	6.6712+04	7.9254-04	7.1680+00
349	527.16	4.6203+00	9.1208-01	3.2028-03	9.1208-01	3.2028-03	4.5036-03	7.2830-02	6.8193+04	8.1011-04	8.1130+00
350	523.06	2.0125+00	3.6531-01	1.2784-03	3.6531-01	1.2784-03	1.7976-03	2.9069-02	2.7219+04	3.2329-04	8.6180+00
352	529.07	1.6977+00	3.1980-01	1.1248-03	3.1980-01	1.1248-03	1.5817-03	2.5578-02	2.3949+04	2.8453-04	7.1680+00
354	528.92	6.1210+00	1.2065+00	4.2431-03	1.2065+00	4.2431-03	5.9664-03	9.6485-02	9.0342+04	1.0733-03	8.1130+00
357	531.05	4.2338+00	7.9635-01	2.8057-03	7.9635-01	2.8057-03	3.9452-03	6.3799-02	5.9737+04	7.0977-04	7.1680+00
359	529.09	4.6208+00	8.5144-01	2.9948-03	8.5144-01	2.9948-03	4.2111-03	6.8099-02	6.3764+04	7.5755-04	8.1130+00
401	516.72	7.3091-01	6.3089-02	2.1960-04	6.3089-02	2.1960-04	3.0879-04	4.9935-03	4.6756+03	5.5521-05	4.5500-01
403	517.33	7.2156-01	6.1569-02	2.1442-04	6.1569-02	2.1442-04	3.0150-04	4.8757-03	4.5653+03	5.4212-05	6.8600-01
404	517.87	8.5455-01	7.3378-02	2.5566-04	7.3378-02	2.5566-04	3.5950-04	5.8135-03	5.4434+03	6.4641-05	8.0100-01
405	519.15	1.5668+00	1.3384-01	4.6682-04	1.3384-01	4.6682-04	6.5641-04	1.0615-02	9.9393+03	1.1804-04	1.0510+00
406	520.70	2.0696+00	1.7794-01	6.2144-04	1.7794-01	6.2144-04	8.7383-04	1.4131-02	1.3231+04	1.5714-04	1.1670+00
407	521.57	2.4883+00	2.1799-01	7.6186-04	2.1799-01	7.6186-04	1.0713-03	1.7324-02	1.6221+04	1.9266-04	1.2830+00
408	518.31	1.2042+00	1.0158-01	3.5405-04	1.0158-01	3.5405-04	4.9785-04	8.0509-03	7.5383+03	8.9520-05	5.1300-01
409	516.57	1.4857+00	1.2747-01	4.4364-04	1.2747-01	4.4364-04	6.2383-04	1.0088-02	9.4459+03	1.1216-04	5.7000-01
410	517.08	1.3631+00	1.1281-01	3.9279-04	1.1281-01	3.9279-04	5.5232-04	8.9318-03	8.3632+03	9.9310-05	6.2800-01
411	517.83	1.7475+00	1.5005-01	5.2279-04	1.5005-01	5.2279-04	7.3511-04	1.1888-02	1.1131+04	1.3218-04	6.8600-01
412	517.23	1.0831+00	9.2414-02	3.2181-04	9.2414-02	3.2181-04	4.5251-04	7.3177-03	6.8518+03	8.1364-05	7.4400-01
413	519.00	1.6556+00	1.4311-01	4.9909-04	1.4311-01	4.9909-04	7.0179-04	1.1349-02	1.0626+04	1.2619-04	8.0100-01
414	518.01	1.3652+00	1.1654-01	4.0609-04	1.1654-01	4.0609-04	5.7101-04	9.2341-03	8.6462+03	1.0267-04	8.5900-01
415	519.39	1.5345+00	1.3189-01	4.6012-04	1.3189-01	4.6012-04	6.4700-04	1.0463-02	9.7967+03	1.1634-04	9.1700-01
416	518.29	1.3569+00	1.0822-01	3.7718-04	1.0822-01	3.7718-04	5.3037-04	8.5768-03	8.0308+03	9.5368-05	5.7000-01
417	519.21	2.0379+00	1.7410-01	6.0726-04	1.7410-01	6.0726-04	8.5389-04	1.3809-02	1.2930+04	1.5355-04	1.0520+00

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1 1 11.97 -.03 .00 -.00 402 11 2.60 10.04 217.5 1653.0

8.08544+01 4.81488-03 3.39806-01 4.42407+03 4.99625-06 6.54921-08 2.83146-02 7.72000+00 6.73117-06 7.51131-02

1	514.15	3.9221-01	6.8398-02	2.3757-04	6.8398-02	2.3757-04	3.3405-04	5.4021-03	5.0582+03	6.0057-05	4.1100-01
2	514.13	6.5974-01	1.1505-01	3.9961-04	1.1505-01	3.9961-04	5.6190-04	9.0867-03	8.5082+03	1.0102-04	7.1100-01
3	515.64	1.8431+00	3.2173-01	1.1189-03	3.2173-01	1.1189-03	1.5733-03	2.5442-02	2.3822+04	2.8286-04	1.3070+00
4	524.24	6.4410+00	1.1304+00	3.9597-03	1.1304+00	3.9597-03	5.5679-03	9.0040-02	8.4308+04	1.0014-03	1.6410+00
5	529.88	1.0579+01	1.9503+00	6.8645-03	1.9503+00	6.8645-03	9.6525-03	1.5609-01	1.4616+05	1.7365-03	1.7720+00
6	524.48	2.7501+00	4.7566-01	1.6665-03	4.7566-01	1.6665-03	2.3434-03	3.7896-02	3.5483+04	4.2148-04	2.4660+00
7	524.18	2.1164+00	3.6489-01	1.2781-03	3.6489-01	1.2781-03	1.7972-03	2.9063-02	2.7213+04	3.2324-04	3.0090+00
8	523.50	1.7418+00	2.9751-01	1.0415-03	2.9751-01	1.0415-03	1.4645-03	2.3682-02	2.2175+04	2.6339-04	3.3930+00
9	522.99	1.3429+00	2.2929-01	8.0233-04	2.2929-01	8.0233-04	1.1282-03	1.8244-02	1.7083+04	2.0290-04	3.7770+00
10	522.00	5.6104-01	9.6025-02	3.3573-04	9.6025-02	3.3573-04	4.7208-04	7.6342-03	7.1482+03	8.4900-05	5.3230+00
14	515.13	1.1325+00	1.9762-01	6.8695-04	1.9762-01	6.8695-04	9.6595-04	1.5621-02	1.4626+04	1.7367-04	1.0880+00
15	517.68	1.9008+00	3.3222-01	1.1573-03	3.3222-01	1.1573-03	1.6274-03	2.6316-02	2.4641+04	2.9261-04	1.3070+00
16	526.98	7.7351+00	1.3598+00	4.7744-03	1.3598+00	4.7744-03	6.7134-03	1.0857-01	1.0165+05	1.2076-03	1.6410+00
19	514.80	4.8831-01	7.7471-02	2.6923-04	7.7471-02	2.6923-04	3.7857-04	6.1220-03	5.7323+03	6.8063-05	4.1100-01
20	515.97	6.1662-01	1.0262-01	3.5698-04	1.0262-01	3.5698-04	5.0197-04	8.1175-03	7.6007+03	9.0252-05	7.1100-01
21	516.66	1.2353+00	2.0883-01	7.2687-04	2.0883-01	7.2687-04	1.0221-03	1.6528-02	1.5476+04	1.8377-04	1.0880+00
22	518.43	1.9361+00	3.2965-01	1.1491-03	3.2965-01	1.1491-03	1.6158-03	2.6129-02	2.4466+04	2.9054-04	1.3070+00
23	526.93	7.5392+00	1.2711+00	4.4626-03	1.2711+00	4.4626-03	6.2751-03	1.0148-01	9.5017+04	1.1287-03	1.6410+00
24	522.76	1.5745+00	2.6881-01	9.4045-04	2.6881-01	9.4045-04	1.3224-03	2.1385-02	2.0024+04	2.3783-04	3.3930+00
25	522.34	1.3210+00	2.2006-01	7.6960-04	2.2006-01	7.6960-04	1.0822-03	1.7500-02	1.6386+04	1.9462-04	3.7770+00
26	521.98	9.5428-01	1.5991-01	5.5906-04	1.5991-01	5.5906-04	7.8612-04	1.2713-02	1.1903+04	1.4138-04	3.7770+00
27	516.66	4.1039-01	6.8329-02	2.3783-04	6.8329-02	2.3783-04	3.3442-04	5.4080-03	5.0637+03	6.0129-05	7.1100-01
28	517.52	1.1823+00	1.9998-01	6.9657-04	1.9998-01	6.9657-04	9.7948-04	1.5839-02	1.4831+04	1.7612-04	1.0880+00
29	519.65	2.0758+00	3.5689-01	1.2453-03	3.5689-01	1.2453-03	1.7511-03	2.8318-02	2.6515+04	3.1489-04	1.3070+00
30	528.86	8.7756+00	1.5220+00	5.3522-03	1.5220+00	5.3522-03	7.5259-03	1.2170-01	1.1396+05	1.3538-03	1.6410+00
31	533.53	1.2480+01	2.2029+00	7.7775-03	2.2029+00	7.7775-03	1.0936-02	1.7685-01	1.6559+05	1.9677-03	1.7720+00
32	524.48	2.9491+00	5.1008-01	1.7871-03	5.1008-01	1.7871-03	2.5129-03	4.0638-02	3.8050+04	4.5197-04	2.4660+00
33	523.33	2.1065+00	3.6516-01	1.2781-03	3.6516-01	1.2781-03	1.7972-03	2.9064-02	2.7213+04	3.2323-04	3.0090+00
34	522.56	1.5964+00	2.7250-01	9.5319-04	2.7250-01	9.5319-04	1.3403-03	2.1675-02	2.0295+04	2.4105-04	3.3930+00
35	522.53	1.4914+00	2.4388-01	8.5307-04	2.4388-01	8.5307-04	1.1995-03	1.9398-02	1.8163+04	2.1573-04	3.7770+00
36	520.23	1.9538+00	3.3203-01	1.1591-03	3.3203-01	1.1591-03	1.6299-03	2.6358-02	2.4680+04	2.9310-04	1.3070+00
37	524.86	3.3777+00	5.9127-01	2.0723-03	5.9127-01	2.0723-03	2.9139-03	4.7121-02	4.4122+04	5.2410-04	2.4660+00
38	523.65	2.3891+00	4.0810-01	1.4288-03	4.0810-01	1.4288-03	2.0091-03	3.2490-02	3.0422+04	3.6135-04	3.0090+00
39	522.74	1.9382+00	3.2890-01	1.1506-03	3.2890-01	1.1506-03	1.6180-03	2.6165-02	2.4499+04	2.9099-04	3.3930+00
40	522.84	1.7855+00	3.0026-01	1.0505-03	3.0026-01	1.0505-03	1.4772-03	2.3888-02	2.2367+04	2.6567-04	3.7770+00
41	522.90	1.2894+00	2.1221-01	7.4251-04	2.1221-01	7.4251-04	1.0441-03	1.6884-02	1.5809+04	1.8777-04	4.1620+00
43	522.37	5.8961-01	1.0215-01	3.5725-04	1.0215-01	3.5725-04	5.0234-04	8.1235-03	7.6064+03	9.0343-05	5.3230+00
47	517.63	5.0597-01	8.5071-02	2.9634-04	8.5071-02	2.9634-04	4.1670-04	6.7385-03	6.3095+03	7.4925-05	7.1100-01
48	519.30	1.2275+00	2.1037-01	7.3385-04	2.1037-01	7.3385-04	1.0319-03	1.6687-02	1.5625+04	1.8556-04	1.0880+00
49	521.68	2.2187+00	3.8308-01	1.3390-03	3.8308-01	1.3390-03	1.8828-03	3.0448-02	2.8509+04	3.3860-04	1.3070+00
50	531.20	8.9475+00	1.5632+00	5.5083-03	1.5632+00	5.5083-03	7.7455-03	1.2525-01	1.1728+05	1.3935-03	1.6410+00
51	536.57	1.3333+01	2.3578+00	8.3462-03	2.3578+00	8.3462-03	1.1736-02	1.8979-01	1.7770+05	2.1119-03	1.7720+00
52	520.95	6.8104-01	1.1928-01	4.1666-04	1.1928-01	4.1666-04	5.8588-04	9.4744-03	8.8713+03	1.0536-04	2.4660+00
53	521.97	1.5673+00	2.6744-01	9.3502-04	2.6744-01	9.3502-04	1.3148-03	2.1262-02	1.9908+04	2.3645-04	3.0090+00
54	521.61	1.3034+00	2.1969-01	7.6783-04	2.1969-01	7.6783-04	1.0797-03	1.7460-02	1.6348+04	1.9417-04	3.3930+00
55	521.39	1.0758+00	1.7800-01	6.2204-04	1.7800-01	6.2204-04	8.7467-04	1.4145-02	1.3244+04	1.5730-04	3.7770+00
56	515.07	2.4002-01	3.8453-02	1.3366-04	3.8453-02	1.3366-04	1.8795-04	3.0393-03	2.8458+03	3.3791-05	4.1100-01
57	517.35	6.4052-01	1.0702-01	3.7271-04	1.0702-01	3.7271-04	5.2408-04	8.4751-03	7.9355+03	9.4233-05	7.1100-01
58	519.84	1.1397+00	1.9539-01	6.8191-04	1.9539-01	6.8191-04	9.5886-04	1.5506-02	1.4519+04	1.7243-04	1.0880+00
59	522.91	2.0514+00	3.5342-01	1.2366-03	3.5342-01	1.2366-03	1.7388-03	2.8119-02	2.6329+04	3.1272-04	1.3070+00
60	534.17	9.9268+00	1.7273+00	6.1016-03	1.7273+00	6.1016-03	8.5798-03	1.3875-01	1.2991+05	1.5438-03	1.6410+00
61	521.44	6.9299-01	1.1786-01	4.1186-04	1.1786-01	4.1186-04	5.7914-04	9.3655-03	8.7692+03	1.0415-04	3.0090+00
62	521.34	5.5429-01	9.3410-02	3.2641-04	9.3410-02	3.2641-04	4.5898-04	7.4223-03	6.9498+03	8.2541-05	3.3930+00
63	521.80	4.0519-01	6.7058-02	2.3442-04	6.7058-02	2.3442-04	3.2962-04	5.3304-03	4.9911+03	5.9279-05	3.7770+00
64	521.47	1.2068+00	2.1142-01	7.3885-04	2.1142-01	7.3885-04	1.0389-03	1.6801-02	1.5731+04	1.8684-04	1.0880+00
65	524.49	2.0940+00	3.6756-01	1.2878-03	3.6756-01	1.2878-03	1.8108-03	2.9284-02	2.7419+04	3.2569-04	1.3070+00
66	534.49	9.9694+00	1.7607+00	6.2216-03	1.7607+00	6.2216-03	8.7485-03	1.4147-01	1.3247+05	1.5741-03	1.6410+00
69	517.01	4.5455-01	7.9413-02	2.7649-04	7.9413-02	2.7649-04	3.8878-04	6.2871-03	5.8869+03	6.9905-05	4.1100-01
70	520.24	7.1065-01	1.2441-01	4.3432-04	1.2441-01	4.3432-04	6.1071-04	9.8760-03	9.2473+03	1.0982-04	7.1100-01
71	525.45	1.9481+00	3.4114-01	1.1962-03	3.4114-01	1.1962-03	1.6820-03	2.7201-02	2.5469+04	3.0254-04	1.3070+00
72	534.67	9.5148+00	1.6806+00	5.9395-03	1.6806+00	5.9395-03	8.3518-03	1.3506-01	1.2646+05	1.5028-03	1.6410+00
73	524.10	1.6701+00	2.8194-01	9.8749-04	2.8194-01	9.8749-04	1.3885-03	2.2455-02	2.1025+04	2.4974-04	3.7770+00
74	523.40	6.4675-01	1.1079-01	3.8782-04	1.1079-01	3.8782-04	5.4533-04	8.8187-03	8.2572+03	9.8078-05	5.3230+00
77	523.54	1.3870+00	2.4118-01	8.4433-04	2.4118-01	8.4433-04	1.1873-03	1.9199-02	1.7977+04	2.1353-04	3.0090+00
78	523.06	1.0758+00	1.8481-01	6.4672-04	1.8481-01	6.4672-04	9.0938-04	1.4706-02	1.3770+04	1.6355-04	3.3930+00
79	522.64	6.8831-01	1.1609-01	4.0610-04	1.1609-01	4.0610-04	5.7104-04	9.2345-03	8.6466+03	1.0270-04	3.7770+00
80	524.72	2.6888+00	4.7341-01	1.6590-03	4.7341-01	1.6590-03	2.3328-03	3.7724-02	3.5322+04	4.1957-04	2.4660+00
81	524.03	1.8187+00	3.1634-01	1.1079-03	3.1634-01	1.1079-03	1.5579-03	2.5193-02	2.3589+04	2.8019-04	3.0090+00
82	523.43	1.5148+00	2.6105-01	9.1382-04	2.6105-01	9.1382-04	1.2850-03	2.0779-02	1.9457+04	2.3110-04	3.3930+00
83	523.07	1.2608+00	2.1529-01	7.5339-04	2.1529-01	7.5339-04	1.0594-03	1.7131-02	1.6041+04	1.9053-04	3.7770+00
337	527.82	4.1808+00	8.0632-01	2.8330-03	8.0632-01	2.8330-03	3.9836-03	6.4421-02	6.0320+04	7.1659-04	7.1680+00
339	527.95	5.2094+00	1.0262+00	3.6060-03	1.0262+00	3.6060-03	5.0705-03	8.1997-02	7.6777+04	9.1211-04	8.1130+00
340	523.18	1.8312+00	3.5215-01	1.2324-03	3.5215-01	1.2324-03	1.7330-03	2.8025-02	2.6241+04	3.1168-04	8.6180+00
342	524.96	1.3148+00	2.6123-01	9.1561-04	2.6123-01	9.1561-04	1.2875-03	2.0820-02	1.9495+04	2.3157-04	7.1680+00
344	528.18	5.5169+00	1.0926+00	3.8401-03	1.0926+00	3.8401-03	5.3997-03	8.7321-02	8.1762+04	9.7134-04	8.1130+00
347	529.27	4.5875+00	8.8556-01	3.1153-03	8.8556-01	3.1153-03	4.3805-03	7.0839-02	6.6329+04	7.8803-04	7.1680+00
349	528.31	4.5984+00	9.0842-01	3.1931-03	9.0842-01	3.1931-03	4.4899-03	7.2608-02	6.7986+04	8.0768-04	8.1130+00
350	523.58	2.0234+00	3.6741-01	1.2863-03	3.6741-01	1.2863-03	1.8087-03	2.9249-02	2.7387+04	3.2530-04	8.6180+00
352	529.47	1.5668+00	2.9522-01	1.0387-03	2.9522-01	1.0387-03	1.4606-03	2.3619-02	2.2116+04	2.6275-04	7.1680+00
354	530.43	6.0166+00	1.1870+00	4.1800-03	1.1870+00	4.1800-03	5.8776-03	9.5049-02	8.8998+04	1.0574-03	8.1130+00
357	532.07	4.1787+00	7.8649-01	2.7733-03	7.8649-01	2.7733-03	3.8997-03	6.3063-02	5.9049+04	7.0162-04	7.1680+00
359	530.07	4.0452+00	7.4583-01	2.6255-03	7.4583-01	2.6255-03	3.6918-03	5.9702-02	5.5901+04	6.6416-04	8.1130+00
401	516.92	7.3143-01	6.3142-02	2.1982-04	6.3142-02	2.1982-04	3.0910-04	4.9985-03	4.6803+03	5.5577-05	4.5500-01
403	517.53	7.7039-01	6.5744-02	2.2899-04	6.5744-02	2.2899-04	3.2200-04	5.2072-03	4.8757+03	5.7898-05	6.8600-01
404	518.10	9.0546-01	7.7760-02	2.7098-04	7.7760-02	2.7098-04	3.8104-04	6.1619-03	5.7696+03	6.8515-05	8.0100-01
405	519.54	1.5595+00	1.3325-01	4.6492-04	1.3325-01	4.6492-04	6.5375-04	1.0572-02	9.8989+03	1.1756-04	1.0510+00
406	521.20	2.0234+00	1.7411-01	6.0832-04	1.7411-01	6.0832-04	8.5538-04	1.3833-02	1.2952+04	1.5383-04	1.1670+00
407	522.19	2.5055+00	2.1957-01	7.6782-04	2.1957-01	7.6782-04	1.0797-03	1.7459-02	1.6348+04	1.9417-04	1.2830+00
408	518.61	1.1813+00	9.9671-02	3.4749-04	9.9671-02	3.4749-04	4.8861-04	7.9015-03	7.3985+03	8.7861-05	5.1300-01
409	516.93	1.3512+00	1.1595-01	4.0368-04	1.1595-01	4.0368-04	5.6763-04	9.1794-03	8.5950+03	1.0206-04	5.7000-01
410	517.43	1.3506+00	1.1180-01	3.8940-04	1.1180-01	3.8940-04	5.4755-04	8.8546-03	8.2909+03	9.8453-05	6.2830-01
411	518.27	1.6057+00	1.3791-01	4.8067-04	1.3791-01	4.8067-04	6.7590-04	1.0930-02	1.0234+04	1.2154-04	6.8600-01
412	517.51	1.1325+00	9.6642-02	3.3661-04	9.6642-02	3.3661-04	4.7332-04	7.6543-03	7.1670+03	8.5107-05	7.4400-01
413	519.41	1.6899+00	1.4611-01	5.0973-04	1.4611-01	5.0973-04	7.1675-04	1.1591-02	1.0853+04	1.2889-04	8.0100-01
414	518.36	1.3912+00	1.1878-01	4.1402-04	1.1878-01	4.1402-04	5.8218-04	9.4145-03	8.8152+03	1.0468-04	8.5900-01
415	519.75	1.4384+00	1.2366-01	4.3154-04	1.2366-01	4.3154-04	6.0680-04	9.8128-03	9.1881+03	1.0912-04	9.1700-01
416	518.62	1.3834+00	1.1035-01	3.8474-04	1.1035-01	3.8474-04	5.4099-04	8.7486-03	8.1916+03	9.7280-05	5.7000-01
417	519.70	1.9704+00	1.6838-01	5.8756-04	1.6838-01	5.8756-04	8.2619-04	1.3361-02	1.2510+04	1.4857-04	1.0520+00

[redacted]

1 1 11.97 -.03 .00 -.00 402 11 3.10 10.04 217.5 1652.7

8.08364+01 4.81502-03 3.39816-01 4.42357+03 4.99751-06 6.54775-08 2.83249-02 7.72000+00 6.72946-06 7.51154-02

1	514.34	3.0338-01	5.2913-02	1.8381-04	5.2913-02	1.8381-04	2.5843-04	4.1797-03	3.9146+03	4.6482-05	4.1100-01
2	514.42	6.5195-01	1.1372-01	3.9506-04	1.1372-01	3.9506-04	5.5543-04	8.9833-03	8.4136+03	9.9902-05	7.1100-01
3	516.59	1.7813+00	3.1112-01	1.0828-03	3.1112-01	1.0828-03	1.5224-03	2.4623-02	2.3061+04	2.7385-04	1.3070+00
4	527.52	6.5927+00	1.1594+00	4.0725-03	1.1594+00	4.0725-03	5.7257-03	9.2605-02	8.6732+04	1.0304-03	1.6410+00
5	535.10	1.0263+01	1.8981+00	6.7104-03	1.8981+00	6.7104-03	9.4345-03	1.5259-01	1.4291+05	1.6984-03	1.7720+00
6	525.93	2.9984+00	5.1908-01	1.8209-03	5.1908-01	1.8209-03	2.5600-03	4.1405-02	3.8779+04	4.6068-04	2.4660+00
7	525.23	2.0935+00	3.6119-01	1.2663-03	3.6119-01	1.2663-03	1.7803-03	2.8794-02	2.6967+04	3.2035-04	3.0090+00
8	524.37	1.6545+00	2.8275-01	9.9057-04	2.8275-01	9.9057-04	1.3927-03	2.2525-02	2.1096+04	2.5060-04	3.3930+00
9	523.66	1.3101+00	2.2380-01	7.8355-04	2.2380-01	7.8355-04	1.1016-03	1.7817-02	1.6687+04	1.9822-04	3.7770+00
10	522.26	5.7923-01	9.9153-02	3.4674-04	9.9153-02	3.4674-04	4.8750-04	7.8847-03	7.3846+03	8.7712-05	5.3230+00
14	515.68	1.2784+00	2.2317-01	7.7613-04	2.2317-01	7.7613-04	1.0912-03	1.7649-02	1.6529+04	1.9628-04	1.0880+00
15	518.62	1.8706+00	3.2715-01	1.1406-03	3.2715-01	1.1406-03	1.6036-03	2.5935-02	2.4290+04	2.8847-04	1.3070+00
16	530.85	7.8296+00	1.3797+00	4.8602-03	1.3797+00	4.8602-03	6.8332-03	1.1052-01	1.0351+05	1.2299-03	1.6410+00
19	515.06	4.5299-01	7.1878-02	2.4985-04	7.1878-02	2.4985-04	3.5127-04	5.6813-03	5.3210+03	6.3183-05	4.1100-01
20	516.25	5.5325-01	9.2091-02	3.2042-04	9.2091-02	3.2042-04	4.5050-04	7.2862-03	6.8240+03	8.1034-05	7.1100-01
21	517.25	1.0862+00	1.8370-01	6.3970-04	1.8370-01	6.3970-04	8.9938-04	1.4546-02	1.3624+04	1.6178-04	1.0880+00
22	519.45	1.9455+00	3.3145-01	1.1563-03	3.3145-01	1.1563-03	1.6258-03	2.6294-02	2.4627+04	2.9248-04	1.3070+00
23	530.77	7.7823+00	1.3152+00	4.6326-03	1.3152+00	4.6326-03	6.5131-03	1.0534-01	9.8660+04	1.1723-03	1.6410+00
24	523.55	1.5075+00	2.5750-01	9.0147-04	2.5750-01	9.0147-04	1.2674-03	2.0499-02	1.9199+04	2.2805-04	3.0090+00
25	522.97	1.2535+00	2.0889-01	7.3093-04	2.0889-01	7.3093-04	1.0277-03	1.6621-02	1.5567+04	1.8490-04	3.3930+00
26	522.40	9.5845-01	1.6065-01	5.6185-04	1.6065-01	5.6185-04	7.8994-04	1.2776-02	1.1966+04	1.4213-04	3.7770+00
27	516.84	3.8442-01	6.4012-02	2.2283-04	6.4012-02	2.2283-04	3.1329-04	5.0671-03	4.7457+03	5.6356-05	7.1100-01
28	518.11	1.1153+00	1.8872-01	6.5766-04	1.8872-01	6.5766-04	9.2463-04	1.4955-02	1.4006+04	1.6633-04	1.0880+00
29	520.68	2.0665+00	3.5552-01	1.2416-03	3.5552-01	1.2416-03	1.7456-03	2.8233-02	2.6442+04	3.1406-04	1.3070+00
30	533.29	8.8483+00	1.5388+00	5.4317-03	1.5388+00	5.4317-03	7.6366-03	1.2351-01	1.1568+05	1.3746-03	1.6410+00
31	539.65	1.2117+01	2.1468+00	7.6193-03	2.1468+00	7.6193-03	1.0712-02	1.7326-01	1.6227+05	1.9288-03	1.7720+00
32	526.04	3.1652+00	5.4798-01	1.9224-03	5.4798-01	1.9224-03	2.7028-03	4.3715-02	4.0942+04	4.8638-04	2.4660+00
33	524.39	2.0951+00	3.6342-01	1.2732-03	3.6342-01	1.2732-03	1.7900-03	2.8951-02	2.7115+04	3.2209-04	3.0090+00
34	523.33	1.5969+00	2.7272-01	9.5459-04	2.7272-01	9.5459-04	1.3421-03	2.1707-02	2.0330+04	2.4148-04	3.3930+00
35	523.26	1.4431+00	2.3609-01	8.2631-04	2.3609-01	8.2631-04	1.1617-03	1.8790-02	1.7598+04	2.0903-04	3.7770+00
36	521.20	1.9195+00	3.2640-01	1.1404-03	3.2640-01	1.1404-03	1.6034-03	2.5932-02	2.4288+04	2.8847-04	1.3070+00
37	526.59	3.5429+00	6.2086-01	2.1791-03	6.2086-01	2.1791-03	3.0638-03	4.9552-02	4.6409+04	5.5134-04	2.4660+00
38	524.83	2.3720+00	4.0547-01	1.4210-03	4.0547-01	1.4210-03	1.9979-03	3.2313-02	3.0264+04	3.5950-04	3.0090+00
39	523.64	2.0073+00	3.4082-01	1.1933-03	3.4082-01	1.1933-03	1.6777-03	2.7134-02	2.5413+04	3.0186-04	3.3930+00
40	523.71	1.6707+00	2.8110-01	9.8424-04	2.8110-01	9.8424-04	1.3838-03	2.2381-02	2.0961+04	2.4899-04	3.7770+00
41	523.53	1.2707+00	2.0921-01	7.3242-04	2.0921-01	7.3242-04	1.0297-03	1.6655-02	1.5598+04	1.8528-04	4.1620+00
43	522.64	5.5844-01	9.6764-02	3.3850-04	9.6764-02	3.3850-04	4.7591-04	7.6972-03	7.2090+03	8.5628-05	5.3230+00
47	517.89	5.6156-01	9.4432-02	3.2902-04	9.4432-02	3.2902-04	4.6258-04	7.4816-03	7.0071+03	8.3214-05	7.1100-01
48	519.85	1.1901+00	2.0403-01	7.1207-04	2.0403-01	7.1207-04	1.0011-03	1.6192-02	1.5165+04	1.8011-04	1.0880+00
49	522.78	2.1782+00	3.7634-01	1.3166-03	3.7634-01	1.3166-03	1.8511-03	2.9940-02	2.8041+04	3.3307-04	1.3070+00
50	535.72	9.0021+00	1.5771+00	5.5787-03	1.5771+00	5.5787-03	7.8434-03	1.2686-01	1.1881+05	1.4120-03	1.6410+00
51	543.12	1.2818+01	2.2759+00	8.1014-03	2.2759+00	8.1014-03	1.1390-02	1.8422-01	1.7254+05	2.0511-03	1.7720+00
52	521.29	7.3922-01	1.2950-01	4.5248-04	1.2950-01	4.5248-04	6.3617-04	1.0289-02	9.6365+03	1.1446-04	2.4660+00
53	522.76	1.6816+00	2.8708-01	1.0044-03	2.8708-01	1.0044-03	1.4121-03	2.2839-02	2.1390+04	2.5407-04	3.0090+00
54	522.24	1.2223+00	2.0611-01	7.2076-04	2.0611-01	7.2076-04	1.0134-03	1.6390-02	1.5350+04	1.8232-04	3.3930+00
55	521.89	9.6831-01	1.6026-01	5.6028-04	1.6026-01	5.6028-04	7.8772-04	1.2740-02	1.1932+04	1.4173-04	3.7770+00
56	515.27	4.3897-01	7.0336-02	2.4453-04	7.0336-02	2.4453-04	3.4379-04	5.5604-03	5.2077+03	6.1839-05	4.1100-01
57	517.69	6.4675-01	1.0808-01	3.7652-04	1.0808-01	3.7652-04	5.2937-04	8.5617-03	8.0187+03	9.5227-05	7.1100-01
58	520.36	1.1413+00	1.9572-01	6.8337-04	1.9572-01	6.8337-04	9.6078-04	1.5539-02	1.4554+04	1.7285-04	1.0880+00
59	523.93	2.0540+00	3.5409-01	1.2400-03	3.5409-01	1.2400-03	1.7434-03	2.8197-02	2.6408+04	3.1370-04	1.3070+00
60	539.14	9.9621+00	1.7387+00	6.1682-03	1.7387+00	6.1682-03	8.6721-03	1.4026-01	1.3136+05	1.5614-03	1.6410+00
61	521.79	7.1792-01	1.2212-01	4.2691-04	1.2212-01	4.2691-04	6.0021-04	9.7075-03	9.0918+03	1.0799-04	3.0090+00
62	521.63	6.1143-01	1.0306-01	3.6021-04	1.0306-01	3.6021-04	5.0644-04	8.1909-03	7.6714+03	9.1117-05	3.3930+00
63	521.98	4.2390-01	7.0163-02	2.4530-04	7.0163-02	2.4530-04	3.4488-04	5.5780-03	5.2242+03	6.2052-05	3.7770+00
64	522.06	1.2675+00	2.2215-01	7.7674-04	2.2215-01	7.7674-04	1.0921-03	1.7662-02	1.6542+04	1.9648-04	1.0880+00
65	525.53	2.0592+00	3.6168-01	1.2683-03	3.6168-01	1.2683-03	1.7832-03	2.8841-02	2.7011+04	3.2088-04	1.3070+00
66	539.51	1.0130+01	1.7947+00	6.3689-03	1.7947+00	6.3689-03	8.9543-03	1.4482-01	1.3564+05	1.6122-03	1.6410+00
69	517.23	4.1870-01	7.3161-02	2.5477-04	7.3161-02	2.5477-04	3.5819-04	5.7932-03	5.4258+03	6.4433-05	4.1100-01
70	520.58	7.0182-01	1.2289-01	4.2914-04	1.2289-01	4.2914-04	6.0335-04	9.7583-03	9.1394+03	1.0855-04	7.1100-01
71	526.42	1.9782+00	3.4663-01	1.2164-03	3.4663-01	1.2164-03	1.7102-03	2.7661-02	2.5906+04	3.0776-04	1.3070+00
72	539.44	9.5356+00	1.6892+00	5.9943-03	1.6892+00	5.9943-03	8.4276-03	1.3631-01	1.2766+05	1.5174-03	1.6410+00
73	524.89	1.6436+00	2.7760-01	9.7295-04	2.7760-01	9.7295-04	1.3679-03	2.2124-02	2.0721+04	2.4615-04	3.7770+00
74	523.72	6.4104-01	1.0984-01	3.8457-04	1.0984-01	3.8457-04	5.4069-04	8.7449-03	8.1902+03	9.7287-05	5.3230+00
77	524.22	1.2618+00	2.1950-01	7.6888-04	2.1950-01	7.6888-04	1.0810-03	1.7484-02	1.6375+04	1.9451-04	3.0090+00
78	523.60	1.0868+00	1.8675-01	6.5380-04	1.8675-01	6.5380-04	9.1921-04	1.4867-02	1.3924+04	1.6540-04	3.3930+00
79	522.97	7.0234-01	1.1848-01	4.1458-04	1.1848-01	4.1458-04	5.8288-04	9.4273-03	8.8294+03	1.0488-04	3.7770+00
80	526.11	2.8088+00	4.9496-01	1.7366-03	4.9496-01	1.7366-03	2.4415-03	3.9488-02	3.6983+04	4.3935-04	2.4660+00
81	524.94	1.8868+00	3.2836-01	1.1509-03	3.2836-01	1.1509-03	1.6181-03	2.6171-02	2.4511+04	2.9117-04	3.0090+00
82	524.18	1.4810+00	2.5535-01	8.9443-04	2.5535-01	8.9443-04	1.2575-03	2.0339-02	1.9049+04	2.2627-04	3.3930+00
83	523.72	1.2951+00	2.2123-01	7.7462-04	2.2123-01	7.7462-04	1.0891-03	1.7614-02	1.6497+04	1.9596-04	3.7770+00
337	529.93	4.1813+00	8.0747-01	2.8422-03	8.0747-01	2.8422-03	3.9959-03	6.4628-02	6.0529+04	7.1918-04	7.1680+00
339	530.57	5.2244+00	1.0308+00	3.6303-03	1.0308+00	3.6303-03	5.1040-03	8.2551-02	7.7315+04	9.1865-04	8.1130+00
340	524.11	1.8244+00	3.5105-01	1.2296-03	3.5105-01	1.2296-03	1.7287-03	2.7959-02	2.6186+04	3.1105-04	8.6180+00
342	525.60	1.3875+00	2.7579-01	9.6716-04	2.7579-01	9.6716-04	1.3598-03	2.1992-02	2.0598+04	2.4469-04	7.1680+00
344	530.90	5.4727+00	1.0857+00	3.8246-03	1.0857+00	3.8246-03	5.3772-03	8.6969-02	8.1453+04	9.6783-04	8.1130+00
347	531.56	4.5595+00	8.8139-01	3.1066-03	8.8139-01	3.1066-03	4.3677-03	7.0642-02	6.6162+04	7.8615-04	7.1680+00
349	530.58	4.5003+00	8.9028-01	3.1353-03	8.9028-01	3.1353-03	4.4081-03	7.1295-02	6.6773+04	7.9339-04	8.1130+00
350	524.60	2.0119+00	3.6557-01	1.2809-03	3.6557-01	1.2809-03	1.8009-03	2.9127-02	2.7280+04	3.2406-04	8.6180+00
352	530.24	1.5174+00	2.8605-01	1.0071-03	2.8605-01	1.0071-03	1.4160-03	2.2901-02	2.1449+04	2.5485-04	7.1680+00
354	533.41	5.9122+00	1.1686+00	4.1254-03	1.1686+00	4.1254-03	5.8001-03	9.3809-02	8.7859+04	1.0441-03	8.1130+00
357	534.16	4.2639+00	8.0355-01	2.8386-03	8.0355-01	2.8386-03	3.9909-03	6.4547-02	6.0453+04	7.1840-04	7.1680+00
359	532.03	4.0000+00	7.3840-01	2.6037-03	7.3840-01	2.6037-03	3.6606-03	5.9205-02	5.5450+04	6.5889-04	8.1130+00
401	517.24	6.8884-01	5.9477-02	2.0712-04	5.9477-02	2.0712-04	2.9120-04	4.7097-03	4.4110+03	5.2382-05	4.5500-01
403	517.89	7.8650-01	6.7134-02	2.3391-04	6.7134-02	2.3391-04	3.2886-04	5.3189-03	4.9815+03	5.9159-05	6.8600-01
404	518.56	9.4026-01	8.0773-02	2.8159-04	8.0773-02	2.8159-04	3.9590-04	6.4032-03	5.9971+03	7.1221-05	8.0100-01
405	520.32	1.6374+00	1.3998-01	4.8871-04	1.3998-01	4.8871-04	6.8710-04	1.1113-02	1.0408+04	1.2361-04	1.0510+00
406	522.21	2.0686+00	1.7811-01	6.2282-04	1.7811-01	6.2282-04	8.7565-04	1.4162-02	1.3264+04	1.5755-04	1.1670+00
407	523.45	2.4930+00	2.1865-01	7.6541-04	2.1865-01	7.6541-04	1.0761-03	1.7405-02	1.6301+04	1.9363-04	1.2830+00
408	519.20	1.0899+00	9.1990-02	3.2087-04	9.1990-02	3.2087-04	4.5112-04	7.2963-03	6.8335+03	8.1156-05	5.1300-01
409	517.53	1.2473+00	1.0708-01	3.7297-04	1.0708-01	3.7297-04	5.2437-04	8.4810-03	7.9431+03	9.4328-05	5.7000-01
410	518.08	1.3075+00	1.0828-01	3.7733-04	1.0828-01	3.7733-04	5.3050-04	8.5801-03	8.0359+03	9.5432-05	6.2800-01
411	518.97	1.4462+00	1.2427-01	4.3338-04	1.2427-01	4.3338-04	6.0931-04	9.8548-03	9.2297+03	1.0961-04	6.8600-01
412	518.03	1.0525+00	8.9844-02	3.1308-04	8.9844-02	3.1308-04	4.4017-04	7.1191-03	6.6676+03	7.9182-05	7.4400-01
413	520.22	1.4145+00	1.2237-01	4.2719-04	1.2237-01	4.2719-04	6.0060-04	9.7139-03	9.0978+03	1.0805-04	8.0100-01
414	519.07	1.4556+00	1.2434-01	4.3365-04	1.2434-01	4.3365-04	6.0968-04	9.8608-03	9.2354+03	1.0968-04	8.5900-01
415	520.44	1.4883+00	1.2800-01	4.4696-04	1.2800-01	4.4696-04	6.2840-04	1.0163-02	9.5188+03	1.1305-04	9.1700-01
416	519.33	1.3792+00	1.1007-01	3.8398-04	1.1007-01	3.8398-04	5.3986-04	8.7314-03	8.1776+03	9.7120-05	5.7000-01
417	520.67	1.9834+00	1.6959-01	5.9228-04	1.6959-01	5.9228-04	8.3271-04	1.3468-02	1.2614+04	1.4981-04	1.0520+00

[redacted]

[redacted]CONFIDENTIAL

GP	RUN	α_s	α_M	ϕ_s	ψ_M	DATE	CONFIG	TIME	MACH	P_o	T_o
5	1	11.98	-.02	.00	-.00	402	11	1.40	10.04	216.2	1647.1

T_∞	P_∞	γ_∞	V_∞	ρ_∞	μ_∞	Re/in $_\infty$	c_{p_∞}	k$_\infty$	Pr
8.05442+01	4.79120-03	3.38110-01	4.41541+03	4.99082-06	6.52408-08	2.83372-02	7.72000+00	6.70170-06	7.51539-02

TC	TEMP	dT/dt	q	h^*	Q	h^*	St	h/h_o	Nu	h	s/r
1	437.49	5.3205+00	6.8169-01	2.8927-03	6.8189-01	2.8927-03	4.0800-03	6.5751-02	6.1861+04	7.2909-04	4.1100-01
2	428.70	2.0017+01	3.2975+00	1.0742-02	3.2975+00	1.0742-02	1.5151-02	2.4416-01	2.2972+05	2.7065-03	7.1100-01
3	419.68	1.7313+01	2.8338+00	9.1668-03	2.8338+00	9.1668-03	1.2929-02	2.0836-01	1.9603+05	2.3088-03	1.3070+00
4	412.73	1.9293+01	3.1423+00	1.0110-02	3.1423+00	1.0110-02	1.4259-02	2.2960-01	2.1620+05	2.5457-03	1.6410+00
5	406.89	1.5350+01	2.6061+00	8.3472-03	2.6061+00	8.3472-03	1.1773-02	1.8973-01	1.7851+05	2.1014-03	1.7720+00
6	418.78	7.2119+00	1.1625+00	3.7577-03	1.1625+00	3.7577-03	5.3000-03	8.5413-02	8.0360+04	9.4642-04	2.4660+00
7	438.92	3.8473+00	6.2713-01	2.0594-03	6.2713-01	2.0594-03	2.9046-03	4.6810-02	4.4040+04	5.1909-04	3.0090+00
8	458.17	4.0925+00	6.6994-01	2.2339-03	6.6994-01	2.2339-03	3.1507-03	5.0775-02	4.7772+04	5.6349-04	3.3930+00
9	475.40	3.4712+00	5.7483-01	1.9436-03	5.7483-01	1.9436-03	2.7413-03	4.4177-02	4.1564+04	4.9061-04	3.7770+00
10	483.24	3.7184+00	6.2084-01	2.1126-03	6.2084-01	2.1126-03	2.9797-03	4.8019-02	4.5178+04	5.3344-04	5.3230+00
14	426.56	1.6161+01	2.6562+00	8.6448-03	2.6582+00	8.6448-03	1.2193-02	1.9649-01	1.8487+05	2.1779-03	1.6880+00
15	420.20	1.8658+01	3.0552+00	9.8868-03	3.0552+00	9.8868-03	1.3945-02	2.2473-01	2.1143+05	2.4902-03	1.3070+00
16	412.21	2.1036+01	3.4240+00	1.1012-02	3.4240+00	1.1012-02	1.5532-02	2.5030-01	2.3549+05	2.7727-03	1.6410+00
19	442.74	5.7839+00	8.7498-01	2.8819-03	8.7498-01	2.8819-03	4.0648-03	6.5506-02	6.1631+04	7.2652-04	4.1100-01
20	441.06	1.6744+01	2.6521+00	8.7236-03	2.6521+00	8.7236-03	1.2304-02	1.9829-01	1.8656+05	2.1990-03	7.1100-01
21	428.03	2.1141+01	3.3691+00	1.0969-02	3.3691+00	1.0969-02	1.5471-02	2.4933-01	2.3458+05	2.7637-03	1.0880+00
22	419.57	2.0833+01	3.3200+00	1.0738-02	3.3200+00	1.0738-02	1.5146-02	2.4408-01	2.2964+05	2.7047-03	1.3070+00
23	412.05	1.9807+01	3.0924+00	9.9443-03	3.0924+00	9.9443-03	1.4026-02	2.2603-01	2.1266+05	2.5039-03	1.6410+00
24	423.64	4.2795+00	6.8398-01	2.2193-03	6.8398-01	2.2193-03	3.1302-03	5.0445-02	4.7461+04	5.5907-04	3.0090+00
25	442.83	3.9522+00	6.2484-01	2.0582-03	6.2484-01	2.0582-03	2.9029-03	4.6782-02	4.4015+04	5.1886-04	3.3930+00
26	460.17	3.5335+00	5.6879-01	1.8996-03	5.6879-01	1.8996-03	2.6793-03	4.3178-02	4.0624+04	4.7922-04	3.7770+00
27	440.94	2.2332+01	3.5370+00	1.1633-02	3.5370+00	1.1633-02	1.6408-02	2.6442-01	2.4878+05	2.9325-03	7.1100-01
28	431.17	2.2544+01	3.6006+00	1.1752-02	3.6006+00	1.1752-02	1.6575-02	2.6712-01	2.5131+05	2.9612-03	1.0880+00
29	424.82	2.5257+01	4.0765+00	1.3239-02	4.0765+00	1.3239-02	1.8673-02	3.0093-01	2.8313+05	3.3352-03	1.3070+00
30	413.77	2.2392+01	3.5964+00	1.1580-02	3.5964+00	1.1580-02	1.6333-02	2.6322-01	2.4765+05	2.9160-03	1.6410+00
31	407.59	1.6157+01	2.6218+00	8.4021-03	2.6218+00	8.4021-03	1.1851-02	1.9098-01	1.7968+05	2.1152-03	1.7720+00
32	421.60	7.6265+00	1.2316+00	3.9905-03	1.2318+00	3.9905-03	5.6283-03	9.0702-02	8.5337+04	1.0051-03	2.4660+00
33	437.18	4.3008+00	7.0438-01	2.3099-03	7.0438-01	2.3099-03	3.2579-03	5.2503-02	4.9397+04	5.8218-04	3.0090+00
34	454.44	3.6836+00	6.0149-01	1.9996-03	6.0149-01	1.9996-03	2.8203-03	4.5451-02	4.2762+04	5.0433-04	3.3930+00
35	466.93	3.5268+00	5.5633-01	1.8682-03	5.5633-01	1.8682-03	2.6349-03	4.2463-02	3.9951+04	4.7141-04	3.7770+00
36	426.71	2.7015+01	4.3141+00	1.4032-02	4.3141+00	1.4032-02	1.9791-02	3.1894-01	3.0007+05	3.5351-03	1.3070+00
37	423.21	9.6255+00	1.5749+00	5.1084-03	1.5749+00	5.1084-03	7.2050-03	1.1611-01	1.0924+05	1.2868-03	2.4660+00
38	450.57	3.8665+00	6.2968-01	2.0869-03	6.2968-01	2.0869-03	2.9435-03	4.7435-02	4.4629+04	5.2627-04	3.0090+00
39	464.56	4.4369+00	7.2508-01	2.4302-03	7.2508-01	2.4302-03	3.4276-03	5.5238-02	5.1970+04	6.1317-04	3.3930+00
40	473.74	4.8462+00	7.8963-01	2.6662-03	7.8963-01	2.6662-03	3.7605-03	6.0603-02	5.7018+04	6.7297-04	3.7770+00
41	478.71	4.5766+00	7.3219-01	2.4823-03	7.3219-01	2.4823-03	3.5011-03	5.6422-02	5.3084+04	6.2667-04	4.1620+00
43	454.69	4.1548+00	6.8873-01	2.2901-03	6.8873-01	2.2901-03	3.2301-03	5.2054-02	4.8975+04	5.7760-04	5.3230+00
47	441.89	2.7935+01	4.4680+00	1.4706-02	4.4680+00	1.4706-02	2.0742-02	3.3427-01	3.1450+05	3.7073-03	7.1100-01
48	433.37	2.7904+01	4.5175+00	1.4770-02	4.5175+00	1.4770-02	2.0832-02	3.3571-01	3.1585+05	3.7220-03	1.0880+00
49	422.34	2.2542+01	3.6428+00	1.1808-02	3.6428+00	1.1808-02	1.6654-02	2.6839-01	2.5251+05	2.9763-03	1.3070+00
50	418.82	2.7050+01	4.3862+00	1.4179-02	4.3862+00	1.4179-02	1.9999-02	3.2229-01	3.0322+05	3.5711-03	1.6410+00
51	415.34	1.8963+01	3.0944+00	9.9759-03	3.0944+00	9.9759-03	1.4070-02	2.2675-01	2.1334+05	2.5122-03	1.7720+00
52	428.77	3.8675+00	6.3715-01	2.0757-03	6.3715-01	2.0757-03	2.9276-03	4.7180-02	4.4389+04	5.2298-04	2.4660+00
53	455.11	6.7777+00	1.1072+00	3.6829-03	1.1072+00	3.6829-03	5.1944-03	8.3711-02	7.8759+04	9.2889-04	3.0090+00
54	474.70	5.4810+00	8.9635-01	3.0290-03	8.9635-01	3.0290-03	4.2721-03	6.8848-02	6.4775+04	7.6456-04	3.3930+00
55	479.05	5.1392+00	8.2751-01	2.8062-03	8.2751-01	2.8062-03	3.9580-03	6.3785-02	6.0012+04	7.0846-04	3.7770+00
56	442.62	6.9366+00	1.0594+00	3.4890-03	1.0594+00	3.4890-03	4.9210-03	7.9305-02	7.4613+04	8.7956-04	4.1100-01
57	438.78	2.1680+01	3.4390+00	1.1292-02	3.4390+00	1.1292-02	1.5926-02	2.5666-01	2.4147+05	2.8461-03	7.1100-01
58	430.45	2.9574+01	4.7780+00	1.5586-02	4.7780+00	1.5586-02	2.1983-02	3.5427-01	3.3331+05	3.9273-03	1.0880+00
59	422.81	2.8766+01	4.6363+00	1.5034-02	4.6363+00	1.5034-02	2.1204-02	3.4172-01	3.2150+05	3.7870-03	1.3070+00
60	419.56	3.0019+01	4.8415+00	1.5659-02	4.8415+00	1.5659-02	2.2087-02	3.5594-01	3.3488+05	3.9441-03	1.6410+00
61	461.20	4.5013+00	7.3616-01	2.4607-03	7.3616-01	2.4607-03	3.4706-03	5.5930-02	5.2622+04	6.2077-04	3.0090+00
62	476.10	4.8358+00	7.9157-01	2.6779-03	7.9157-01	2.6779-03	3.7770-03	6.0869-02	5.7268+04	6.7599-04	3.3930+00
63	478.76	5.0842+00	8.1848-01	2.7750-03	8.1848-01	2.7750-03	3.9139-03	6.3074-02	5.9343+04	7.0056-04	3.7770+00
64	427.33	2.4542+01	4.0390+00	1.3143-02	4.0390+00	1.3143-02	1.8537-02	2.9874-01	2.8107+05	3.3113-03	1.0880+00
65	420.99	2.8326+01	4.6408+00	1.5027-02	4.6408+00	1.5027-02	2.1195-02	3.4157-01	3.2136+05	3.7851-03	1.3070+00
66	418.88	3.0546+01	4.9972+00	1.6155-02	4.9972+00	1.6155-02	2.2785-02	3.6719-01	3.4547+05	4.0687-03	1.6410+00
69	437.12	7.0021+00	1.1603+00	3.8049-03	1.1603+00	3.8049-03	5.3665-03	8.6484-02	8.1367+04	9.5897-04	4.1100-01
70	432.42	2.4730+01	4.0846+00	1.3344-02	4.0846+00	1.3344-02	1.8821-02	3.0332-01	2.8537+05	3.3627-03	7.1100-01
71	423.58	2.8748+01	4.7049+00	1.5265-02	4.7049+00	1.5265-02	2.1531-02	3.4698-01	3.2645+05	3.8455-03	1.3070+00
72	424.45	3.3904+01	5.5684+00	1.8079-02	5.5684+00	1.8079-02	2.5500-02	4.1094-01	3.8663+05	4.5545-03	1.6410+00
73	463.55	5.0784+00	8.2435-01	2.7606-03	8.2435-01	2.7606-03	3.8937-03	6.2749-02	5.9037+04	6.9652-04	3.7770+00
74	444.10	3.3912+00	5.5147-01	1.8183-03	5.5147-01	1.8183-03	2.5646-03	4.1330-02	3.8885+04	4.5842-04	5.3230+00
77	436.38	5.2483+00	8.6162-01	2.8237-03	8.6162-01	2.8237-03	3.9827-03	6.4183-02	6.0386+04	7.1167-04	3.0090+00
78	460.99	4.4249+00	7.3011-01	2.4400-03	7.3011-01	2.4400-03	3.4414-03	5.5461-02	5.2180+04	6.1556-04	3.3930+00
79	478.16	3.8317+00	6.2806-01	2.1283-03	6.2806-01	2.1283-03	3.0019-03	4.8377-02	4.5515+04	5.3730-04	3.7770+00
80	422.07	8.4842+00	1.3952+00	4.5214-03	1.3952+00	4.5214-03	6.3771-03	1.0277-01	9.6691+04	1.1389-03	2.4660+00
81	442.39	4.4005+00	7.2546-01	2.3888-03	7.2546-01	2.3888-03	3.3692-03	5.4297-02	5.1085+04	6.0220-04	3.0090+00
82	461.19	4.3257+00	7.1596-01	2.3931-03	7.1596-01	2.3931-03	3.3753-03	5.4395-02	5.1177+04	6.0374-04	3.3930+00
83	478.22	3.9678+00	6.5830-01	2.2309-03	6.5830-01	2.2309-03	3.1466-03	5.0708-02	4.7709+04	5.6320-04	3.7770+00
337	479.01	1.2406+01	2.3192+00	7.8645-03	2.3192+00	7.8645-03	1.1092-02	1.7876-01	1.6818+05	1.9855-03	7.1680+00
339	469.68	7.2187+00	1.3697+00	4.6097-03	1.3697+00	4.6097-03	6.5017-03	1.0478-01	9.8580+04	1.1633-03	8.1130+00
340	467.99	3.2597+00	6.0491-01	2.0330-03	6.0491-01	2.0330-03	2.8675-03	4.6211-02	4.3477+04	5.1304-04	8.6180+00
342	468.02	1.4602+01	2.7965+00	9.3988-03	2.7965+00	9.3988-03	1.3256-02	2.1363-01	2.0100+05	2.3718-03	7.1680+00
344	455.36	9.0369+00	1.7071+00	5.6794-03	1.7071+00	5.6794-03	8.0104-03	1.2909-01	1.2146+05	1.4325-03	8.1130+00
347	465.27	1.6321+01	3.0232+00	1.0138-02	3.0232+00	1.0138-02	1.4299-02	2.3044-01	2.1681+05	2.5581-03	7.1680+00
349	454.30	8.7771+00	1.6525+00	5.4932-03	1.6525+00	5.4932-03	7.7478-03	1.2486-01	1.1747+05	1.3854-03	8.1130+00
350	453.09	2.2083+00	3.8297-01	1.2718-03	3.8297-01	1.2718-03	1.7938-03	2.8908-02	2.7198+04	3.2075-04	8.6180+00
352	465.18	1.6121+01	2.9142+00	9.7721-03	2.9142+00	9.7721-03	1.3783-02	2.2212-01	2.0898+05	2.4657-03	7.1680+00
354	456.69	8.0099+00	1.5066+00	5.0177-03	1.5066+00	5.0177-03	7.0771-03	1.1405-01	1.0730+05	1.2656-03	8.1130+00
357	471.71	1.3343+01	2.4160+00	8.1444-03	2.4160+00	8.1444-03	1.1487-02	1.8512-01	1.7417+05	2.0555-03	7.1680+00
359	468.04	7.0551+00	1.2499+00	4.2009-03	1.2499+00	4.2009-03	5.9251-03	9.5486-02	8.9838+04	1.0601-03	8.1130+00
401	439.82	2.1023+01	1.7247+00	5.6676-03	1.7247+00	5.6676-03	7.9938-03	1.2882-01	1.2120+05	1.4286-03	4.5500-01
403	441.34	4.4755+01	3.6321+00	1.1950-02	3.6321+00	1.1950-02	1.6854-02	2.7162-01	2.5555+05	3.0123-03	6.8600-01
404	442.87	5.1818+01	4.2349+00	1.3950-02	4.2349+00	1.3950-02	1.9676-02	3.1708-01	2.9832+05	3.5168-03	8.0100-01
405	444.37	5.9391+01	4.8299+00	1.5929-02	4.8299+00	1.5929-02	2.2467-02	3.6206-01	3.4064+05	4.0159-03	1.0510+00
406	436.71	4.3269+01	3.5212+00	1.1543-02	3.5212+00	1.1543-02	1.6280-02	2.6236-01	2.4684+05	2.9092-03	1.1670+00
407	436.14	4.9599+01	4.1068+00	1.3456-02	4.1068+00	1.3456-02	1.8979-02	3.0586-01	2.8777+05	3.3914-03	1.2830+00
408	437.58	1.9897+01	1.5912+00	5.2198-03	1.5912+00	5.2198-03	7.3622-03	1.1865-01	1.1163+05	1.3156-03	5.1300-01
409	437.93	1.7905+01	1.4583+00	4.7851-03	1.4583+00	4.7851-03	6.7490-03	1.0876-01	1.0233+05	1.2061-03	5.7000-01
410	438.47	2.2300+01	1.7521+00	5.7515-03	1.7521+00	5.7515-03	8.1121-03	1.3073-01	1.2300+05	1.4497-03	6.2800-01
411	442.67	2.6455+01	2.1618+00	7.1199-03	2.1618+00	7.1199-03	1.0042-02	1.6183-01	1.5226+05	1.7949-03	6.8600-01
412	450.49	2.4873+01	2.0313+00	6.7320-03	2.0313+00	6.7320-03	9.4950-03	1.5302-01	1.4396+05	1.6976-03	7.4400-01
413	443.59	3.0747+01	2.5290+00	8.3355-03	2.5290+00	8.3355-03	1.1757-02	1.8946-01	1.7826+05	2.1014-03	8.0100-01
414	440.59	3.3575+01	2.7233+00	8.9545-03	2.7233+00	8.9545-03	1.2630-02	2.0354-01	1.9149+05	2.2572-03	8.5900-01
415	447.98	4.4221+01	3.6268+00	1.1995-02	3.6268+00	1.1995-02	1.6918-02	2.7265-01	2.5652+05	3.0246-03	9.1700-01
416	440.33	2.6946+01	2.0451+00	6.7232-03	2.0451+00	6.7232-03	9.4826-03	1.5282-01	1.4378+05	1.6947-03	5.7000-01
417	442.13	4.2962+01	3.4884+00	1.1484-02	3.4884+00	1.1484-02	1.6198-02	2.6104-01	2.4559+05	2.8951-03	1.0520+00

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5 1 11.97 -.03 .00 -.00 402 11 2.15 10.04 216.2 1647.3

8.05532+01 4.79113-03 3.38106-01 4.41566+03 4.99019-06 6.52481-08 2.83320-02 7.72000+00 6.70256-06 7.51527-02

1	439.16	8.7533+00	1.4526+00	4.7724-03	1.4526+00	4.7724-03	6.7316-03	1.0848-01	1.0204+05	1.2024-03	4.1100-01
2	435.88	3.6732+01	6.0817+00	1.9929-02	6.0817+00	1.9929-02	2.8111-02	4.5299-01	4.2614+05	5.0205-03	7.1100-01
3	425.55	2.9976+01	4.9271+00	1.6016-02	4.9271+00	1.6016-02	2.2591-02	3.6404-01	3.4266+05	4.0330-03	1.3070+00
4	418.92	3.0196+01	4.9399+00	1.5975-02	4.9399+00	1.5975-02	2.2533-02	3.6311-01	3.4158+05	4.0217-03	1.6410+00
5	411.41	1.9972+01	3.4019+00	1.0937-02	3.4019+00	1.0937-02	1.5428-02	2.4861-01	2.3387+05	2.7527-03	1.7720+00
6	421.08	1.0250+01	1.6549+00	5.3606-03	1.6549+00	5.3606-03	7.5614-03	1.2185-01	1.1462+05	1.3496-03	2.4660+00
7	440.11	4.6582+00	7.5995-01	2.4986-03	7.5995-01	2.4986-03	3.5244-03	5.6794-02	5.3427+04	6.2955-04	3.0090+00
8	459.45	4.9522+00	8.1138-01	2.7091-03	8.1138-01	2.7091-03	3.8213-03	6.1578-02	5.7928+04	6.8310-04	3.3930+00
9	476.48	4.0951+00	6.7864-01	2.2973-03	6.7864-01	2.2973-03	3.2405-03	5.2218-02	4.9123+04	5.7965-04	3.7770+00
10	484.38	3.8228+00	6.3874-01	2.1763-03	6.3874-01	2.1763-03	3.0697-03	4.9466-02	4.6534+04	5.4928-04	5.3230+00
14	431.88	2.7579+01	4.5534+00	1.4875-02	4.5534+00	1.4875-02	2.0981-02	3.3810-01	3.1806+05	3.7465-03	1.0880+00
15	426.20	3.1063+01	5.1082+00	1.6613-02	5.1082+00	1.6613-02	2.3433-02	3.7761-01	3.5522+05	4.1834-03	1.3070+00
16	418.70	3.2097+01	5.2562+00	1.6976-02	5.2562+00	1.6976-02	2.3945-02	3.8585-01	3.6298+05	4.2735-03	1.6410+00
19	444.66	8.6073+00	1.3038+00	4.3023-03	1.3038+00	4.3023-03	6.0686-03	9.7791-02	9.1994+04	1.0842-03	4.1100-01
20	446.51	2.9572+01	4.7015+00	1.5537-02	4.7015+00	1.5537-02	2.1915-02	3.5315-01	3.3221+05	3.9155-03	7.1100-01
21	434.94	3.6005+01	5.7656+00	1.8880-02	5.7656+00	1.8880-02	2.6631-02	4.2914-01	4.0370+05	4.7559-03	1.0880+00
22	426.26	3.4730+01	5.5611+00	1.8087-02	5.5611+00	1.8087-02	2.5512-02	4.1111-01	3.8674+05	4.5546-03	1.3070+00
23	418.12	3.0091+01	4.7185+00	1.5250-02	4.7185+00	1.5250-02	2.1510-02	3.4662-01	3.2607+05	3.8389-03	1.6410+00
24	424.96	5.5501+00	8.8790-01	2.8849-03	8.8790-01	2.8849-03	4.0692-03	6.5572-02	6.1685+04	7.2643-04	3.0090+00
25	444.07	5.1127+00	8.0901-01	2.6683-03	8.0901-01	2.6683-03	3.7637-03	6.0650-02	5.7055+04	6.7239-04	3.3930+00
26	461.30	4.4151+00	7.1123-01	2.3783-03	7.1123-01	2.3783-03	3.3546-03	5.4058-02	5.0853+04	5.9972-04	3.7770+00
27	448.26	3.9663+01	6.3136+00	2.0893-02	6.3136+00	2.0893-02	2.9470-02	4.7489-01	4.4674+05	5.2657-03	7.1100-01
28	437.99	3.5873+01	5.7568+00	1.8896-02	5.7568+00	1.8896-02	2.6654-02	4.2951-01	4.0405+05	4.7606-03	1.0880+00
29	433.24	3.7446+01	6.0799+00	1.9882-02	6.0799+00	1.9882-02	2.8045-02	4.5192-01	4.2513+05	5.0081-03	1.3070+00
30	420.29	3.1602+01	5.0994+00	1.6508-02	5.0994+00	1.6508-02	2.3285-02	3.7523-01	3.5299+05	4.1561-03	1.6410+00
31	412.19	2.0538+01	3.3437+00	1.0757-02	3.3437+00	1.0757-02	1.5173-02	2.4451-01	2.3001+05	2.7074-03	1.7720+00
32	423.87	1.0100+01	1.6340+00	5.3043-03	1.6340+00	5.3043-03	7.4819-03	1.2057-01	1.1342+05	1.3356-03	2.4660+00
33	438.48	5.2307+00	8.5745-01	2.8156-03	8.5745-01	2.8156-03	3.9715-03	6.3998-02	6.0205+04	7.0936-04	3.0090+00
34	455.57	4.4769+00	7.3158-01	2.4351-03	7.3158-01	2.4351-03	3.4348-03	5.5349-02	5.2068+04	6.1391-04	3.3930+00
35	468.02	4.1023+00	6.4760-01	2.1773-03	6.4760-01	2.1773-03	3.0711-03	4.9489-02	4.6555+04	5.4917-04	3.7770+00
36	435.78	3.9796+01	6.3957+00	2.0957-02	6.3957+00	2.0957-02	2.9560-02	4.7635-01	4.4811+05	5.2793-03	1.3070+00
37	426.11	1.2387+01	2.0309+00	6.6045-03	2.0309+00	6.6045-03	9.3158-03	1.5012-01	1.4122+05	1.6631-03	2.4660+00
38	451.48	3.2758+00	5.3382-01	1.7711-03	5.3382-01	1.7711-03	2.4981-03	4.0256-02	3.7870+04	4.4643-04	3.0090+00
39	465.94	5.3875+00	8.8125-01	2.9578-03	8.8125-01	2.9578-03	4.1721-03	6.7231-02	6.3246+04	7.4600-04	3.3930+00
40	475.13	5.1699+00	8.4314-01	2.8511-03	8.4314-01	2.8511-03	4.0215-03	6.4804-02	6.0963+04	7.1933-04	3.7770+00
41	480.00	4.6769+00	7.4886-01	2.5423-03	7.4886-01	2.5423-03	3.5860-03	5.7787-02	5.4361+04	6.4156-04	4.1620+00
43	455.80	3.7906+00	6.2883-01	2.0935-03	6.2883-01	2.0935-03	2.9529-03	4.7585-02	4.4764+04	5.2779-04	5.3230+00
47	451.37	4.3987+01	7.0814+00	2.3492-02	7.0814+00	2.3492-02	3.3136-02	5.3397-01	5.0231+05	5.9215-03	7.1100-01
48	442.47	4.1123+01	6.6999+00	2.2070-02	6.6999+00	2.2070-02	3.1130-02	5.0165-01	4.7191+05	5.5612-03	1.0880+00
49	428.76	3.2499+01	5.2757+00	1.7192-02	5.2757+00	1.7192-02	2.4250-02	3.9077-01	3.6761+05	4.3297-03	1.3070+00
50	426.79	3.4933+01	5.6966+00	1.8535-02	5.6966+00	1.8535-02	2.6144-02	4.2130-01	3.9632+05	4.6675-03	1.6410+00
51	420.42	2.1783+01	3.5674+00	1.1550-02	3.5674+00	1.1550-02	1.6292-02	2.6253-01	2.4697+05	2.9079-03	1.7720+00
52	429.78	3.5823+00	5.9058-01	1.9261-03	5.9058-01	1.9261-03	2.7168-03	4.3780-02	4.1184+04	4.8509-04	2.4660+00
53	457.19	8.3631+00	1.3681+00	4.5598-03	1.3681+00	4.5598-03	6.4318-03	1.0364-01	9.7500+04	1.1496-03	3.0090+00
54	476.32	6.1652+00	1.0093+00	3.4163-03	1.0093+00	3.4163-03	4.8188-03	7.7652-02	7.3049+04	8.6198-04	3.3930+00
55	480.50	5.1652+00	8.3248-01	2.8274-03	8.3248-01	2.8274-03	3.9881-03	6.4265-02	6.0456+04	7.1350-04	3.7770+00
56	444.93	1.0631+01	1.6262+00	5.3671-03	1.6262+00	5.3671-03	7.5705-03	1.2199-01	1.1476+05	1.3525-03	4.1100-01
57	446.12	3.4230+01	5.4574+00	1.8029-02	5.4574+00	1.8029-02	2.5430-02	4.0980-01	3.8550+05	4.5436-03	7.1100-01
58	439.77	4.2157+01	6.8555+00	2.2534-02	6.8555+00	2.2534-02	3.1785-02	5.1220-01	4.8184+05	5.6775-03	1.0880+00
59	431.59	3.9295+01	6.3726+00	2.0813-02	6.3726+00	2.0813-02	2.9357-02	4.7307-01	4.4503+05	5.2421-03	1.3070+00
60	428.12	3.7351+01	6.0606+00	1.9740-02	6.0606+00	1.9740-02	2.7843-02	4.4868-01	4.2208+05	4.9712-03	1.6410+00
61	462.44	4.3724+00	7.1568-01	2.3953-03	7.1568-01	2.3953-03	3.3787-03	5.4446-02	5.1218+04	6.0405-04	3.0090+00
62	477.42	4.6831+00	7.6724-01	2.5992-03	7.6724-01	2.5992-03	3.6663-03	5.9080-02	5.5578+04	6.5585-04	3.3930+00
63	480.11	4.7262+00	7.6153-01	2.5856-03	7.6153-01	2.5856-03	3.6471-03	5.8770-02	5.5286+04	6.5248-04	3.7770+00
64	434.56	3.2359+01	5.3527+00	1.7522-02	5.3527+00	1.7522-02	2.4716-02	3.9828-01	3.7467+05	4.4139-03	1.0880+00
65	429.24	3.6113+01	5.9514+00	1.9401-02	5.9514+00	1.9401-02	2.7366-02	4.4099-01	4.1485+05	4.8862-03	1.3070+00
66	427.44	3.6209+01	5.9596+00	1.9401-02	5.9596+00	1.9401-02	2.7365-02	4.4097-01	4.1483+05	4.8857-03	1.6410+00
69	439.29	1.0228+01	1.6975+00	5.5775-03	1.6975+00	5.5775-03	7.8672-03	1.2678-01	1.1926+05	1.4052-03	4.1100-01
70	440.25	3.4969+01	5.8073+00	1.9096-02	5.8073+00	1.9096-02	2.6936-02	4.3405-01	4.0832+05	4.8114-03	7.1100-01
71	432.01	3.6334+01	5.9819+00	1.9543-02	5.9819+00	1.9543-02	2.7566-02	4.4421-01	4.1788+05	4.9225-03	1.3070+00
72	433.88	3.7280+01	6.1637+00	2.0167-02	6.1637+00	2.0167-02	2.8446-02	4.5838-01	4.3121+05	5.0798-03	1.6410+00
73	465.02	4.9257+00	8.0034-01	2.6843-03	8.0034-01	2.6843-03	3.7862-03	6.1013-02	5.7396+04	6.7697-04	3.7770+00
74	444.96	3.0644+00	4.9863-01	1.6457-03	4.9863-01	1.6457-03	2.3214-03	3.7407-02	3.5190+04	4.1473-04	5.3230+00
77	437.98	6.3034+00	1.0360+00	3.4005-03	1.0360+00	3.4005-03	4.7965-03	7.7293-02	7.2712+04	8.5671-04	3.0090+00
78	462.36	5.1309+00	8.4737-01	2.8359-03	8.4737-01	2.8359-03	4.0001-03	6.4460-02	6.0639+04	7.1515-04	3.3930+00
79	479.32	4.3138+00	7.0762-01	2.4010-03	7.0762-01	2.4010-03	3.3867-03	5.4574-02	5.1339+04	6.0588-04	3.7770+00
80	424.77	1.1152+01	1.8374+00	5.9691-03	1.8374+00	5.9691-03	8.4195-03	1.3568-01	1.2763+05	1.5030-03	2.4660+00
81	443.69	5.0468+00	8.3275-01	2.7458-03	8.3275-01	2.7458-03	3.8730-03	6.2411-02	5.8712+04	6.9191-04	3.0090+00
82	462.50	4.9361+00	8.1771-01	2.7370-03	8.1771-01	2.7370-03	3.8606-03	6.2211-02	5.8523+04	6.9020-04	3.3930+00
83	479.40	4.2743+00	7.0970-01	2.4082-03	7.0970-01	2.4082-03	3.3968-03	5.4738-02	5.1493+04	6.0770-04	3.7770+00
337	482.54	1.2575+01	2.3562+00	8.0157-03	2.3562+00	8.0157-03	1.1306-02	1.8220-01	1.7140+05	2.0230-03	7.1680+00
339	471.57	6.5927+00	1.2525+00	4.2231-03	1.2525+00	4.2231-03	5.9568-03	9.5990-02	9.0300+04	1.0653-03	8.1130+00
340	468.77	2.4737+00	4.5929-01	1.5451-03	4.5929-01	1.5451-03	2.1794-03	3.5120-02	3.3038+04	3.8973-04	8.6180+00
342	472.08	1.4119+01	2.7114+00	9.1458-03	2.7114+00	9.1458-03	1.2900-02	2.0788-01	1.9556+05	2.3072-03	7.1680+00
344	457.68	8.0140+00	1.5163+00	5.0555-03	1.5163+00	5.0555-03	7.1309-03	1.1491-01	1.0810+05	1.2746-03	8.1130+00
347	469.17	1.3013+01	2.4168+00	8.1330-03	2.4168+00	8.1330-03	1.1472-02	1.8486-01	1.7390+05	2.0515-03	7.1680+00
349	456.50	7.4519+00	1.4051+00	4.6805-03	1.4051+00	4.6805-03	6.6020-03	1.0639-01	1.0008+05	1.1800-03	8.1130+00
350	453.67	2.0218+00	3.5077-01	1.1658-03	3.5077-01	1.1658-03	1.6444-03	2.6498-02	2.4927+04	2.9388-04	8.6180+00
352	469.12	1.3358+01	2.4213+00	8.1476-03	2.4213+00	8.1476-03	1.1492-02	1.8519-01	1.7421+05	2.0552-03	7.1680+00
354	458.77	7.1002+00	1.3374+00	4.4630-03	1.3374+00	4.4630-03	6.2951-03	1.0144-01	9.5429+04	1.1253-03	8.1130+00
357	474.98	1.1392+01	2.0673+00	6.9896-03	2.0673+00	6.9896-03	9.8591-03	1.5887-01	1.4946+05	1.7635-03	7.1680+00
359	469.87	6.2732+00	1.1127+00	3.7467-03	1.1127+00	3.7467-03	5.2848-03	8.5162-02	8.0113+04	9.4510-04	8.1130+00
401	447.20	3.1544+01	2.6011+00	8.6002-03	2.6011+00	8.6002-03	1.2131-02	1.9548-01	1.8389+05	2.1675-03	4.5500-01
403	457.46	6.9265+01	5.6837+00	1.8947-02	5.6837+00	1.8947-02	2.6725-02	4.3066-01	4.0514+05	4.7771-03	6.8600-01
404	461.51	7.8998+01	6.5390+00	2.1869-02	6.5390+00	2.1869-02	3.0847-02	4.9769-01	4.6762+05	5.5147-03	8.0100-01
405	465.66	8.7697+01	7.2361+00	2.4282-02	7.2361+00	2.4282-02	3.4250-02	5.5192-01	5.1920+05	6.1240-03	1.0510+00
406	451.99	7.1206+01	5.8561+00	1.9437-02	5.8561+00	1.9437-02	2.7416-02	4.4179-01	4.1560+05	4.8994-03	1.1670+00
407	453.53	8.0230+01	6.7231+00	2.2342-02	6.7231+00	2.2342-02	3.1514-02	5.0783-01	4.7772+05	5.6321-03	1.2830+00
408	444.43	3.2012+01	2.5723+00	8.4865-03	2.5723+00	8.4865-03	1.1970-02	1.9290-01	1.8146+05	2.1386-03	5.1300-01
409	443.16	2.5436+01	2.0792+00	6.8528-03	2.0792+00	6.8528-03	9.6662-03	1.5576-01	1.4653+05	1.7268-03	5.7000-01
410	446.04	3.2550+01	2.5708+00	8.4923-03	2.5708+00	8.4923-03	1.1979-02	1.9303-01	1.8159+05	2.1402-03	6.2800-01
411	451.38	3.7599+01	3.0909+00	1.0254-02	3.0909+00	1.0254-02	1.4463-02	2.3307-01	2.1925+05	2.5847-03	6.8600-01
412	459.57	4.0148+01	3.2992+00	1.1017-02	3.2992+00	1.1017-02	1.5539-02	2.5041-01	2.3556+05	2.7778-03	7.4400-01
413	453.72	4.6354+01	3.8394+00	1.2761-02	3.8394+00	1.2761-02	1.7999-02	2.9005-01	2.7286+05	3.2169-03	8.0100-01
414	452.23	5.2679+01	4.3073+00	1.4299-02	4.3073+00	1.4299-02	2.0169-02	3.2501-01	3.0574+05	3.6044-03	8.5900-01
415	462.87	6.5587+01	5.4340+00	1.8193-02	5.4340+00	1.8193-02	2.5662-02	4.1353-01	3.8902+05	4.5880-03	9.1700-01
416	449.56	3.8875+01	2.9638+00	9.8181-03	2.9638+00	9.8181-03	1.3849-02	2.2316-01	2.0993+05	2.4746-03	5.7000-01
417	457.11	6.5881+01	5.4047+00	1.8012-02	5.4047+00	1.8012-02	2.5407-02	4.0941-01	3.8514+05	4.5413-03	1.0520+00

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5 1 11.97 -.03 .00 -.00 402 11 2.40 10.04 216.2 1647.4

8.05622+01 4.79106-03 3.38101-01 4.41591+03 4.98955-06 6.52554-08 2.83269-02 7.72000+00 6.70341-06 7.51515-02

1	441.95	1.1996+01	1.9945+00	6.5663-03	1.9945+00	6.5663-03	9.2626-03	1.4925-01	1.4039+05	1.6546-03	4.1100-01
2	448.32	4.9005+01	8.1838+00	2.7079-02	8.1838+00	2.7079-02	3.8198-02	6.1550-01	5.7894+05	6.8249-03	7.1100-01
3	435.59	3.9627+01	6.5595+00	2.1487-02	6.5595+00	2.1487-02	3.0310-02	4.8840-01	4.5939+05	5.4129-03	1.3070+00
4	428.55	3.8116+01	6.2784+00	2.0453-02	6.2784+00	2.0453-02	2.8851-02	4.6489-01	4.3728+05	5.1510-03	1.6410+00
5	417.12	2.3151+01	3.9595+00	1.2785-02	3.9595+00	1.2785-02	1.8034-02	2.9059-01	2.7333+05	3.2183-03	1.7720+00
6	424.13	1.2214+01	1.9762+00	6.4156-03	1.9762+00	6.4156-03	9.0500-03	1.4563-01	1.3716+05	1.6155-03	2.4660+00
7	441.33	4.7309+00	7.7246-01	2.5418-03	7.7246-01	2.5418-03	3.5856-03	5.7775-02	5.4343+04	6.4047-04	3.0090+00
8	460.76	4.9642+00	8.1406-01	2.7205-03	8.1406-01	2.7205-03	3.8376-03	6.1837-02	5.8164+04	6.8601-04	3.3930+00
9	477.53	4.0732+00	6.7549-01	2.2883-03	6.7549-01	2.2883-03	3.2279-03	5.2012-02	4.8923+04	5.7740-04	3.7770+00
10	485.22	3.1465+00	5.2602-01	1.7932-03	5.2602-01	1.7932-03	2.5295-03	4.0758-02	3.8337+04	4.5261-04	5.3230+00
14	441.07	3.6408+01	6.0497+00	1.9903-02	6.0497+00	1.9903-02	2.8076-02	4.5239-01	4.2552+05	5.0149-03	1.0880+00
15	436.52	4.0589+01	6.7231+00	2.2039-02	6.7231+00	2.2039-02	3.1089-02	5.0094-01	4.7119+05	5.5522-03	1.3070+00
16	428.93	4.0669+01	6.7008+00	2.1835-02	6.7008+00	2.1835-02	3.0802-02	4.9632-01	4.6684+05	5.4992-03	1.6410+00
19	447.19	9.8146+00	1.4893+00	4.9234-03	1.4893+00	4.9234-03	6.9451-03	1.1191-01	1.0526+05	1.2408-03	4.1100-01
20	456.49	4.0489+01	6.4814+00	2.1586-02	6.4814+00	2.1586-02	3.0450-02	4.9065-01	4.6150+05	5.4423-03	7.1100-01
21	446.97	4.8084+01	7.7645+00	2.5664-02	7.7645+00	2.5664-02	3.6202-02	5.8333-01	5.4869+05	6.4680-03	1.0880+00
22	437.78	4.5729+01	7.3818+00	2.4222-02	7.3818+00	2.4222-02	3.4169-02	5.5057-01	5.1787+05	6.1025-03	1.3070+00
23	427.63	3.8506+01	6.0791+00	1.9789-02	6.0791+00	1.9789-02	2.7916-02	4.4981-01	4.2309+05	4.9837-03	1.6410+00
24	426.53	6.2551+00	1.0018+00	3.2583-03	1.0018+00	3.2583-03	4.5963-03	7.4061-02	6.9662+04	8.2053-04	3.0090+00
25	445.49	5.4384+00	8.6139-01	2.8438-03	8.6139-01	2.8438-03	4.0115-03	6.4639-02	6.0800+04	7.1667-04	3.3930+00
26	462.46	4.4795+00	7.2217-01	2.4167-03	7.2217-01	2.4167-03	3.4091-03	5.4932-02	5.1669+04	6.0945-04	3.7770+00
27	461.70	5.4324+01	8.7267+00	2.9186-02	8.7267+00	2.9186-02	4.1170-02	6.6339-01	6.2398+05	7.3598-03	7.1100-01
28	449.98	4.7915+01	7.7533+00	2.5688-02	7.7533+00	2.5688-02	3.6236-02	5.8389-01	5.4921+05	6.4749-03	1.0880+00
29	444.56	4.3440+01	7.1086+00	2.3451-02	7.1086+00	2.3451-02	3.3081-02	5.3304-01	5.0138+05	5.9098-03	1.3070+00
30	430.17	3.9449+01	6.4103+00	2.0909-02	6.4103+00	2.0909-02	2.9495-02	4.7526-01	4.4703+05	5.2662-03	1.6410+00
31	418.05	2.3940+01	3.9140+00	1.2647-02	3.9140+00	1.2647-02	1.7840-02	2.8746-01	2.7039+05	3.1838-03	1.7720+00
32	426.78	1.2014+01	1.9475+00	6.3355-03	1.9475+00	6.3355-03	8.9370-03	1.4400-01	1.3545+05	1.5955-03	2.4660+00
33	439.88	5.5678+00	9.1360-01	3.0028-03	9.1360-01	3.0028-03	4.2359-03	6.8254-02	6.4200+04	7.5658-04	3.0090+00
34	456.77	4.7299+00	7.7355-01	2.5769-03	7.7355-01	2.5769-03	3.6350-03	5.8572-02	5.5093+04	6.4969-04	3.3930+00
35	469.02	4.0286+00	6.3639-01	2.1410-03	6.3639-01	2.1410-03	3.0201-03	4.8664-02	4.5773+04	5.4005-04	3.7770+00
36	447.76	4.5677+01	7.4021+00	2.4482-02	7.4021+00	2.4482-02	3.4534-02	5.5646-01	5.2341+05	6.1702-03	1.3070+00
37	429.52	1.3816+01	2.2706+00	7.4024-03	2.2706+00	7.4024-03	1.0442-02	1.6826-01	1.5826+05	1.8643-03	2.4660+00
38	452.09	2.7652+00	4.5080-01	1.4961-03	4.5080-01	1.4961-03	2.1104-03	3.4006-02	3.1986+04	3.7713-04	3.0090+00
39	467.33	5.5132+00	9.0265-01	3.0326-03	9.0265-01	3.0326-03	4.2778-03	6.8930-02	6.4836+04	7.6490-04	3.3930+00
40	476.29	4.8062+00	7.8444-01	2.6546-03	7.8444-01	2.6546-03	3.7447-03	6.0340-02	5.6756+04	6.6982-04	3.7770+00
41	480.98	4.1210+00	6.6029-01	2.2431-03	6.6029-01	2.2431-03	3.1642-03	5.0985-02	4.7957+04	5.6608-04	4.1620+00
43	456.48	2.9704+00	4.9299-01	1.6419-03	4.9299-01	1.6419-03	2.3161-03	3.7320-02	3.5103+04	4.1395-04	5.3230+00
47	465.07	5.3268+01	8.6554+00	2.9026-02	8.6554+00	2.9026-02	4.0945-02	6.5976-01	6.2057+05	7.3205-03	7.1100-01
48	454.99	4.8164+01	7.9148+00	2.6328-02	7.9148+00	2.6328-02	3.7139-02	5.9844-01	5.6289+05	6.6375-03	1.0880+00
49	439.23	4.1656+01	6.8118+00	2.2378-02	6.8118+00	2.2378-02	3.1567-02	5.0864-01	4.7843+05	5.6381-03	1.3070+00
50	436.88	3.8971+01	6.4002+00	2.0986-02	6.4002+00	2.0986-02	2.9604-02	4.7702-01	4.4868+05	5.2871-03	1.6410+00
51	426.38	2.3883+01	3.9280+00	1.2774-02	3.9280+00	1.2774-02	1.8020-02	2.9036-01	2.7311+05	3.2169-03	1.7720+00
52	430.49	2.9813+00	4.9175-01	1.6044-03	4.9175-01	1.6044-03	2.2632-03	3.6468-02	3.4301+04	4.0409-04	2.4660+00
53	459.35	8.7377+00	1.4315+00	4.7785-03	1.4315+00	4.7785-03	6.7407-03	1.0861-01	1.0216+05	1.2049-03	3.0090+00
54	477.75	5.9600+00	9.7665-01	3.3090-03	9.7665-01	3.3090-03	4.6678-03	7.5214-02	7.0746+04	8.3498-04	3.3930+00
55	481.54	4.4873+00	7.2372-01	2.4597-03	7.2372-01	2.4597-03	3.4697-03	5.5908-02	5.2587+04	6.2075-04	3.7770+00
56	448.20	1.2726+01	1.9511+00	6.4553-03	1.9511+00	6.4553-03	9.1061-03	1.4673-01	1.3801+05	1.6270-03	4.1100-01
57	456.83	4.1962+01	6.7393+00	2.2451-02	6.7393+00	2.2451-02	3.1670-02	5.1031-01	4.8000+05	5.6605-03	7.1100-01
58	452.50	4.9369+01	8.0990+00	2.6888-02	8.0990+00	2.6888-02	3.7929-02	6.1115-01	5.7485+05	6.7779-03	1.0880+00
59	443.29	4.5010+01	7.3592+00	2.4253-02	7.3592+00	2.4253-02	3.4213-02	5.5128-01	5.1853+05	6.1116-03	1.3070+00
60	438.80	4.1100+01	6.7190+00	2.2065-02	6.7190+00	2.2065-02	3.1126-02	5.0154-01	4.7175+05	5.5592-03	1.6410+00
61	463.31	3.6774+00	6.0227-01	2.0169-03	6.0227-01	2.0169-03	2.8450-03	4.5843-02	4.3120+04	5.0863-04	3.0090+00
62	478.36	4.0805+00	6.6894-01	2.2676-03	6.6894-01	2.2676-03	3.1987-03	5.1542-02	4.8480+04	5.7220-04	3.3930+00
63	481.03	3.9870+00	6.4282-01	2.1838-03	6.4282-01	2.1838-03	3.0805-03	4.9637-02	4.6689+04	5.5112-04	3.7770+00
64	444.13	3.6696+01	6.1106+00	2.0152-02	6.1106+00	2.0152-02	2.8427-02	4.5805-01	4.3084+05	5.0782-03	1.0880+00
65	439.76	3.9924+01	6.6280+00	2.1783-02	6.6280+00	2.1783-02	3.0728-02	4.9512-01	4.6571+05	5.4883-03	1.3070+00
66	437.48	3.8641+01	6.4047+00	2.1011-02	6.4047+00	2.1011-02	2.9639-02	4.7758-01	4.4922+05	5.2934-03	1.6410+00
69	442.37	1.2499+01	2.0788+00	6.8461-03	2.0788+00	6.8461-03	9.6573-03	1.5561-01	1.4637+05	1.7251-03	4.1100-01
70	450.81	4.0807+01	6.8263+00	2.2632-02	6.8263+00	2.2632-02	3.1925-02	5.1442-01	4.8386+05	5.7047-03	7.1100-01
71	442.43	3.9875+01	6.6127+00	2.1779-02	6.6127+00	2.1779-02	3.0721-02	4.9502-01	4.6562+05	5.4878-03	1.3070+00
72	443.31	3.7168+01	6.1856+00	2.0386-02	6.1856+00	2.0386-02	2.8757-02	4.6337-01	4.3585+05	5.1371-03	1.6410+00
73	465.99	4.0655+00	6.6100-01	2.2183-03	6.6100-01	2.2183-03	3.1292-03	5.0422-02	4.7427+04	5.5949-04	3.7770+00
74	445.56	2.5730+00	4.1884-01	1.3828-03	4.1884-01	1.3828-03	1.9507-03	3.1432-02	2.9565+04	3.4849-04	5.3230+00
77	439.61	5.8130+00	9.5647-01	3.1430-03	9.5647-01	3.1430-03	4.4337-03	7.1441-02	6.7198+04	7.9190-04	3.0090+00
78	463.60	4.9507+00	8.1829-01	2.7409-03	8.1829-01	2.7409-03	3.8664-03	6.2300-02	5.8600+04	6.9123-04	3.3930+00
79	480.30	3.9314+00	6.4532-01	2.1910-03	6.4532-01	2.1910-03	3.0907-03	4.9801-02	4.6843+04	5.5292-04	3.7770+00
80	427.81	1.1991+01	1.9799+00	6.4461-03	1.9799+00	6.4461-03	9.0931-03	1.4652-01	1.3782+05	1.6234-03	2.4660+00
81	444.92	4.9304+00	8.1424-01	2.6869-03	8.1424-01	2.6869-03	3.7903-03	6.1073-02	5.7446+04	6.7712-04	3.0090+00
82	463.67	4.7631+00	7.8968-01	2.6452-03	7.8968-01	2.6452-03	3.7314-03	6.0125-02	5.6554+04	6.6710-04	3.3930+00
83	480.34	3.8920+00	6.4662-01	2.1955-03	6.4662-01	2.1955-03	3.0970-03	4.9903-02	4.6939+04	5.5405-04	3.7770+00
337	485.16	1.0822+01	2.0312+00	6.9237-03	2.0312+00	6.9237-03	9.7668-03	1.5738-01	1.4803+05	1.7476-03	7.1680+00
339	472.89	5.4343+00	1.0333+00	3.4873-03	1.0333+00	3.4873-03	4.9192-03	7.9265-02	7.4557+04	8.7978-04	8.1130+00
340	469.10	1.6203+00	3.0090-01	1.0124-03	3.0090-01	1.0124-03	1.4281-03	2.3011-02	2.1644+04	2.5536-04	8.6180+00
342	474.87	1.1751+01	2.2608+00	7.6420-03	2.2608+00	7.6420-03	1.0780-02	1.7370-01	1.6338+05	1.9281-03	7.1680+00
344	459.19	6.4390+00	1.2195+00	4.0703-03	1.2195+00	4.0703-03	5.7417-03	9.2517-02	8.7022+04	1.0263-03	8.1130+00
347	471.35	9.7574+00	1.8148+00	6.1168-03	1.8148+00	6.1168-03	8.6285-03	1.3903-01	1.3078+05	1.5431-03	7.1680+00
349	457.86	5.7688+00	1.0888+00	3.6301-03	1.0888+00	3.6301-03	5.1207-03	8.2511-02	7.7610+04	9.1526-04	8.1130+00
350	454.07	1.6727+00	2.9028-01	9.6492-04	2.9028-01	9.6492-04	1.3611-03	2.1932-02	2.0630+04	2.4325-04	8.6180+00
352	471.58	1.0723+01	1.9968+00	6.5630-03	1.9968+00	6.5630-03	9.2580-03	1.4918-01	1.4032+05	1.6557-03	7.1680+00
354	460.16	5.7854+00	1.0908+00	3.6434-03	1.0908+00	3.6434-03	5.1395-03	8.2815-02	7.7896+04	9.1872-04	8.1130+00
357	477.21	9.5226+00	1.7306+00	5.8609-03	1.7306+00	5.8609-03	8.2675-03	1.3322-01	1.2530+05	1.4789-03	7.1680+00
359	471.12	5.1979+00	9.2278-01	3.1097-03	9.2278-01	3.1097-03	4.3867-03	7.0683-02	6.6485+04	7.8448-04	8.1130+00
401	456.58	3.4873+01	2.8941+00	9.6393-03	2.8941+00	9.6393-03	1.3597-02	2.1910-01	2.0609+05	2.4303-03	4.5500-01
403	478.46	7.7225+01	6.4265+00	2.1787-02	6.4265+00	2.1787-02	3.0733-02	4.9521-01	4.6579+05	5.4977-03	6.8600-01
404	485.17	8.7078+01	7.3221+00	2.4959-02	7.3221+00	2.4959-02	3.5209-02	5.6732-01	5.3363+05	6.3000-03	8.0100-01
405	491.34	9.4394+01	7.9218+00	2.7141-02	7.9218+00	2.7141-02	3.8286-02	6.1691-01	5.8026+05	6.8523-03	1.0510+00
406	474.89	8.7776+01	7.3310+00	2.4781-02	7.3310+00	2.4781-02	3.4956-02	5.6326-01	5.2981+05	6.2523-03	1.1670+00
407	479.24	9.7284+01	8.2940+00	2.8135-02	8.2940+00	2.8135-02	3.9689-02	6.3951-01	6.0153+05	7.0999-03	1.2830+00
408	456.44	4.0531+01	3.2793+00	1.0904-02	3.2793+00	1.0904-02	1.5381-02	2.4784-01	2.3312+05	2.7488-03	5.1300-01
409	450.96	3.2197+01	2.6461+00	8.7739-03	2.6461+00	8.7739-03	1.2377-02	1.9943-01	1.8758+05	2.2116-03	5.7000-01
410	455.54	3.7016+01	2.9426+00	9.7929-03	2.9426+00	9.7929-03	1.3814-02	2.2259-01	2.0937+05	2.4689-03	6.2800-01
411	462.23	4.2747+01	3.5401+00	1.1845-02	3.5401+00	1.1845-02	1.6708-02	2.6922-01	2.5323+05	2.9869-03	6.8600-01
412	472.33	4.5689+01	3.7868+00	1.2774-02	3.7868+00	1.2774-02	1.8019-02	2.9035-01	2.7310+05	3.2226-03	7.4400-01
413	467.55	5.6072+01	4.6880+00	1.5753-02	4.6880+00	1.5753-02	2.2221-02	3.5805-01	3.3679+05	3.9733-03	8.0100-01
414	468.19	6.2849+01	5.1946+00	1.7464-02	5.1946+00	1.7464-02	2.4635-02	3.9695-01	3.7337+05	4.4051-03	8.5900-01
415	482.45	7.5557+01	6.3420+00	2.1570-02	6.3420+00	2.1570-02	3.0428-02	4.9029-01	4.6117+05	5.4439-03	9.1700-01
416	460.72	4.3379+01	3.3324+00	1.1136-02	3.3324+00	1.1136-02	1.5709-02	2.5313-01	2.3809+05	2.8081-03	5.7000-01
417	476.85	7.6313+01	6.3438+00	2.1478-02	6.3438+00	2.1478-02	3.0298-02	4.8819-01	4.5920+05	5.4194-03	1.0520+00

CONFIDENTIAL

5 1 11.97 -.03 .00 -.00 402 11 2.65 10.04 216.2 1647.1

8.05442+01 4.79120-03 3.38110-01 4.41541+03 4.99082-06 6.52408-08 2.83372-02 7.72000+00 6.70170-06 7.51539-02

1	445.38	1.3417+01	2.2360+00	7.3838-03	2.2360+00	7.3838-03	1.0414-02	1.6783-01	1.5790+05	1.8607-03	4.1100-01
2	461.66	4.9799+01	8.3922+00	2.8075-02	8.3922+00	2.8075-02	3.9598-02	6.3814-01	6.0039+05	7.0795-03	7.1100-01
3	446.36	4.0526+01	6.7587+00	2.2336-02	6.7587+00	2.2336-02	3.1503-02	5.0769-01	4.7766+05	5.6289-03	1.3070+00
4	438.82	3.8603+01	6.4044+00	2.1039-02	6.4044+00	2.1039-02	2.9674-02	4.7821-01	4.4992+05	5.3005-03	1.6410+00
5	423.26	2.3559+01	4.0470+00	1.3134-02	4.0470+00	1.3134-02	1.8524-02	2.9852-01	2.8086+05	3.3069-03	1.7720+00
6	427.32	1.2554+01	2.0358+00	6.6278-03	2.0358+00	6.6278-03	9.3480-03	1.5065-01	1.4174+05	1.6690-03	2.4660+00
7	442.48	4.6379+00	7.5788-01	2.4969-03	7.5788-01	2.4969-03	3.5217-03	5.6754-02	5.3397+04	6.2916-04	3.0090+00
8	461.94	4.7377+00	7.7754-01	2.6017-03	7.7754-01	2.6017-03	3.6696-03	5.9137-02	5.5639+04	6.5607-04	3.3930+00
9	478.51	3.8862+00	6.4490-01	2.1871-03	6.4490-01	2.1871-03	3.0847-03	4.9712-02	4.6771+04	5.5187-04	3.7770+00
10	485.87	2.8223+00	4.7203-01	1.6105-03	4.7203-01	1.6105-03	2.2715-03	3.6607-02	3.4441+04	4.0650-04	5.3230+00
14	451.00	3.7712+01	6.3094+00	2.0928-02	6.3094+00	2.0928-02	2.9517-02	4.7569-01	4.4755+05	5.2750-03	1.0880+00
15	447.53	4.1721+01	6.9636+00	2.3034-02	6.9636+00	2.3034-02	3.2488-02	5.2356-01	4.9259+05	5.8051-03	1.3070+00
16	439.94	4.1416+01	6.8765+00	2.2610-02	6.8765+00	2.2610-02	3.1889-02	5.1392-01	4.8351+05	5.6965-03	1.6410+00
19	449.72	9.9881+00	1.5183+00	5.0309-03	1.5183+00	5.0309-03	7.0957-03	1.1435-01	1.0759+05	1.2680-03	4.1100-01
20	467.78	4.3169+01	6.9632+00	2.3410-02	6.9632+00	2.3410-02	3.3018-02	5.3210-01	5.0062+05	5.9045-03	7.1100-01
21	460.12	5.6354+01	8.2043+00	2.7412-02	8.2043+00	2.7412-02	3.8663-02	6.2308-01	5.8622+05	6.9120-03	1.0880+00
22	450.26	4.7345+01	7.7088+00	2.5555-02	7.7088+00	2.5555-02	3.6043-02	5.8086-01	5.4649+05	6.4411-03	1.3070+00
23	438.17	4.0024+01	6.3656+00	2.0901-02	6.3656+00	2.0901-02	2.9479-02	4.7507-01	4.4697+05	5.2655-03	1.6410+00
24	428.13	6.3231+00	1.0138+00	3.3026-03	1.0138+00	3.3026-03	4.6581-03	7.5069-02	7.0628+04	8.3172-04	3.0090+00
25	446.83	5.4629+00	8.6606-01	2.8632-03	8.6606-01	2.8632-03	4.0383-03	6.5079-02	6.1229+04	7.2156-04	3.3930+00
26	463.55	4.4701+00	7.2120-01	2.4163-03	7.2120-01	2.4163-03	3.4081-03	5.4923-02	5.1674+04	6.0936-04	3.7770+00
27	476.81	5.7281+01	9.2952+00	3.1480-02	9.2952+00	3.1480-02	4.4400-02	7.1553-01	6.7320+05	7.9428-03	7.1100-01
28	463.06	4.9726+01	8.1183+00	2.7189-02	8.1183+00	2.7189-02	3.8349-02	6.1801-01	5.8145+05	6.8566-03	1.0880+00
29	455.76	4.2876+01	7.0704+00	2.3542-02	7.0704+00	2.3542-02	3.3204-02	5.3510-01	5.0344+05	5.9349-03	1.3070+00
30	440.75	4.0081+01	6.5613+00	2.1587-02	6.5613+00	2.1587-02	3.0447-02	4.9067-01	4.6165+05	5.4390-03	1.6410+00
31	424.45	2.4861+01	4.0832+00	1.3263-02	4.0832+00	1.3263-02	1.8707-02	3.0147-01	2.8364+05	3.3396-03	1.7720+00
32	429.97	1.2736+01	2.0692+00	6.7503-03	2.0692+00	6.7503-03	9.5209-03	1.5343-01	1.4436+05	1.7001-03	2.4660+00
33	441.28	5.6140+00	9.2208-01	3.0350-03	9.2208-01	3.0350-03	4.2807-03	6.8985-02	6.4904+04	7.6471-04	3.0090+00
34	457.93	4.6660+00	7.6370-01	2.5472-03	7.6370-01	2.5472-03	3.5927-03	5.7898-02	5.4473+04	6.4223-04	3.3930+00
35	470.02	3.9642+00	6.2663-01	2.1105-03	6.2663-01	2.1105-03	2.9767-03	4.7971-02	4.5134+04	5.3237-04	3.7770+00
36	459.40	4.4524+01	7.2728+00	2.4286-02	7.2728+00	2.4286-02	3.4254-02	5.5202-01	5.1936+05	6.1235-03	1.3070+00
37	433.19	1.4378+01	2.3690+00	7.7481-03	2.3690+00	7.7481-03	1.0928-02	1.7611-01	1.6570+05	1.9516-03	2.4660+00
38	452.78	2.9392+00	4.7939-01	1.5924-03	4.7939-01	1.5924-03	2.2460-03	3.6195-02	3.4054+04	4.0140-04	3.0090+00
39	468.68	5.7195+00	9.3727-01	3.1533-03	9.3727-01	3.1533-03	4.4476-03	7.1675-02	6.7435+04	7.9538-04	3.3930+00
40	477.52	4.8732+00	7.9602-01	2.6974-03	7.9602-01	2.6974-03	3.8045-03	6.1312-02	5.7685+04	6.8062-04	3.7770+00
41	482.04	4.0758+00	6.5350-01	2.2227-03	6.5350-01	2.2227-03	3.1349-03	5.0521-02	4.7532+04	5.6093-04	4.1620+00
43	457.24	2.9184+00	4.8462-01	1.6155-03	4.8462-01	1.6155-03	2.2785-03	3.6720-02	3.4547+04	4.0729-04	5.3230+00
47	479.10	5.3667+01	8.8022+00	2.9866-02	8.8022+00	2.9866-02	4.2123-02	6.7884-01	6.3868+05	7.5362-03	7.1100-01
48	467.42	4.7727+01	7.9090+00	2.6582-02	7.9090+00	2.6582-02	3.7492-02	6.0420-01	5.6846+05	6.7045-03	1.0880+00
49	450.50	4.2821+01	7.0571+00	2.3399-02	7.0571+00	2.3399-02	3.3003-02	5.3185-01	5.0039+05	5.8978-03	1.3070+00
50	446.94	3.8185+01	6.3150+00	2.0879-02	6.3150+00	2.0879-02	2.9448-02	4.7458-01	4.4650+05	5.2619-03	1.6410+00
51	432.62	2.4037+01	3.9707+00	1.2980-02	3.9707+00	1.2980-02	1.8308-02	2.9504-01	2.7759+05	3.2695-03	1.7720+00
52	431.23	2.9849+00	4.9260-01	1.6086-03	4.9260-01	1.6086-03	2.2688-03	3.6563-02	3.4400+04	4.0515-04	2.4660+00
53	461.64	8.9642+00	1.4709+00	4.9206-03	1.4709+00	4.9206-03	6.9402-03	1.1184-01	1.0523+05	1.2408-03	3.0090+00
54	479.32	6.0442+00	9.9147-01	3.3646-03	9.9147-01	3.3646-03	4.7456-03	7.6477-02	7.1953+04	8.4903-04	3.3930+00
55	482.71	4.5397+00	7.3274-01	2.4935-03	7.3274-01	2.4935-03	3.5170-03	5.6678-02	5.3325+04	6.2931-04	3.7770+00
56	451.60	1.2764+01	1.9614+00	6.5090-03	1.9614+00	6.5090-03	9.1805-03	1.4795-01	1.3920+05	1.6407-03	4.1100-01
57	467.86	4.2477+01	6.8729+00	2.3108-02	6.8729+00	2.3108-02	3.2592-02	5.2524-01	4.9417+05	5.8284-03	7.1100-01
58	465.28	4.8987+01	8.1062+00	2.7197-02	8.1062+00	2.7197-02	3.8360-02	6.1819-01	5.8162+05	6.8592-03	1.0880+00
59	454.88	4.4335+01	7.3067+00	2.4311-02	7.3067+00	2.4311-02	3.4289-02	5.5259-01	5.1990+05	6.1288-03	1.3070+00
60	449.35	4.0133+01	6.6088+00	2.1892-02	6.6088+00	2.1892-02	3.0878-02	4.9761-01	4.6817+05	5.5178-03	1.6410+00
61	464.25	3.6468+00	5.9763-01	2.0035-03	5.9763-01	2.0035-03	2.8258-03	4.5539-02	4.2845+04	5.0526-04	3.0090+00
62	479.43	4.1408+00	6.7929-01	2.3055-03	6.7929-01	2.3055-03	3.2517-03	5.2403-02	4.9303+04	5.8176-04	3.3930+00
63	482.05	3.9164+00	6.3185-01	2.1490-03	6.3185-01	2.1490-03	3.0311-03	4.8847-02	4.5958+04	5.4235-04	3.7770+00
64	453.47	3.6098+01	6.0496+00	2.0106-02	6.0496+00	2.0106-02	2.8358-02	4.5700-01	4.2996+05	5.0683-03	1.0880+00
65	449.84	3.8662+01	6.4633+00	2.1419-02	6.4633+00	2.1419-02	3.0210-02	4.8684-01	4.5804+05	5.3985-03	1.3070+00
66	447.28	3.7483+01	6.2552+00	2.0687-02	6.2552+00	2.0687-02	2.9177-02	4.7021-01	4.4239+05	5.2135-03	1.6410+00
69	445.78	1.3230+01	2.2056+00	7.2854-03	2.2056+00	7.2854-03	1.0276-02	1.6560-01	1.5580+05	1.8360-03	4.1100-01
70	461.26	4.0693+01	6.8558+00	2.2928-02	6.8558+00	2.2928-02	3.2338-02	5.2115-01	4.9032+05	5.7815-03	7.1100-01
71	452.52	3.8952+01	6.5045+00	2.1601-02	6.5045+00	2.1601-02	3.0467-02	4.9100-01	4.6195+05	5.4451-03	1.3070+00
72	452.70	3.6345+01	6.0879+00	2.0221-02	6.0879+00	2.0221-02	2.8520-02	4.5961-01	4.3242+05	5.0971-03	1.6410+00
73	466.95	3.9626+00	6.4469-01	2.1660-03	6.4469-01	2.1660-03	3.0549-03	4.9232-02	4.6320+04	5.4629-04	3.7770+00
74	446.21	2.5319+00	4.1234-01	1.3625-03	4.1234-01	1.3625-03	1.9217-03	3.0970-02	2.9138+04	3.4337-04	5.3230+00
77	440.98	5.9585+00	9.8135-01	3.2293-03	9.8135-01	3.2293-03	4.5547-03	7.3402-02	6.9060+04	8.1366-04	3.0090+00
78	464.87	4.8083+00	7.9544-01	2.6679-03	7.9544-01	2.6679-03	3.7629-03	6.0641-02	5.7054+04	6.7284-04	3.3930+00
79	481.30	3.8556+00	6.3329-01	2.1526-03	6.3329-01	2.1526-03	3.0361-03	4.8928-02	4.6034+04	5.4323-04	3.7770+00
80	430.91	1.2182+01	2.0159+00	6.5813-03	2.0159+00	6.5813-03	9.2824-03	1.4959-01	1.4074+05	1.6576-03	2.4660+00
81	446.20	4.9688+00	8.2131-01	2.7139-03	8.2131-01	2.7139-03	3.8277-03	6.1686-02	5.8037+04	6.8393-04	3.0090+00
82	464.91	4.7564+00	7.8921-01	2.6471-03	7.8921-01	2.6471-03	3.7336-03	6.0169-02	5.6610+04	6.6760-04	3.3930+00
83	481.33	3.9112+00	6.5024-01	2.2103-03	6.5024-01	2.2103-03	3.1175-03	5.0240-02	4.7268+04	5.5779-04	3.7770+00
337	487.91	1.0616+01	1.9960+00	6.8216-03	1.9960+00	6.8216-03	9.6214-03	1.5505-01	1.4588+05	1.7220-03	7.1680+00
339	474.22	5.1958+00	9.8886-01	3.3419-03	9.8886-01	3.3419-03	4.7135-03	7.5960-02	7.1467+04	8.4312-04	8.1130+00
340	469.48	1.5278+00	2.8380-01	9.5542-04	2.8380-01	9.5542-04	1.3476-03	2.1717-02	2.0432+04	2.4100-04	8.6180+00
342	477.81	1.1633+01	2.2424+00	7.6004-03	2.2424+00	7.6004-03	1.0720-02	1.7276-01	1.6254+05	1.9178-03	7.1680+00
344	460.78	6.2587+00	1.1866+00	3.9669-03	1.1866+00	3.9669-03	5.5951-03	9.0168-02	8.4834+04	1.0003-03	8.1130+00
347	473.80	9.6644+00	1.8004+00	6.0824-03	1.8004+00	6.0824-03	8.5788-03	1.3825-01	1.3007+05	1.5345-03	7.1680+00
349	459.29	5.6478+00	1.0670+00	3.5626-03	1.0670+00	3.5626-03	5.0248-03	8.0977-02	7.6186+04	8.9827-04	8.1130+00
350	454.46	1.6270+00	2.8243-01	9.3939-04	2.8243-01	9.3939-04	1.3249-03	2.1352-02	2.0089+04	2.3681-04	8.6180+00
352	474.24	1.0416+01	1.8943+00	6.4020-03	1.8943+00	6.4020-03	9.0296-03	1.4552-01	1.3691+05	1.6152-03	7.1680+00
354	461.54	5.5356+00	1.0446+00	3.4943-03	1.0446+00	3.4943-03	4.9285-03	7.9425-02	7.4726+04	8.8113-04	8.1130+00
357	479.58	9.4093+00	1.7127+00	5.8134-03	1.7127+00	5.8134-03	8.1994-03	1.3214-01	1.2432+05	1.4670-03	7.1680+00
359	472.36	4.9875+00	8.8617-01	2.9903-03	8.8617-01	2.9903-03	4.2176-03	6.7969-02	6.3948+04	7.5437-04	8.1130+00
401	465.33	3.3476+01	2.7946+00	9.3767-03	2.7946+00	9.3767-03	1.3225-02	2.1313-01	2.0052+05	2.3648-03	4.5500-01
403	497.84	7.2282+01	6.0916+00	2.0990-02	6.0916+00	2.0990-02	2.9605-02	4.7710-01	4.4888+05	5.3006-03	6.8600-01
404	506.87	8.1853+01	6.9798+00	2.4232-02	6.9798+00	2.4232-02	3.4178-02	5.5079-01	5.1821+05	6.1215-03	8.0100-01
405	514.58	8.8139+01	7.5077+00	2.6234-02	7.5077+00	2.6234-02	3.7061-02	5.9630-01	5.6102+05	6.6293-03	1.0510+00
406	497.79	8.5848+01	7.2781+00	2.5077-02	7.2781+00	2.5077-02	3.5370-02	5.7000-01	5.3628+05	6.3327-03	1.1670+00
407	504.37	9.3351+01	8.0895+00	2.8026-02	8.0895+00	2.8026-02	3.9529-02	6.3703-01	5.9934+05	7.0792-03	1.2830+00
408	465.28	4.2637+01	3.4751+00	1.1659-02	3.4751+00	1.1659-02	1.6445-02	2.6502-01	2.4934+05	2.9405-03	5.1300-01
409	459.72	3.4969+01	2.8910+00	9.6565-03	2.8910+00	9.6565-03	1.3620-02	2.1949-01	2.0651+05	2.4348-03	5.7000-01
410	465.10	3.7599+01	3.0083+00	1.0092-02	3.0083+00	1.0092-02	1.4234-02	2.2939-01	2.1582+05	2.5452-03	6.2800-01
411	473.36	4.3810+01	3.6552+00	1.2344-02	3.6552+00	1.2344-02	1.7411-02	2.8058-01	2.6398+05	3.1142-03	6.8600-01
412	483.61	4.6740+01	3.9028+00	1.3291-02	3.9028+00	1.3291-02	1.8746-02	3.0211-01	2.8423+05	3.3545-03	7.4400-01
413	482.77	5.9552+01	5.0294+00	1.7116-02	5.0294+00	1.7116-02	2.4141-02	3.8904-01	3.6603+05	4.3196-03	8.0100-01
414	484.83	6.5208+01	5.4492+00	1.8576-02	5.4492+00	1.8576-02	2.6200-02	4.2223-01	3.9725+05	4.6885-03	8.5900-01
415	502.10	7.5422+01	6.4119+00	2.2172-02	6.4119+00	2.2172-02	3.1272-02	5.0397-01	4.7415+05	5.6000-03	9.1700-01
416	471.79	4.3693+01	3.3816+00	1.1405-02	3.3816+00	1.1405-02	1.6067-02	2.5924-01	2.4391+05	2.8772-03	5.7000-01
417	496.62	7.7298+01	6.5093+00	2.2407-02	6.5093+00	2.2407-02	3.1603-02	5.0930-01	4.7917+05	5.6580-03	1.0520+00

CONFIDENTIAL

5 1 11.97 -.03 .00 -.00 402 11 3.15 10.04 216.2 1646.9

8.05352+01 4.79127-03 3.38115-01 4.41517+03 4.99145-06 6.52335-08 2.83424-02 7.72000+00 6.70084-06 7.51551-02

1	452.21	1.4378+01	2.4076+00	7.9935-03	2.4076+00	7.9935-03	1.1273-02	1.8169-01	1.7096+05	2.0152-03	4.1100-01
2	485.38	4.7607+01	8.1503+00	2.7796-02	8.1503+00	2.7796-02	3.9202-02	6.3161-01	5.9451+05	7.0169-03	7.1130-01
3	465.63	3.8533+01	6.5111+00	2.1852-02	6.5111+00	2.1852-02	3.0818-02	4.9669-01	4.6736+05	5.5119-03	1.3070+00
4	457.14	3.6552+01	6.1410+00	2.0469-02	6.1410+00	2.0469-02	2.8869-02	4.6527-01	4.3780+05	5.1615-03	1.6410+00
5	434.75	2.3134+01	4.0062+00	1.3118-02	4.0062+00	1.3118-02	1.8501-02	2.9818-01	2.8058+05	3.3050-03	1.7720+00
6	433.62	1.3125+01	2.1379+00	6.9947-03	2.1379+00	6.9947-03	9.8648-03	1.5899-01	1.4960+05	1.7621-03	2.4660+00
7	444.80	4.7678+00	7.8035-01	2.5757-03	7.8035-01	2.5757-03	3.6325-03	5.8545-02	5.5088+04	6.4915-04	3.0090+00
8	464.27	4.8099+00	7.9063-01	2.6505-03	7.9063-01	2.6505-03	3.7381-03	6.0246-02	5.6689+04	6.6853-04	3.3930+00
9	480.42	3.8416+00	6.3829-01	2.1680-03	6.3829-01	2.1680-03	3.0576-03	4.9279-02	4.6370+04	5.4719-04	3.7770+00
10	487.27	2.7475+00	4.5994-01	1.5711-03	4.5994-01	1.5711-03	2.2157-03	3.5710-02	3.3602+04	3.9662-04	5.3230+00
14	469.20	3.6446+01	6.1731+00	2.0777-02	6.1731+00	2.0777-02	2.9303-02	4.7227-01	4.4438+05	5.2416-03	1.0880+00
15	467.47	3.9696+01	6.7158+00	2.2572-02	6.7158+00	2.2572-02	3.1834-02	5.1306-01	4.8277+05	5.6940-03	1.3070+00
16	459.60	3.8967+01	6.5577+00	2.1902-02	6.5577+00	2.1902-02	3.0889-02	4.9782-01	4.6843+05	5.5231-03	1.6410+00
19	454.83	1.0855+01	1.6558+00	5.5091-03	1.6558+00	5.5091-03	7.7696-03	1.2522-01	1.1783+05	1.3890-03	4.1100-01
20	488.93	4.1454+01	6.7805+00	2.3192-02	6.7805+00	2.3192-02	3.2709-02	5.2715-01	4.9603+05	5.8554-03	7.1100-01
21	484.70	4.8236+01	7.9888+00	2.7230-02	7.9888+00	2.7230-02	3.8404-02	6.1894-01	5.8240+05	6.8738-03	1.0880+00
22	473.06	4.5143+01	7.4642+00	2.5202-02	7.4642+00	2.5202-02	3.5543-02	5.7283-01	5.3901+05	6.3588-03	1.3070+00
23	457.57	3.8489+01	6.2035+00	2.0685-02	6.2035+00	2.0685-02	2.9173-02	4.7017-01	4.4241+05	5.2159-03	1.6410+00
24	431.29	6.4000+00	1.0284+00	3.3586-03	1.0284+00	3.3586-03	4.7367-03	7.6340-02	7.1833+04	8.4602-04	3.0090+00
25	449.58	5.4187+00	8.6068-01	2.8516-03	8.6068-01	2.8516-03	4.0217-03	6.4817-02	6.0990+04	7.1883-04	3.3930+00
26	465.79	4.3678+00	7.0575-01	2.3689-03	7.0575-01	2.3689-03	3.3409-03	5.3844-02	5.0665+04	5.9752-04	3.7770+00
27	504.62	5.4346+01	8.9797+00	3.1117-02	8.9797+00	3.1117-02	4.3885-02	7.0728-01	6.6552+05	7.8612-03	7.1100-01
28	487.24	4.8054+01	7.9719+00	2.7229-02	7.9719+00	2.7229-02	3.8403-02	6.1892-01	5.8238+05	6.8743-03	1.0880+00
29	476.50	4.1869+01	7.0045+00	2.3716-02	7.0045+00	2.3716-02	3.3447-02	5.3905-01	5.0723+05	5.9846-03	1.3070+00
30	459.95	3.8229+01	6.3408+00	2.1183-02	6.3408+00	2.1183-02	2.9875-02	4.8149-01	4.5307+05	5.3421-03	1.6410+00
31	436.69	2.4368+01	4.0368+00	1.3239-02	4.0368+00	1.3239-02	1.8671-02	3.0092-01	2.8315+05	3.3356-03	1.7720+00
32	436.50	1.3334+01	2.1763+00	7.1364-03	2.1763+00	7.1364-03	1.0065-02	1.6221-01	1.5263+05	1.7980-03	2.4660+00
33	444.08	5.7371+00	9.4413-01	3.1145-03	9.4413-01	3.1145-03	4.3924-03	7.0792-02	6.6612+04	7.8493-04	3.0090+00
34	460.27	4.6795+00	7.6712-01	2.5635-03	7.6712-01	2.5635-03	3.6153-03	5.8267-02	5.4827+04	6.4647-04	3.3930+00
35	471.99	3.8961+00	6.1668-01	2.0803-03	6.1668-01	2.0803-03	2.9339-03	4.7265-02	4.4494+04	5.2487-04	3.7770+00
36	480.72	4.2073+01	6.9709+00	2.3683-02	6.9709+00	2.3683-02	3.3401-02	5.3832-01	5.0654+05	5.9775-03	1.3070+00
37	440.40	1.4846+01	2.4585+00	8.0865-03	2.4585+00	8.0865-03	1.1405-02	1.8380-01	1.7295+05	2.0377-03	2.4660+00
38	454.42	3.4094+00	5.5669-01	1.8516-03	5.5669-01	1.8516-03	2.6113-03	4.2086-02	3.9601+04	4.6683-04	3.0090+00
39	471.56	5.5948+00	9.1860-01	3.0977-03	9.1860-01	3.0977-03	4.3688-03	7.0411-02	6.6254+04	7.8155-04	3.3930+00
40	479.93	4.7881+00	7.8335-01	2.6597-03	7.8335-01	2.6597-03	3.7510-03	6.0454-02	5.6885+04	6.7126-04	3.7770+00
41	484.01	3.9808+00	6.3909-01	2.1771-03	6.3909-01	2.1771-03	3.0705-03	4.9486-02	4.6564+04	5.4956-04	4.1620+00
43	458.67	2.9138+00	4.8431-01	1.6163-03	4.8431-01	1.6163-03	2.2795-03	3.6739-02	3.4570+04	4.0759-04	5.3230+00
47	505.05	5.1178+01	8.5365+00	2.9591-02	8.5365+00	2.9591-02	4.1734-02	6.7261-01	6.3290+05	7.4759-03	7.1100-01
48	490.51	4.6038+01	7.7463+00	2.6530-02	7.7463+00	2.6530-02	3.7417-02	6.0303-01	5.6743+05	6.6987-03	1.0880+00
49	471.13	4.1130+01	6.8736+00	2.3171-02	6.8736+00	2.3171-02	3.2679-02	5.2668-01	4.9559+05	5.8460-03	1.3070+00
50	465.18	3.6738+01	6.1514+00	2.0637-02	6.1514+00	2.0637-02	2.9105-02	4.6908-01	4.4139+05	5.2054-03	1.6410+00
51	444.39	2.3379+01	3.8937+00	1.2848-02	3.8937+00	1.2848-02	1.8119-02	2.9203-01	2.7479+05	3.2380-03	1.7720+00
52	432.76	3.1714+00	5.2394-01	1.7130-03	5.2394-01	1.7130-03	2.4159-03	3.8936-02	3.6637+04	4.3153-04	2.4660+00
53	466.05	8.7948+00	1.4474+00	4.8593-03	1.4474+00	4.8593-03	6.8532-03	1.1045-01	1.0393+05	1.2257-03	3.0090+00
54	482.28	5.8551+00	9.6233-01	3.2737-03	9.6233-01	3.2737-03	4.6169-03	7.4410-02	7.0017+04	8.2630-04	3.3930+00
55	484.97	4.4790+00	7.2400-01	2.4684-03	7.2400-01	2.4684-03	3.4812-03	5.6106-02	5.2793+04	6.2310-04	3.7770+00
56	457.95	1.3229+01	2.0417+00	6.8098-03	2.0417+00	6.8098-03	9.6041-03	1.5479-01	1.4565+05	1.7172-03	4.1100-01
57	488.63	4.0688+01	6.6744+00	2.2824-02	6.6744+00	2.2824-02	3.2189-02	5.1878-01	4.8815+05	5.7623-03	7.1100-01
58	488.93	4.6340+01	7.7890+00	2.6642-02	7.7890+00	2.6642-02	3.7574-02	6.0557-01	5.6982+05	6.7264-03	1.0880+00
59	476.17	4.2402+01	7.0887+00	2.3994-02	7.0887+00	2.3994-02	3.3840-02	5.4539-01	5.1319+05	6.0549-03	1.3070+00
60	468.42	3.8326+01	6.3933+00	2.1505-02	6.3933+00	2.1505-02	3.0329-02	4.8880-01	4.5995+05	5.4250-03	1.6410+00
61	466.03	3.6540+00	5.9954-01	2.0128-03	5.9954-01	2.0128-03	2.8387-03	4.5750-02	4.3049+04	5.0771-04	3.0090+00
62	481.43	3.9662+00	6.5152-01	2.2148-03	6.5152-01	2.2148-03	3.1236-03	5.0342-02	4.7370+04	5.5901-04	3.3930+00
63	483.94	3.8057+00	6.1476-01	2.0942-03	6.1476-01	2.0942-03	2.9535-03	4.7600-02	4.4790+04	5.2862-04	3.7770+00
64	470.96	3.5149+01	5.9605+00	2.0090-02	5.9605+00	2.0090-02	2.8334-02	4.5665-01	4.2969+05	5.0686-03	1.0880+00
65	468.27	3.7037+01	6.2693+00	2.1085-02	6.2693+00	2.1085-02	2.9737-02	4.7926-01	4.5097+05	5.3191-03	1.3070+00
66	465.08	3.5594+01	6.0122+00	2.0169-02	6.0122+00	2.0169-02	2.8444-02	4.5843-01	4.3136+05	5.0872-03	1.6410+00
69	452.41	1.4271+01	2.3899+00	7.9359-03	2.3899+00	7.9359-03	1.1192-02	1.8038-01	1.6973+05	2.0007-03	4.1100-01
70	481.26	4.0434+01	6.9036+00	2.3465-02	6.9036+00	2.3465-02	3.3094-02	5.3336-01	5.0187+05	5.9225-03	7.1100-01
71	471.33	3.7786+01	6.3906+00	2.1547-02	6.3906+00	2.1547-02	3.0388-02	4.8975-01	4.6084+05	5.4361-03	1.3070+00
72	470.25	3.5277+01	5.9794+00	2.0143-02	5.9794+00	2.0143-02	2.8408-02	4.5784-01	4.3081+05	5.0817-03	1.6410+00
73	468.92	3.9122+00	6.3733-01	2.1447-03	6.3733-01	2.1447-03	3.0247-03	4.8748-02	4.5870+04	5.4104-04	3.7770+00
74	447.46	2.5595+00	4.1719-01	1.3799-03	4.1719-01	1.3799-03	1.9461-03	3.1365-02	2.9513+04	3.4781-04	5.3230+00
77	444.11	6.5455+00	1.0804+00	3.5639-03	1.0804+00	3.5639-03	5.0263-03	8.1008-02	7.6225+04	8.9820-04	3.0090+00
78	467.20	4.8857+00	8.0951-01	2.7202-03	8.0951-01	2.7202-03	3.8364-03	6.1830-02	5.8180+04	6.8619-04	3.3930+00
79	483.17	3.7912+00	6.2347-01	2.1225-03	6.2347-01	2.1225-03	2.9934-03	4.8244-02	4.5395+04	5.3575-04	3.7770+00
80	437.04	1.2924+01	2.1477+00	7.0456-03	2.1477+00	7.0456-03	9.9366-03	1.6014-01	1.5069+05	1.7752-03	2.4660+00
81	448.63	5.0145+00	8.3026-01	2.7487-03	8.3026-01	2.7487-03	3.8766-03	6.2478-02	5.8790+04	6.9288-04	3.0090+00
82	467.23	4.7288+00	7.8587-01	2.6409-03	7.8587-01	2.6409-03	3.7245-03	6.0027-02	5.6483+04	6.6618-04	3.3930+00
83	483.25	3.8530+00	6.4138-01	2.1836-03	6.4138-01	2.1836-03	3.0796-03	4.9632-02	4.6702+04	5.5117-04	3.7770+00
337	493.07	1.0428+01	1.9674+00	6.7523-03	1.9674+00	6.7523-03	9.5230-03	1.5348-01	1.4442+05	1.7051-03	7.1680+00
339	476.74	5.1600+00	9.8369-01	3.3312-03	9.8369-01	3.3312-03	4.6981-03	7.5718-02	7.1248+04	8.4064-04	8.1130+00
340	470.20	1.4348+00	2.6665-01	8.9823-04	2.6665-01	8.9823-04	1.2668-03	2.0417-02	1.9211+04	2.2661-04	8.6180+00
342	483.55	1.1450+01	2.2156+00	7.5449-03	2.2156+00	7.5449-03	1.0641-02	1.7149-01	1.6137+05	1.9045-03	7.1680+00
344	463.83	6.1408+00	1.1667+00	3.9098-03	1.1667+00	3.9098-03	5.5141-03	8.8869-02	8.3622+04	9.8613-04	8.1130+00
347	478.58	9.5699+00	1.7884+00	6.0656-03	1.7884+00	6.0656-03	8.5545-03	1.3787-01	1.2973+05	1.5308-03	7.1680+00
349	462.02	5.4083+00	1.0236+00	3.4253-03	1.0236+00	3.4253-03	4.8308-03	7.7857-02	7.3260+04	8.6388-04	8.1130+00
350	455.27	1.5990+00	2.7771-01	9.2430-04	2.7771-01	9.2430-04	1.3036-03	2.1009-02	1.9769+04	2.3305-04	8.6180+00
352	479.29	1.0104+01	1.8438+00	6.2569-03	1.8438+00	6.2569-03	8.8243-03	1.4222-01	1.3382+05	1.5791-03	7.1680+00
354	464.26	5.4571+00	1.0317+00	3.4587-03	1.0317+00	3.4587-03	4.8779-03	7.8615-02	7.3973+04	8.7236-04	8.1130+00
357	484.18	9.2888+00	1.6959+00	5.7780-03	1.6959+00	5.7780-03	8.1489-03	1.3133-01	1.2358+05	1.4585-03	7.1680+00
359	474.82	5.0073+00	8.9113-01	3.0131-03	8.9113-01	3.0131-03	4.2494-03	6.8487-02	6.4443+04	7.6029-04	8.1130+00
401	481.21	3.3231+01	2.8036+00	9.5290-03	2.8036+00	9.5290-03	1.3439-02	2.1659-01	2.0380+05	2.4051-03	4.5500-01
403	530.62	6.4383+01	5.5393+00	1.9621-02	5.5393+00	1.9621-02	2.7672-02	4.4599-01	4.1966+05	4.9622-03	6.8600-01
404	544.44	7.3524+01	6.4181+00	2.3006-02	6.4181+00	2.3006-02	3.2446-02	5.2292-01	4.9205+05	5.8216-03	8.0100-01
405	555.15	7.8940+01	6.8938+00	2.4943-02	6.8938+00	2.4943-02	3.5177-02	5.6694-01	5.3347+05	6.3145-03	1.0510+00
406	537.96	7.7663+01	6.7523+00	2.4069-02	6.7523+00	2.4069-02	3.3945-02	5.4708-01	5.1478+05	6.0889-03	1.1670+00
407	547.32	8.2790+01	7.3684+00	2.6478-02	7.3684+00	2.6478-02	3.7343-02	6.0184-01	5.6631+05	6.7010-03	1.2830+00
408	487.04	4.4502+01	3.6747+00	1.2567-02	3.6797+00	1.2567-02	1.7723-02	2.8564-01	2.6878+05	3.1726-03	5.1300-01
409	477.90	3.8104+01	3.1888+00	1.0809-02	3.1888+00	1.0809-02	1.5244-02	2.4568-01	2.3118+05	2.7278-03	5.7000-01
410	483.98	4.0362+01	3.2702+00	1.1140-02	3.2702+00	1.1140-02	1.5711-02	2.5321-01	2.3826+05	2.8120-03	6.2800-01
411	495.36	4.5998+01	3.8935+00	1.3388-02	3.8935+00	1.3388-02	1.8882-02	3.0432-01	2.8635+05	3.3811-03	6.8600-01
412	507.39	5.0681+01	4.2974+00	1.4926-02	4.2974+00	1.4926-02	2.1051-02	3.3926-01	3.1924+05	3.7712-03	7.4400-01
413	512.72	6.1633+01	5.3066+00	1.8514-02	5.3066+00	1.8514-02	2.6111-02	4.2082-01	3.9597+05	4.6788-03	8.0100-01
414	517.34	6.6543+01	5.6780+00	1.9887-02	5.6780+00	1.9887-02	2.8047-02	4.5203-01	4.2534+05	5.0267-03	8.5900-01
415	538.38	7.2727+01	6.3248+00	2.2553-02	6.3248+00	2.2553-02	3.1807-02	5.1263-01	4.8237+05	5.7056-03	9.1700-01
416	493.64	4.4452+01	3.4900+00	1.1984-02	3.4900+00	1.1984-02	1.6901-02	2.7239-01	2.5631+05	3.0262-03	5.7000-01
417	534.67	7.6690+01	6.6146+00	2.3511-02	6.6146+00	2.3511-02	3.3159-02	5.3441-01	5.0286+05	5.9471-03	1.0520+00

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8.04407+01 4.58922-03 3.23676-01 4.41134+03 4.78658-06 6.51569-08 2.71874-02 7.72000+00 6.69186-06 7.51676-02

1	444.05	6.3974+00	1.0652+00	3.5222-03	1.0652+00	3.5222-03	5.1845-03	8.1771-02	7.5433+04	8.8746-04	4.1100-01
2	434.73	2.1174+01	3.5028+00	1.1497-02	3.5028+00	1.1497-02	1.6923-02	2.6692-01	2.4623+05	2.8958-03	7.1100-01
3	424.09	1.9107+01	3.1374+00	1.0212-02	3.1374+00	1.0212-02	1.5032-02	2.3708-01	2.1871+05	2.5710-03	1.3070+00
4	418.01	1.9490+01	3.1865+00	1.0323-02	3.1865+00	1.0323-02	1.5195-02	2.3966-01	2.2108+05	2.5984-03	1.6410+00
5	414.15	1.3428+01	2.2916+00	7.4017-03	2.2916+00	7.4017-03	1.0895-02	1.7184-01	1.5852+05	1.8628-03	1.7720+00
6	423.97	7.5309+00	1.2184+00	3.9654-03	1.2184+00	3.9654-03	5.8370-03	9.2062-02	8.4926+04	9.9837-04	2.4660+00
7	433.22	4.4135+00	7.1658-01	2.3492-03	7.1658-01	2.3492-03	3.4579-03	5.4539-02	5.0312+04	5.9166-04	3.0090+00
8	444.64	4.6177+00	7.4895-01	2.4776-03	7.4895-01	2.4776-03	3.6469-03	5.7519-02	5.3061+04	6.2427-04	3.3930+00
9	458.00	4.0634+00	6.6510-01	2.2238-03	6.6510-01	2.2238-03	3.2734-03	5.1628-02	4.7626+04	5.6062-04	3.7770+00
10	473.00	4.5075+00	7.4751-01	2.5298-03	7.4751-01	2.5298-03	3.7238-03	5.8732-02	5.4180+04	6.3815-04	5.3230+00
14	429.83	1.7918+01	2.9541+00	9.6586-03	2.9541+00	9.6586-03	1.4217-02	2.2423-01	2.0686+05	2.4323-03	1.0880+00
15	423.40	2.0554+01	3.3734+00	1.0974-02	3.3734+00	1.0974-02	1.6154-02	2.5478-01	2.3503+05	2.7629-03	1.3070+00
16	417.25	2.1542+01	3.5200+00	1.1396-02	3.5200+00	1.1396-02	1.6775-02	2.6458-01	2.4407+05	2.8685-03	1.6410+00
19	447.29	6.1049+00	9.2645-01	3.0712-03	9.2645-01	3.0712-03	4.5208-03	7.1302-02	6.5775+04	7.7394-04	4.1100-01
20	443.65	1.9064+01	3.0250+00	9.9992-03	3.0250+00	9.9992-03	1.4719-02	2.3214-01	2.1415+05	2.5194-03	7.1100-01
21	430.50	2.4009+01	3.8328+00	1.2538-02	3.8328+00	1.2538-02	1.8456-02	2.9109-01	2.6853+05	3.1575-03	1.0880+00
22	422.16	2.2725+01	3.6282+00	1.1792-02	3.6282+00	1.1792-02	1.7357-02	2.7376-01	2.5254+05	2.9686-03	1.3070+00
23	416.14	1.9976+01	3.1279+00	1.0118-02	3.1279+00	1.0118-02	1.4894-02	2.3491-01	2.1670+05	2.5467-03	1.6410+00
24	426.50	4.8930+00	7.8362-01	2.5554-03	7.8362-01	2.5554-03	3.7615-03	5.9327-02	5.4729+04	6.4344-04	3.0090+00
25	439.75	4.6021+00	7.2603-01	2.3925-03	7.2603-01	2.3925-03	3.5217-03	5.5544-02	5.1239+04	6.0272-04	3.3930+00
26	452.43	3.5034+00	5.6098-01	1.8673-03	5.6098-01	1.8673-03	2.7486-03	4.3351-02	3.9991+04	4.7065-04	3.7770+00
27	443.25	2.4754+01	3.9268+00	1.2976-02	3.9268+00	1.2976-02	1.9100-02	3.0125-01	2.7790+05	3.2693-03	7.1100-01
28	433.21	2.4863+01	3.9767+00	1.3037-02	3.9767+00	1.3037-02	1.9190-02	3.0266-01	2.7920+05	3.2834-03	1.0880+00
29	427.68	2.6380+01	4.2664+00	1.3926-02	4.2664+00	1.3926-02	2.0498-02	3.2330-01	2.9824+05	3.5066-03	1.3070+00
30	419.13	2.3828+01	3.8417+00	1.2456-02	3.8417+00	1.2456-02	1.8335-02	2.8919-01	2.6677+05	3.1355-03	1.6410+00
31	414.06	1.5138+01	2.4680+00	7.9707-03	2.4680+00	7.9707-03	1.1733-02	1.8505-01	1.7071+05	2.0060-03	1.7720+00
32	431.51	1.1214+01	1.8239+00	5.9714-03	1.8239+00	5.9714-03	8.7898-03	1.3863-01	1.2789+05	1.5039-03	2.4660+00
33	440.44	4.8566+00	7.9722-01	2.6285-03	7.9722-01	2.6285-03	3.8691-03	6.1023-02	5.6293+04	6.6219-04	3.0090+00
34	452.53	3.7429+00	6.1036-01	2.0318-03	6.1036-01	2.0318-03	2.9908-03	4.7171-02	4.3515+04	5.1212-04	3.3930+00
35	462.03	3.7008+00	5.8187-01	1.9518-03	5.8187-01	1.9518-03	2.8730-03	4.5314-02	4.1802+04	4.9214-04	3.7770+00
36	430.38	2.8908+01	4.6284+00	1.5140-02	4.6284+00	1.5140-02	2.2285-02	3.5148-01	3.2424+05	3.8126-03	1.3070+00
37	434.24	1.1790+01	1.9441+00	6.3786-03	1.9441+00	6.3786-03	9.3891-03	1.4808-01	1.3661+05	1.6065-03	2.4660+00
38	454.62	5.8249+00	9.5125-01	3.1719-03	9.5125-01	3.1719-03	4.6690-03	7.3640-02	6.7932+04	7.9954-04	3.0090+00
39	462.66	5.2094+00	8.5023-01	2.8535-03	8.5023-01	2.8535-03	4.2003-03	6.6247-02	6.1112+04	7.1950-04	3.3930+00
40	470.59	4.5948+00	7.4709-01	2.5235-03	7.4709-01	2.5235-03	3.7145-03	5.8586-02	5.4045+04	6.3649-04	3.7770+00
41	476.53	3.8291+00	6.1171-01	2.0762-03	6.1171-01	2.0762-03	3.0561-03	4.8202-02	4.4466+04	5.2380-04	4.1620+00
43	456.69	3.0504+00	5.0634-01	1.6912-03	5.0634-01	1.6912-03	2.4894-03	3.9263-02	3.6220+04	4.2633-04	5.3230+00
47	446.53	3.1141+01	4.9967+00	1.6554-02	4.9967+00	1.6554-02	2.4368-02	3.8433-01	3.5454+05	4.1715-03	7.1100-01
48	433.25	3.3464+01	5.4172+00	1.7760-02	5.4172+00	1.7760-02	2.6142-02	4.1231-01	3.8036+05	4.4730-03	1.0880+00
49	429.00	3.0582+01	4.9654+00	1.6224-02	4.9654+00	1.6224-02	2.3882-02	3.7667-01	3.4747+05	4.0856-03	1.3070+00
50	429.88	3.5867+01	5.8616+00	1.9166-02	5.8616+00	1.9166-02	2.8212-02	4.4496-01	4.1047+05	4.8264-03	1.6410+00
51	425.10	2.3477+01	3.8577+00	1.2566-02	3.8577+00	1.2566-02	1.8497-02	2.9174-01	2.6913+05	3.1640-03	1.7720+00
52	438.47	4.1709+00	6.9181-01	2.2774-03	6.9181-01	2.2774-03	3.3523-03	5.2872-02	4.8774+04	5.7369-04	2.4660+00
53	457.82	7.0488+00	1.1536+00	3.8567-03	1.1536+00	3.8567-03	5.6769-03	8.9536-02	8.2597+04	9.7226-04	3.0090+00
54	471.96	5.3465+00	8.7276-01	2.9512-03	8.7276-01	2.9512-03	4.3442-03	6.8516-02	6.3206+04	7.4442-04	3.3930+00
55	476.06	4.0701+00	6.5407-01	2.2191-03	6.5407-01	2.2191-03	3.2665-03	5.1519-02	4.7526+04	5.5985-04	3.7770+00
56	448.68	8.5319+00	1.3085+00	4.3425-03	1.3085+00	4.3425-03	6.3921-03	1.0082-01	9.3002+04	1.0944-03	4.1100-01
57	442.83	2.5201+01	4.0088+00	1.3242-02	4.0088+00	1.3242-02	1.9492-02	3.0743-01	2.8360+05	3.3364-03	7.1100-01
58	440.87	3.6826+01	5.9931+00	1.9766-02	5.9931+00	1.9766-02	2.9096-02	4.5890-01	4.2333+05	4.9798-03	1.0880+00
59	435.82	3.8584+01	6.2760+00	2.0617-02	6.2760+00	2.0617-02	3.0348-02	4.7864-01	4.4155+05	5.1931-03	1.3070+00
60	432.04	4.0924+01	6.6586+00	2.1809-02	6.6586+00	2.1809-02	3.2102-02	5.0632-01	4.6707+05	5.4925-03	1.6410+00
61	458.40	3.6774+00	6.0028-01	2.0077-03	6.0028-01	2.0077-03	2.9553-03	4.6611-02	4.2999+04	5.0616-04	3.0090+00
62	470.80	3.5210+00	5.7433-01	1.9403-03	5.7433-01	1.9403-03	2.8560-03	4.5045-02	4.1554+04	4.8939-04	3.3930+00
63	474.14	3.3714+00	5.4110-01	1.8330-03	5.4110-01	1.8330-03	2.6981-03	4.2555-02	3.9256+04	4.6239-04	3.7770+00
64	438.19	3.4426+01	5.7090+00	1.8789-02	5.7090+00	1.8789-02	2.7657-02	4.3621-01	4.0240+05	4.7331-03	1.0880+00
65	433.93	4.0501+01	6.6965+00	2.1966-02	6.6965+00	2.1966-02	3.2333-02	5.0995-01	4.7043+05	5.5323-03	1.3070+00
66	430.47	3.8987+01	6.4306+00	2.1036-02	6.4306+00	2.1036-02	3.0964-02	4.8837-01	4.5052+05	5.2975-03	1.6410+00
69	442.79	9.0244+00	1.5013+00	4.9592-03	1.5013+00	4.9592-03	7.2998-03	1.1513-01	1.0621+05	1.2495-03	4.1100-01
70	441.40	3.0630+01	5.0908+00	1.6797-02	5.0908+00	1.6797-02	2.4725-02	3.8997-01	3.5975+05	4.2319-03	7.1100-01
71	437.02	4.1291+01	6.8218+00	2.2431-02	6.8218+00	2.2431-02	3.3018-02	5.2076-01	4.8040+05	5.6503-03	1.3070+00
72	432.46	3.6378+01	6.0086+00	1.9687-02	6.0086+00	1.9687-02	2.8978-02	4.5704-01	4.2162+05	4.9580-03	1.6410+00
73	457.40	3.3086+00	5.3483-01	1.7874-03	5.3483-01	1.7874-03	2.6310-03	4.1496-02	3.8279+04	4.5059-04	3.7770+00
74	442.74	2.2213+00	3.6089-01	1.1920-03	3.6089-01	1.1920-03	1.7546-03	2.7674-02	2.5529+04	3.0034-04	5.3230+00
77	431.11	5.3704+00	8.7842-01	2.8750-03	8.7842-01	2.8750-03	4.2319-03	6.6746-02	6.1573+04	7.2403-04	3.0090+00
78	447.04	4.6468+00	7.5945-01	2.5171-03	7.5945-01	2.5171-03	3.7051-03	5.8437-02	5.3908+04	6.3430-04	3.3930+00
79	461.48	4.1283+00	6.6919-01	2.2438-03	6.6919-01	2.2438-03	3.3027-03	5.2091-02	4.8054+04	5.6573-04	3.7770+00
80	425.50	8.4623+00	1.3950+00	4.5455-03	1.3950+00	4.5455-03	6.6909-03	1.0553-01	9.7350+04	1.1445-03	2.4660+00
81	435.59	4.7392+00	7.7762-01	2.5541-03	7.7762-01	2.5541-03	3.7595-03	5.9295-02	5.4699+04	6.4332-04	3.0090+00
82	448.40	5.0218+00	8.2397-01	2.7339-03	8.2397-01	2.7339-03	4.0243-03	6.3471-02	5.8551+04	6.8897-04	3.3930+00
83	460.81	4.0961+00	6.7173-01	2.2511-03	6.7173-01	2.2511-03	3.3135-03	5.2261-02	4.8210+04	5.6756-04	3.7770+00
337	468.65	1.2788+01	2.3740+00	8.0063-03	2.3740+00	8.0063-03	1.1785-02	1.8587-01	1.7147+05	2.0192-03	7.1680+00
339	464.55	7.9117+00	1.4960+00	5.0286-03	1.4960+00	5.0286-03	7.4019-03	1.1674-01	1.0769+05	1.2680-03	8.1130+00
340	464.56	3.6171+00	6.6970-01	2.2510-03	6.6970-01	2.2510-03	3.3135-03	5.2260-02	4.8210+04	5.6764-04	8.6180+00
342	461.25	1.3558+01	2.5848+00	8.6651-03	2.5848+00	8.6651-03	1.2755-02	2.0117-01	1.8558+05	2.1848-03	7.1680+00
344	455.11	9.9823+00	1.8854+00	6.2892-03	1.8854+00	6.2892-03	9.2576-03	1.4601-01	1.3469+05	1.5853-03	8.1130+00
347	462.70	1.1463+01	2.1197+00	7.1143-03	2.1197+00	7.1143-03	1.0472-02	1.6516-01	1.5236+05	1.7939-03	7.1680+00
349	450.86	7.1730+00	1.3473+00	4.4792-03	1.3473+00	4.4792-03	6.5933-03	1.0399-01	9.5930+04	1.1289-03	8.1130+00
350	444.55	2.3434+00	4.0402-01	1.3364-03	4.0402-01	1.3364-03	1.9672-03	3.1027-02	2.8622+04	3.3674-04	8.6180+00
352	462.65	1.0221+01	1.8446+00	6.1908-03	1.8446+00	6.1908-03	9.1127-03	1.4373-01	1.3259+05	1.5610-03	7.1680+00
354	454.95	6.1013+00	1.1462+00	3.8232-03	1.1462+00	3.8232-03	5.6276-03	8.8759-02	8.1879+04	9.6371-04	8.1130+00
357	469.05	8.5912+00	1.5529+00	5.2386-03	1.5529+00	5.2386-03	7.7111-03	1.2162-01	1.1219+05	1.3212-03	7.1680+00
359	464.87	5.2462+00	9.2747-01	3.1183-03	9.2747-01	3.1183-03	4.5900-03	7.2394-02	6.6783+04	7.8634-04	8.1130+00
401	443.50	2.1169+01	1.7411+00	5.7546-03	1.7411+00	5.7546-03	8.4705-03	1.3360-01	1.2324+05	1.4499-03	4.5500-01
403	445.23	4.4994+01	3.6613+00	1.2117-02	3.6613+00	1.2117-02	1.7837-02	2.8132-01	2.5951+05	3.0533-03	6.8600-01
404	447.59	5.2635+01	4.3158+00	1.4310-02	4.3158+00	1.4310-02	2.1064-02	3.3223-01	3.0648+05	3.6062-03	8.0100-01
405	450.75	6.1507+01	5.0240+00	1.6701-02	5.0240+00	1.6701-02	2.4583-02	3.8773-01	3.5768+05	4.2091-03	1.0510+00
406	443.34	4.7193+01	3.8582+00	1.2750-02	3.8582+00	1.2750-02	1.8768-02	2.9600-01	2.7306+05	3.2124-03	1.1670+00
407	444.93	5.5189+01	4.5975+00	1.5212-02	4.5975+00	1.5212-02	2.2392-02	3.5317-01	3.2580+05	3.8331-03	1.2830+00
408	440.96	2.1597+01	1.7313+00	5.7105-03	1.7313+00	5.7105-03	8.4056-03	1.3257-01	1.2230+05	1.4387-03	5.1300-01
409	443.72	2.2931+01	1.8752+00	6.1987-03	1.8752+00	6.1987-03	9.1243-03	1.4391-01	1.3275+05	1.5618-03	5.7000-01
410	442.27	2.2313+01	1.7577+00	5.8037-03	1.7577+00	5.8037-03	8.5428-03	1.3474-01	1.2429+05	1.4622-03	6.2800-01
411	450.44	3.0544+01	2.5093+00	8.3393-03	2.5093+00	8.3393-03	1.2275-02	1.9361-01	1.7860+05	2.1017-03	6.8600-01
412	457.80	2.5538+01	2.0960+00	7.0070-03	2.0960+00	7.0070-03	1.0314-02	1.6268-01	1.5007+05	1.7665-03	7.4400-01
413	452.31	3.5651+01	2.9501+00	9.8188-03	2.9501+00	9.8188-03	1.4453-02	2.2795-01	2.1029+05	2.4748-03	8.0100-01
414	445.48	3.3835+01	2.7537+00	9.1156-03	2.7537+00	9.1156-03	1.3418-02	2.1163-01	1.9522+05	2.2969-03	8.5900-01
415	460.99	4.9874+01	4.1268+00	1.3831-02	4.1268+00	1.3831-02	2.0359-02	3.2111-01	2.9622+05	3.4873-03	9.1700-01
416	446.12	2.8141+01	2.1404+00	7.0890-03	2.1404+00	7.0890-03	1.0435-02	1.6458-01	1.5182+05	1.7863-03	5.7000-01
417	449.23	4.4158+01	3.6032+00	1.1963-02	3.6032+00	1.1963-02	1.7609-02	2.7773-01	2.5621+05	3.0149-03	1.0520+00

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8.04317+01 4.58929-03 3.23680-01 4.41109+03 4.78718-06 6.51496-08 2.71924-02 7.72000+00 6.69101-06 7.51688-02

1	446.00	8.7268+00	1.4550+00	4.8186-03	1.4550+00	4.8186-03	7.0923-03	1.1187-01	1.0321+05	1.2144-03	4.1100-01
2	442.06	3.5336+01	5.8757+00	1.9398-02	5.8757+00	1.9398-02	2.8551-02	4.5033-01	4.1548+05	4.8878-03	7.1100-01
3	430.45	2.9819+01	4.9164+00	1.6089-02	4.9184+00	1.6089-02	2.3681-02	3.7352-01	3.4462+05	4.0523-03	1.3070+00
4	424.32	2.8965+01	4.7568+00	1.5486-02	4.7568+00	1.5486-02	2.2793-02	3.5952-01	3.3170+05	3.8994-03	1.6410+00
5	418.22	1.8179+01	3.1116+00	1.0082-02	3.1116+00	1.0082-02	1.4839-02	2.3406-01	2.1594+05	2.5380-03	1.7720+00
6	426.32	9.7829+00	1.5854+00	5.1693-03	1.5854+00	5.1693-03	7.6086-03	1.2001-01	1.1072+05	1.3018-03	2.4660+00
7	434.55	4.8421+00	7.8689-01	2.5824-03	7.8689-01	2.5824-03	3.8009-03	5.9953-02	5.5313+04	6.5052-04	3.0090+00
8	446.00	5.0151+00	8.1417-01	2.6962-03	8.1417-01	2.6962-03	3.9685-03	6.2596-02	5.7752+04	6.7950-04	3.3930+00
9	459.21	4.2951+00	7.0360-01	2.3548-03	7.0360-01	2.3548-03	3.4660-03	5.4669-02	5.0438+04	5.9376-04	3.7770+00
10	474.28	4.1454+00	6.8804-01	2.3310-03	6.8804-01	2.3310-03	3.4310-03	5.4117-02	4.9929+04	5.8812-04	5.3230+00
14	435.68	2.7714+01	4.5880+00	1.5070-02	4.5880+00	1.5070-02	2.2181-02	3.4986-01	3.2279+05	3.7964-03	1.0880+00
15	430.05	3.1030+01	5.1167+00	1.6732-02	5.1167+00	1.6732-02	2.4628-02	3.8846-01	3.5840+05	4.2142-03	1.3070+00
16	424.03	3.1185+01	5.1204+00	1.6666-02	5.1204+00	1.6666-02	2.4530-02	3.8691-01	3.5697+05	4.1965-03	1.6410+00
19	449.21	7.9148+00	1.2027+00	3.9931-03	1.2027+00	3.9931-03	5.8773-03	9.2703-02	8.5529+04	1.0065-03	4.1100-01
20	449.84	3.0229+01	4.8170+00	1.6001-02	4.8170+00	1.6001-02	2.3552-02	3.7148-01	3.4274+05	4.0332-03	7.1100-01
21	438.34	3.6920+01	5.9263+00	1.9507-02	5.9263+00	1.9507-02	2.8712-02	4.5288-01	4.1783+05	4.9147-03	1.0880+00
22	429.48	3.4787+01	5.5829+00	1.8249-02	5.5829+00	1.8249-02	2.6860-02	4.2367-01	3.9088+05	4.5961-03	1.3070+00
23	422.30	2.9148+01	4.5843+00	1.4901-02	4.5843+00	1.4901-02	2.1932-02	3.4594-01	3.1917+05	3.7518-03	1.6410+00
24	427.96	5.7247+00	9.1776-01	2.9963-03	9.1776-01	2.9963-03	4.4102-03	6.9563-02	6.4180+04	7.5460-04	3.0090+00
25	441.13	5.2987+00	8.3673-01	2.7603-03	8.3673-01	2.7603-03	4.0628-03	6.4083-02	5.9123+04	6.9551-04	3.3930+00
26	453.51	4.2327+00	6.7826-01	2.2597-03	6.7826-01	2.2597-03	3.3259-03	5.2460-02	4.8400+04	5.6964-04	3.7770+00
27	451.27	4.0014+01	6.3826+00	2.1226-02	6.3826+00	2.1226-02	3.1242-02	4.9278-01	4.5465+05	5.3505-03	7.1100-01
28	440.59	3.5852+01	5.7639+00	1.9006-02	5.7639+00	1.9006-02	2.7975-02	4.4125-01	4.0710+05	4.7889-03	1.0880+00
29	436.03	3.6041+01	5.8632+00	1.9264-02	5.8632+00	1.9264-02	2.8354-02	4.4723-01	4.1262+05	4.8530-03	1.3070+00
30	425.86	3.0748+01	4.9812+00	1.6236-02	4.9812+00	1.6236-02	2.3897-02	3.7694-01	3.4777+05	4.0886-03	1.6410+00
31	418.36	1.9270+01	3.1513+00	1.0212-02	3.1513+00	1.0212-02	1.5030-02	2.3707-01	2.1873+05	2.5708-03	1.7720+00
32	434.78	1.2189+01	1.9871+00	6.5223-03	1.9871+00	6.5223-03	9.6000-03	1.5142-01	1.3970+05	1.6430-03	2.4660+00
33	441.87	5.3719+00	8.8268-01	2.9136-03	8.8268-01	2.9136-03	4.2884-03	6.7641-02	6.2407+04	7.3415-04	3.0090+00
34	453.64	4.2764+00	6.9789-01	2.3253-03	6.9789-01	2.3253-03	3.4225-03	5.3984-02	4.9807+04	5.8620-04	3.3930+00
35	463.12	4.0073+00	6.3052-01	2.1169-03	6.3052-01	2.1169-03	3.1158-03	4.9146-02	4.5342+04	5.3386-04	3.7770+00
36	439.58	3.9092+01	6.2993+00	2.0755-02	6.2993+00	2.0755-02	3.0549-02	4.8185-01	4.4456+05	5.2294-03	1.3070+00
37	437.40	1.2607+01	2.0834+00	6.8525-03	2.0834+00	6.8525-03	1.0086-02	1.5909-01	1.4678+05	1.7264-03	2.4660+00
38	455.84	4.1922+00	6.8518-01	2.2870-03	6.8518-01	2.2870-03	3.3661-03	5.3094-02	4.8985+04	5.7658-04	3.0090+00
39	464.08	5.5813+00	9.1181-01	3.0637-03	9.1181-01	3.0637-03	4.5093-03	7.1126-02	6.5622+04	7.7265-04	3.3930+00
40	471.79	4.6301+00	7.5344-01	2.5474-03	7.5344-01	2.5474-03	3.7494-03	5.9141-02	5.4564+04	6.4265-04	3.7770+00
41	477.53	3.7683+00	6.0240-01	2.0463-03	6.0240-01	2.0463-03	3.0119-03	4.7507-02	4.3830+04	5.1635-04	4.1620+00
43	457.47	2.8893+00	4.7986-01	1.6038-03	4.7986-01	1.6038-03	2.3605-03	3.7233-02	3.4352+04	4.0436-04	5.3230+00
47	456.20	4.3369+01	7.0048+00	2.3387-02	7.0048+00	2.3387-02	3.4423-02	5.4296-01	5.0094+05	5.8964-03	7.1100-01
48	442.82	4.1590+01	6.7776+00	2.2388-02	6.7776+00	2.2388-02	3.2953-02	5.1977-01	4.7955+05	5.6416-03	1.0880+00
49	437.30	3.5254+01	5.7572+00	1.8935-02	5.7572+00	1.8935-02	2.7869-02	4.3959-01	4.0557+05	4.7703-03	1.3070+00
50	438.98	3.5893+01	5.9033+00	1.9441-02	5.9033+00	1.9441-02	2.8615-02	4.5134-01	4.1641+05	4.8982-03	1.6410+00
51	430.95	2.2866+01	3.7729+00	1.2347-02	3.7729+00	1.2347-02	1.8173-02	2.8664-01	2.6446+05	3.1098-03	1.7720+00
52	439.42	3.3247+00	5.5181-01	1.8179-03	5.5181-01	1.8179-03	2.6757-03	4.2204-02	3.8938+04	4.5803-04	2.4660+00
53	459.85	8.0847+00	1.3250+00	4.4367-03	1.3250+00	4.4367-03	6.5302-03	1.0300-01	9.5031+04	1.1187-03	3.0090+00
54	473.49	5.8239+00	9.5166-01	3.2221-03	9.5166-01	3.2221-03	4.7424-03	7.4803-02	6.9014+04	8.1290-04	3.3930+00
55	477.19	4.2961+00	6.9090-01	2.3462-03	6.9090-01	2.3462-03	3.4534-03	5.4470-02	5.0255+04	5.9203-04	3.7770+00
56	450.79	9.6655+00	1.4845+00	4.9349-03	1.4845+00	4.9349-03	7.2635-03	1.1457-01	1.0570+05	1.2439-03	4.1100-01
57	450.57	3.4613+01	5.5354+00	1.8398-02	5.5354+00	1.8398-02	2.7079-02	4.2713-01	3.9407+05	4.6375-03	7.1100-01
58	450.68	4.2383+01	6.9444+00	2.3083-02	6.9444+00	2.3083-02	3.3975-02	5.3590-01	4.9443+05	5.8185-03	1.0880+00
59	445.60	4.0067+01	6.5615+00	2.1722-02	6.5615+00	2.1722-02	3.1972-02	5.0430-01	4.6528+05	5.4743-03	1.3070+00
60	442.15	3.8891+01	6.3727+00	2.1040-02	6.3727+00	2.1040-02	3.0968-02	4.8846-01	4.5066+05	5.3016-03	1.6410+00
61	459.36	3.6151+00	5.9049-01	1.9765-03	5.9049-01	1.9765-03	2.9091-03	4.5886-02	4.2335+04	4.9837-04	3.0090+00
62	471.77	3.7803+00	6.1701-01	2.0861-03	6.1701-01	2.0861-03	3.0705-03	4.8431-02	4.4683+04	5.2627-04	3.3930+00
63	475.07	3.6151+00	5.8056-01	1.9681-03	5.8056-01	1.9681-03	2.8968-03	4.5692-02	4.2156+04	4.9658-04	3.7770+00
64	446.06	3.2736+01	5.4583+00	1.8077-02	5.4583+00	1.8077-02	2.6607-02	4.1967-01	3.8713+05	4.5557-03	1.0880+00
65	443.62	3.7519+01	6.2454+00	2.0643-02	6.2454+00	2.0643-02	3.0384-02	4.7926-01	4.4217+05	5.2020-03	1.3070+00
66	440.14	3.6780+01	6.1076+00	2.0132-02	6.1076+00	2.0132-02	2.9632-02	4.6739-01	4.3122+05	5.0726-03	1.6410+00
69	445.06	9.9346+00	1.6553+00	5.4778-03	1.6553+00	5.4778-03	8.0626-03	1.2717-01	1.1733+05	1.3805-03	4.1100-01
70	449.05	3.3633+01	5.6195+00	1.8655-02	5.6195+00	1.8655-02	2.7458-02	4.3309-01	3.9958+05	4.7020-03	7.1100-01
71	447.13	3.8108+01	6.3403+00	2.1016-02	6.3403+00	2.1016-02	3.0932-02	4.8790-01	4.5014+05	5.2965-03	1.3070+00
72	441.84	3.5405+01	5.8862+00	1.9429-02	5.8862+00	1.9429-02	2.8596-02	4.5105-01	4.1615+05	4.8956-03	1.6410+00
73	458.39	3.7148+00	6.0090-01	2.0098-03	6.0090-01	2.0098-03	2.9581-03	4.6659-02	4.3048+04	5.0675-04	3.7770+00
74	443.36	2.4093+00	3.9161-01	1.2941-03	3.9161-01	1.2941-03	1.9048-03	3.0045-02	2.7720+04	3.2611-04	5.3230+00
77	432.66	5.9787+00	9.7899-01	3.2080-03	9.7899-01	3.2080-03	4.7218-03	7.4478-02	6.8714+04	8.0806-04	3.0090+00
78	448.38	5.0649+00	8.2856-01	2.7491-03	8.2856-01	2.7491-03	4.0463-03	6.3824-02	5.8884+04	6.9289-04	3.3930+00
79	462.63	4.2047+00	6.8209-01	2.2891-03	6.8209-01	2.2891-03	3.3693-03	5.3144-02	4.9032+04	5.7728-04	3.7770+00
80	428.11	1.0355+01	1.7102+00	5.5840-03	1.7102+00	5.5840-03	8.2190-03	1.2964-01	1.1961+05	1.4063-03	2.4660+00
81	436.94	5.0488+00	8.2920-01	2.7264-03	8.2920-01	2.7264-03	4.0129-03	6.3296-02	5.8397+04	6.8685-04	3.0090+00
82	449.83	5.1792+00	8.5063-01	2.8256-03	8.5063-01	2.8256-03	4.1589-03	6.5598-02	6.0522+04	7.1220-04	3.3930+00
83	461.93	4.1002+00	6.7292-01	2.2571-03	6.7292-01	2.2571-03	3.3221-03	5.2401-02	4.8346+04	5.6919-04	3.7770+00
337	471.91	1.1889+01	2.2121+00	7.4799-03	2.2121+00	7.4799-03	1.1009-02	1.7365-01	1.6022+05	1.8870-03	7.1680+00
339	466.45	6.4374+00	1.2188+00	4.1031-03	1.2188+00	4.1031-03	6.0392-03	9.5257-02	8.7885+04	1.0349-03	8.1130+00
340	465.32	2.2919+00	4.2455-01	1.4279-03	4.2455-01	1.4279-03	2.1017-03	3.3151-02	3.0585+04	3.6014-04	8.6180+00
342	464.81	1.2799+01	2.4459+00	8.2229-03	2.4459+00	8.2229-03	1.2103-02	1.9090-01	1.7613+05	2.0739-03	7.1680+00
344	457.33	7.7231+00	1.4609+00	4.8819-03	1.4609+00	4.8819-03	7.1854-03	1.1334-01	1.0457+05	1.2309-03	8.1130+00
347	465.52	1.0315+01	1.9111+00	6.4286-03	1.9111+00	6.4286-03	9.4621-03	1.4925-01	1.3770+05	1.6214-03	7.1680+00
349	452.66	6.3589+00	1.1959+00	3.9815-03	1.1959+00	3.9815-03	5.8602-03	9.2434-02	8.5281+04	1.0037-03	8.1130+00
350	445.14	2.0171+00	3.4792-01	1.1514-03	3.4792-01	1.1514-03	1.6947-03	2.6730-02	2.4662+04	2.9016-04	8.6180+00
352	465.47	1.0596+01	1.9159+00	6.4445-03	1.9159+00	6.4445-03	9.4854-03	1.4962-01	1.3804+05	1.6254-03	7.1680+00
354	456.58	6.0525+00	1.1383+00	3.8018-03	1.1383+00	3.8018-03	5.5957-03	8.8262-02	8.1431+04	9.5851-04	8.1130+00
357	471.50	9.2260+00	1.6703+00	5.6461-03	1.6703+00	5.6461-03	8.3103-03	1.3108-01	1.2094+05	1.4244-03	7.1680+00
359	466.32	5.3626+00	9.4896-01	3.1943-03	9.4896-01	3.1943-03	4.7015-03	7.4158-02	6.8419+04	8.0566-04	8.1130+00
401	450.56	2.9690+01	2.4539+00	8.1561-03	2.4539+00	8.1561-03	1.2005-02	1.8935-01	1.7470+05	2.0558-03	4.5500-01
403	460.82	6.5653+01	5.3995+00	1.8095-02	5.3995+00	1.8095-02	2.6633-02	4.2008-01	3.8757+05	4.5628-03	6.8600-01
404	465.82	7.5037+01	6.2292+00	2.0960-02	6.2292+00	2.0960-02	3.0850-02	4.8660-01	4.4894+05	5.2863-03	8.0100-01
405	471.97	8.4537+01	7.0048+00	2.3687-02	7.0048+00	2.3687-02	3.4864-02	5.4992-01	5.0736+05	5.9757-03	1.0510+00
406	459.42	7.1915+01	5.9443+00	1.9898-02	5.9443+00	1.9898-02	2.9287-02	4.6195-01	4.2620+05	5.0173-03	1.1670+00
407	463.38	8.1041+01	6.8366+00	2.2958-02	6.8366+00	2.2958-02	3.3791-02	5.3299-01	4.9174+05	5.7897-03	1.2830+00
408	448.11	3.2411+01	2.6109+00	8.6610-03	2.6109+00	8.6610-03	1.2748-02	2.0107-01	1.8551+05	2.1829-03	5.1300-01
409	449.72	2.6360+01	2.1645+00	7.1894-03	2.1645+00	7.1894-03	1.0582-02	1.6691-01	1.5399+05	1.8121-03	5.7000-01
410	449.34	3.0134+01	2.3854+00	7.9205-03	2.3854+00	7.9205-03	1.1658-02	1.8388-01	1.6965+05	1.9964-03	6.2800-01
411	459.11	3.5807+01	2.9591+00	9.9028-03	2.9591+00	9.9028-03	1.4576-02	2.2990-01	2.1211+05	2.4970-03	6.8600-01
412	466.26	3.6410+01	3.0054+00	1.0116-02	3.0054+00	1.0116-02	1.4889-02	2.3485-01	2.1668+05	2.5514-03	7.4400-01
413	462.13	4.4034+01	3.6681+00	1.2305-02	3.6681+00	1.2305-02	1.8112-02	2.8568-01	2.6357+05	3.1032-03	8.0100-01
414	456.60	5.0117+01	4.1100+00	1.3727-02	4.1100+00	1.3727-02	2.0204-02	3.1868-01	2.9402+05	3.4608-03	8.5900-01
415	475.39	6.2185+01	5.1953+00	1.7617-02	5.1953+00	1.7617-02	2.5930-02	4.0900-01	3.7735+05	4.4450-03	9.1700-01
416	455.31	3.7450+01	2.8664+00	9.5634-03	2.8664+00	9.5634-03	1.4076-02	2.2202-01	2.0484+05	2.4110-03	5.7000-01
417	463.97	6.3759+01	5.2549+00	1.7655-02	5.2549+00	1.7655-02	2.5986-02	4.0988-01	3.7816+05	4.4525-03	1.0520+00

8 1 11.98 -.02 .00 -.00 402 11 2.40 10.04 206.7 1644.4

8.04407+01 4.58922-03 3.23676-01 4.41134+03 4.78658-06 6.51569-08 2.71874-02 7.72000+00 6.69186-06 7.51676-02

1	448.45	1.0280+01	1.7169+00	5.6969-03	1.7169+00	5.6969-03	8.3857-03	1.3226-01	1.2201+05	1.4357-03	4.1100-01
2	453.35	4.5147+01	7.5655+00	2.5202-02	7.5655+00	2.5202-02	3.7096-02	5.8508-01	5.3974+05	6.3522-03	7.1100-01
3	439.79	3.6656+01	6.0856+00	2.0054-02	6.0856+00	2.0054-02	2.9519-02	4.6558-01	4.2950+05	5.0521-03	1.3070+00
4	433.18	3.5237+01	5.8232+00	1.9090-02	5.8232+00	1.9090-02	2.8100-02	4.4319-01	4.0884+05	4.8079-03	1.6410+00
5	423.53	2.1346+01	3.6675+00	1.1932-02	3.6675+00	1.1932-02	1.7564-02	2.7702-01	2.5555+05	3.0042-03	1.7720+00
6	428.99	1.0863+01	1.7637+00	5.7628-03	1.7637+00	5.7628-03	8.4827-03	1.3379-01	1.2342+05	1.4512-03	2.4660+00
7	435.70	4.5668+00	7.4274-01	2.4397-03	7.4274-01	2.4397-03	3.5912-03	5.6640-02	5.2250+04	6.1452-04	3.0090+00
8	447.16	4.6488+00	7.5532-01	2.5037-03	7.5532-01	2.5037-03	3.6853-03	5.8125-02	5.3620+04	6.3091-04	3.3930+00
9	460.16	3.8488+00	6.3091-01	2.1132-03	6.3091-01	2.1132-03	3.1105-03	4.9059-02	4.5257+04	5.3277-04	3.7770+00
10	474.99	2.8945+00	4.8065-01	1.6293-03	4.8065-01	1.6293-03	2.3983-03	3.7827-02	3.4895+04	4.1103-04	5.3230+00
14	444.38	3.4203+01	5.6964+00	1.8840-02	5.6964+00	1.8840-02	2.7732-02	4.3739-01	4.0349+05	4.7471-03	1.0880+00
15	439.75	3.7966+01	6.3029+00	2.0770-02	6.3029+00	2.0770-02	3.0572-02	4.8219-01	4.4482+05	5.2323-03	1.3070+00
16	433.55	3.7581+01	6.2121+00	2.0371-02	6.2121+00	2.0371-02	2.9985-02	4.7293-01	4.3627+05	5.1306-03	1.6410+00
19	451.34	8.6213+00	1.3120+00	4.3632-03	1.3120+00	4.3632-03	6.4226-03	1.0130-01	9.3446+04	1.0997-03	4.1100-01
20	459.51	3.8768+01	6.2186+00	2.0818-02	6.2186+00	2.0818-02	3.0643-02	4.8330-01	4.4584+05	5.2485-03	7.1100-01
21	450.07	4.6169+01	7.4712+00	2.4822-02	7.4712+00	2.4822-02	3.6538-02	5.7628-01	5.3161+05	6.2558-03	1.0880+00
22	440.46	4.3100+01	6.9704+00	2.2982-02	6.9704+00	2.2982-02	3.3829-02	5.3355-01	4.9220+05	5.7898-03	1.3070+00
23	431.31	3.6096+01	5.7133+00	1.8702-02	5.7133+00	1.8702-02	2.7529-02	4.3419-01	4.0053+05	4.7099-03	1.6410+00
24	429.39	5.7720+00	9.2627-01	3.0275-03	9.2627-01	3.0275-03	4.4564-03	7.0287-02	6.4839+04	7.6239-04	3.0090+00
25	442.46	5.2613+00	8.3159-01	2.7462-03	8.3159-01	2.7462-03	4.0423-03	6.3756-02	5.8814+04	6.9190-04	3.3930+00
26	454.60	4.3309+00	6.9451-01	2.3158-03	6.9451-01	2.3158-03	3.4088-03	5.3764-02	4.9597+04	5.8375-04	3.7770+00
27	464.24	5.1739+01	8.3258+00	2.7978-02	8.3258+00	2.7978-02	4.1183-02	6.4954-01	5.9919+05	7.0550-03	7.1100-01
28	451.97	4.5270+01	7.3352+00	2.4408-02	7.3352+00	2.4408-02	3.5927-02	5.6665-01	5.2273+05	6.1517-03	1.0880+00
29	446.31	4.0113+01	6.5723+00	2.1770-02	6.5723+00	2.1770-02	3.2045-02	5.0542-01	4.6625+05	5.4858-03	1.3070+00
30	435.09	3.6389+01	5.9334+00	1.9480-02	5.9334+00	1.9480-02	2.8675-02	4.5226-01	4.1720+05	4.9066-03	1.6410+00
31	423.99	2.2490+01	3.6926+00	1.2018-02	3.6926+00	1.2018-02	1.7691-02	2.7902-01	2.5739+05	3.0258-03	1.7720+00
32	437.63	1.1659+01	1.9045+00	6.2653-03	1.9045+00	6.2653-03	9.2223-03	1.4546-01	1.3418+05	1.5782-03	2.4660+00
33	443.15	5.2249+00	8.5929-01	2.8392-03	8.5929-01	2.8392-03	4.1793-03	6.5916-02	6.0807+04	7.1536-04	3.0090+00
34	454.70	4.3070+00	7.0340-01	2.3457-03	7.0340-01	2.3457-03	3.4527-03	5.4457-02	5.0236+04	5.9127-04	3.3930+00
35	464.04	3.7252+00	5.8650-01	1.9706-03	5.8650-01	1.9706-03	2.9006-03	4.5748-02	4.2203+04	4.9690-04	3.7770+00
36	450.72	4.2658+01	6.9269+00	2.3026-02	6.9269+00	2.3026-02	3.3893-02	5.3457-01	4.9313+05	5.8032-03	1.3070+00
37	440.39	1.2635+01	2.0924+00	6.8984-03	2.0924+00	6.8984-03	1.0154-02	1.6015-01	1.4774+05	1.7379-03	2.4660+00
38	456.49	3.0816+00	5.0388-01	1.6827-03	5.0388-01	1.6827-03	2.4769-03	3.9066-02	3.6038+04	4.2419-04	3.0090+00
39	465.34	5.2327+00	8.5559-01	2.8777-03	8.5559-01	2.8777-03	4.2359-03	6.6808-02	6.1630+04	7.2568-04	3.3930+00
40	472.86	4.5278+00	7.3731-01	2.4950-03	7.3731-01	2.4950-03	3.6726-03	5.7925-02	5.3435+04	6.2937-04	3.7770+00
41	478.36	3.6488+00	5.8362-01	1.9839-03	5.8362-01	1.9839-03	2.9202-03	4.6057-02	4.2487+04	5.0054-04	4.1620+00
43	458.07	2.6452+00	4.3949-01	1.4696-03	4.3949-01	1.4696-03	2.1631-03	3.4117-02	3.1473+04	3.7048-04	5.3230+00
47	468.92	4.9770+01	8.1081+00	2.7350-02	8.1081+00	2.7350-02	4.0258-02	6.3496-01	5.8574+05	6.8979-03	7.1100-01
48	454.49	4.5754+01	7.5161+00	2.5060-02	7.5161+00	2.5060-02	3.6887-02	5.8179-01	5.3670+05	6.3168-03	1.0880+00
49	446.95	3.8935+01	6.4010+00	2.1214-02	6.4010+00	2.1214-02	3.1226-02	4.9250-01	4.5433+05	5.3457-03	1.3070+00
50	447.61	3.5131+01	5.8126+00	1.9274-02	5.8126+00	1.9274-02	2.8371-02	4.4746-01	4.1278+05	4.8570-03	1.6410+00
51	436.30	2.2183+01	3.6739+00	1.2074-02	3.6739+00	1.2074-02	1.7772-02	2.8030-01	2.5858+05	3.0412-03	1.7720+00
52	440.01	2.5927+00	4.3051-01	1.4189-03	4.3051-01	1.4189-03	2.0886-03	3.2942-02	3.0389+04	3.5746-04	2.4660+00
53	461.88	8.3044+00	1.3629+00	4.5711-03	1.3629+00	4.5711-03	6.7285-03	1.0612-01	9.7897+04	1.1525-03	3.0090+00
54	474.87	5.6738+00	9.2798-01	3.1454-03	9.2798-01	3.1454-03	4.6300-03	7.3024-02	6.7364+04	7.9350-04	3.3930+00
55	478.19	4.1974+00	6.7547-01	2.2957-03	6.7547-01	2.2957-03	3.3793-03	5.3298-02	4.9167+04	5.7922-04	3.7770+00
56	453.39	1.1121+01	1.7110+00	5.6997-03	1.7110+00	5.6997-03	8.3899-03	1.3233-01	1.2207+05	1.4367-03	4.1100-01
57	460.60	3.9484+01	6.3576+00	2.1301-02	6.3576+00	2.1301-02	3.1355-02	4.9453-01	4.5620+05	5.3707-03	7.1100-01
58	462.24	4.5482+01	7.5107+00	2.5199-02	7.5107+00	2.5199-02	3.7092-02	5.8501-01	5.3967+05	6.3537-03	1.0880+00
59	455.72	4.0868+01	6.7391+00	2.2491-02	6.7391+00	2.2491-02	3.3107-02	5.2216-01	4.8169+05	5.6696-03	1.3070+00
60	451.10	3.6877+01	6.0799+00	2.0217-02	6.0799+00	2.0217-02	2.9758-02	4.6935-01	4.3297+05	5.0952-03	1.6410+00
61	460.13	3.3346+00	5.4495-01	1.8252-03	5.4495-01	1.8252-03	2.6867-03	4.2374-02	3.9090+04	4.6018-04	3.0090+00
62	472.63	3.7101+00	6.0591-01	2.0500-03	6.0591-01	2.0500-03	3.0176-03	4.7593-02	4.3905+04	5.1711-04	3.3930+00
63	475.91	3.5210+00	5.6578-01	1.9193-03	5.6578-01	1.9193-03	2.8252-03	4.4560-02	4.1106+04	4.8421-04	3.7770+00
64	454.11	3.3049+01	5.5410+00	1.8469-02	5.5410+00	1.8469-02	2.7186-02	4.2877-01	3.9554+05	4.6553-03	1.0880+00
65	452.20	3.5642+01	5.9680+00	1.9862-02	5.9680+00	1.9862-02	2.9236-02	4.6112-01	4.2538+05	5.0061-03	1.3070+00
66	448.40	3.4447+01	5.7530+00	1.9088-02	5.7530+00	1.9088-02	2.8097-02	4.4315-01	4.0881+05	4.8104-03	1.6410+00
69	447.63	1.0683+01	1.7832+00	5.9131-03	1.7832+00	5.9131-03	8.7039-03	1.3728-01	1.2664+05	1.4901-03	4.1100-01
70	458.09	3.7057+01	6.2299+00	2.0832-02	6.2299+00	2.0832-02	3.0663-02	4.8363-01	4.4614+05	5.2517-03	7.1100-01
71	455.54	3.5539+01	5.9468+00	1.9844-02	5.9468+00	1.9844-02	2.9210-02	4.6071-01	4.2500+05	5.0023-03	1.3070+00
72	449.67	3.3542+01	5.6075+00	1.8627-02	5.6075+00	1.8627-02	2.7419-02	4.3245-01	3.9894+05	4.6945-03	1.6410+00
73	459.27	3.5896+00	5.8100-01	1.9446-03	5.8100-01	1.9446-03	2.8624-03	4.5145-02	4.1646+04	4.9025-04	3.7770+00
74	443.92	2.3834+00	3.8754-01	1.2813-03	3.8754-01	1.2813-03	1.8860-03	2.9746-02	2.7440+04	3.2283-04	5.3230+00
77	434.05	5.9262+00	9.7134-01	3.1865-03	9.7134-01	3.1865-03	4.6904-03	7.3977-02	6.8243+04	8.0256-04	3.0090+00
78	449.57	4.8738+00	7.9794-01	2.6500-03	7.9794-01	2.6500-03	3.9008-03	6.1523-02	5.6755+04	6.6785-04	3.3930+00
79	463.55	3.8961+00	6.3243-01	2.1240-03	6.3243-01	2.1240-03	3.1265-03	4.9312-02	4.5490+04	5.3559-04	3.7770+00
80	430.71	1.0773+01	1.7824+00	5.8318-03	1.7824+00	5.8318-03	8.5842-03	1.3539-01	1.2490+05	1.4686-03	2.4660+00
81	438.09	4.7907+00	7.8743-01	2.5914-03	7.8743-01	2.5914-03	3.8144-03	6.0162-02	5.5499+04	6.5278-04	3.0090+00
82	450.97	4.5548+00	7.4866-01	2.4891-03	7.4866-01	2.4891-03	3.6639-03	5.7788-02	5.3309+04	6.2734-04	3.3930+00
83	462.79	3.6930+00	6.0644-01	2.0355-03	6.0644-01	2.0355-03	2.9962-03	4.7256-02	4.3593+04	5.1325-04	3.7770+00
337	474.31	1.0496+01	1.9559+00	6.6266-03	1.9559+00	6.6266-03	9.7541-03	1.5384-01	1.4192+05	1.6716-03	7.1680+00
339	467.60	5.1408+00	9.7408-01	3.2822-03	9.7408-01	3.2822-03	4.8313-03	7.6200-02	7.0294+04	8.2777-04	8.1130+00
340	465.61	1.4488+00	2.6843-01	9.0304-04	2.6843-01	9.0304-04	1.3293-03	2.0965-02	1.9340+04	2.2773-04	8.6180+00
342	467.43	1.1109+01	2.1266+00	7.1647-03	2.1266+00	7.1647-03	1.0546-02	1.6634-01	1.5344+05	1.8069-03	7.1680+00
344	458.73	6.0873+00	1.1525+00	3.8558-03	1.1525+00	3.8558-03	5.6757-03	8.9517-02	8.2579+04	9.7209-04	8.1130+00
347	467.69	9.1735+00	1.7020+00	5.7354-03	1.7020+00	5.7354-03	8.4423-03	1.3315-01	1.2283+05	1.4464-03	7.1680+00
349	453.91	5.3761+00	1.0119+00	3.3724-03	1.0119+00	3.3724-03	4.9640-03	7.8293-02	7.2225+04	8.5004-04	8.1130+00
350	445.53	1.6405+00	2.8303-01	9.3695-04	2.8303-01	9.3695-04	1.3792-03	2.1752-02	2.0066+04	2.3609-04	8.6180+00
352	467.97	1.0117+01	1.8324+00	6.1762-03	1.8324+00	6.1762-03	9.0913-03	1.4339-01	1.3227+05	1.5577-03	7.1680+00
354	457.94	5.5449+00	1.0438+00	3.4900-03	1.0438+00	3.4900-03	5.1372-03	8.1024-02	7.4744+04	8.7983-04	8.1130+00
357	473.69	8.9901+00	1.6300+00	5.5196-03	1.6300+00	5.5196-03	8.1247-03	1.2814-01	1.1821+05	1.3924-03	7.1680+00
359	467.58	5.0286+00	8.9061-01	3.0009-03	8.9061-01	3.0009-03	4.4173-03	6.9669-02	6.4270+04	7.5682-04	8.1130+00
401	458.93	3.2027+01	2.6622+00	8.9078-03	2.6622+00	8.9078-03	1.3112-02	2.0680-01	1.9077+05	2.2457-03	4.5500-01
403	479.87	7.1532+01	5.9583+00	2.0279-02	5.9583+00	2.0279-02	2.9850-02	4.7079-01	4.3430+05	5.1167-03	6.8600-01
404	487.23	8.0026+01	6.7382+00	2.3072-02	6.7382+00	2.3072-02	3.3961-02	5.3564-01	4.9412+05	5.8232-03	8.0100-01
405	495.39	8.7423+01	7.3561+00	2.5358-02	7.3561+00	2.5358-02	3.7327-02	5.8872-01	5.4309+05	6.4024-03	1.0510+00
406	481.35	8.3576+01	7.0101+00	2.3887-02	7.0101+00	2.3887-02	3.5161-02	5.5456-01	5.1158+05	6.0275-03	1.1670+00
407	487.78	9.2203+01	7.9050+00	2.7079-02	7.9050+00	2.7079-02	3.9860-02	6.2867-01	5.7995+05	6.8348-03	1.2830+00
408	457.73	3.8387+01	3.1128+00	1.0406-02	3.1128+00	1.0406-02	1.5317-02	2.4157-01	2.2285+05	2.6232-03	5.1300-01
409	456.72	2.9691+01	2.4497+00	8.1823-03	2.4497+00	8.1823-03	1.2044-02	1.8996-01	1.7524+05	2.0627-03	5.7000-01
410	457.67	3.3362+01	2.6560+00	8.8781-03	2.6560+00	8.8781-03	1.3068-02	2.0612-01	1.9014+05	2.2382-03	6.2800-01
411	468.46	3.8127+01	3.1707+00	1.0691-02	3.1707+00	1.0691-02	1.5737-02	2.4821-01	2.2897+05	2.6964-03	6.8600-01
412	476.64	4.1523+01	3.4513+00	1.1715-02	3.4513+00	1.1715-02	1.7245-02	2.7198-01	2.5090+05	2.9556-03	7.4400-01
413	474.14	5.0421+01	4.2341+00	1.4343-02	4.2341+00	1.4343-02	2.1113-02	3.3299-01	3.0718+05	3.6182-03	8.0100-01
414	471.24	5.8735+01	4.8645+00	1.6440-02	4.8645+00	1.6440-02	2.4199-02	3.8166-01	3.5208+05	4.1466-03	8.5900-01
415	492.58	6.8249+01	5.7666+00	1.9833-02	5.7666+00	1.9833-02	2.9193-02	4.6043-01	4.2479+05	5.0067-03	9.1700-01
416	465.58	3.9957+01	3.0796+00	1.0360-02	3.0796+00	1.0360-02	1.5250-02	2.4052-01	2.2188+05	2.6126-03	5.7000-01
417	482.30	7.1755+01	5.9864+00	2.0415-02	5.9864+00	2.0415-02	3.0050-02	4.7395-01	4.3722+05	5.1516-03	1.0520+00

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8 1 11.98 -.02 .00 -.00 402 11 2.65 10.04 206.7 1644.4

8.04407+01 4.58922-03 3.23676-01 4.41134+03 4.78658-06 6.51569-08 2.71874-02 7.72000+00 6.69186-06 7.51676-02

1	451.22	1.1255+01	1.8832+00	6.2607-03	1.8832+00	6.2607-03	9.2155-03	1.4535-01	1.3408+05	1.5784-03	4.1100-01
2	465.49	4.6858+01	7.9170+00	2.6623-02	7.9170+00	2.6623-02	3.9188-02	6.1807-01	5.7017+05	6.7157-03	7.1100-01
3	449.45	3.7386+01	6.2482+00	2.0742-02	6.2482+00	2.0742-02	3.0532-02	4.8155-01	4.4423+05	5.2291-03	1.3070+00
4	442.46	3.5882+01	5.9681+00	1.9702-02	5.9681+00	1.9702-02	2.9001-02	4.5741-01	4.2196+05	4.9656-03	1.6410+00
5	429.13	2.2159+01	3.8224+00	1.2487-02	3.8224+00	1.2487-02	1.8360-02	2.8990-01	2.6743+05	3.1454-03	1.7720+00
6	431.81	1.1465+01	1.8652+00	6.1061-03	1.8652+00	6.1061-03	8.9880-03	1.4176-01	1.3077+05	1.5383-03	2.4660+00
7	436.79	4.5382+00	7.3866-01	2.4276-03	7.3866-01	2.4276-03	3.5734-03	5.6360-02	5.1992+04	6.1170-04	3.0090+00
8	448.29	4.5808+00	7.4484-01	2.4704-03	7.4484-01	2.4704-03	3.6363-03	5.7352-02	5.2907+04	6.2274-04	3.3930+00
9	461.08	3.7377+00	6.1307-01	2.0543-03	6.1307-01	2.0543-03	3.0238-03	4.7692-02	4.3995+04	5.1811-04	3.7770+00
10	475.64	2.7055+00	4.4945-01	1.5239-03	4.4945-01	1.5239-03	2.2431-03	3.5379-02	3.2637+04	3.8457-04	5.3230+00
14	453.42	3.5418+01	5.9355+00	1.9767-02	5.9355+00	1.9767-02	2.9096-02	4.5890-01	4.2334+05	4.9839-03	1.0880+00
15	449.69	3.8760+01	6.4790+00	2.1512-02	6.4790+00	2.1512-02	3.1665-02	4.9943-01	4.6072+05	5.4232-03	1.3070+00
16	443.44	3.8180+01	6.3547+00	2.0995-02	6.3547+00	2.0995-02	3.0904-02	4.8742-01	4.4964+05	5.2915-03	1.6410+00
19	453.59	9.0977+00	1.3866+00	4.6183-03	1.3866+00	4.6183-03	6.7980-03	1.0722-01	9.8908+04	1.1644-03	4.1100-01
20	469.91	4.0464+01	6.5362+00	2.2059-02	6.5362+00	2.2059-02	3.2470-02	5.1211-01	4.7242+05	5.5654-03	7.1100-01
21	462.17	4.7276+01	7.7134+00	2.5869-02	7.7134+00	2.5869-02	3.8078-02	6.0057-01	5.5402+05	6.5247-03	1.0880+00
22	451.83	4.4169+01	7.1993+00	2.3945-02	7.1993+00	2.3945-02	3.5246-02	5.5591-01	5.1282+05	6.0370-03	1.3070+00
23	440.93	3.7189+01	5.9259+00	1.9540-02	5.9259+00	1.9540-02	2.8762-02	4.5363-01	4.1847+05	4.9242-03	1.6410+00
24	430.85	5.8336+00	9.3716-01	3.0656-03	9.3716-01	3.0656-03	4.5125-03	7.1172-02	6.5656+04	7.7228-04	3.0090+00
25	443.77	5.2265+00	8.2684-01	2.7325-03	8.2684-01	2.7325-03	4.0221-03	6.3437-02	5.8521+04	6.8870-04	3.3930+00
26	455.68	4.3501+00	6.9811-01	2.3291-03	6.9811-01	2.3291-03	3.4283-03	5.4072-02	4.9881+04	5.8730-04	3.7770+00
27	478.23	5.3779+01	8.7351+00	2.9680-02	8.7351+00	2.9680-02	4.3688-02	6.8904-01	6.3564+05	7.4907-03	7.1100-01
28	463.98	4.6704+01	7.6295+00	2.5625-02	7.6295+00	2.5625-02	3.7719-02	5.9490-01	5.4879+05	6.4636-03	1.0880+00
29	456.66	4.0419+01	6.6694+00	2.2269-02	6.6694+00	2.2269-02	3.2779-02	5.1699-01	4.7692+05	5.6155-03	1.3070+00
30	444.50	3.6683+01	6.0206+00	1.9908-02	6.0206+00	1.9908-02	2.9304-02	4.6218-01	4.2636+05	5.0178-03	1.6410+00
31	429.88	2.3155+01	3.8177+00	1.2479-02	3.8177+00	1.2479-02	1.8368-02	2.8971-01	2.6725+05	3.1435-03	1.7720+00
32	440.55	1.1871+01	1.9430+00	6.4046-03	1.9430+00	6.4046-03	9.4274-03	1.4869-01	1.3716+05	1.6140-03	2.4660+00
33	444.46	5.2920+00	8.7110-01	2.8803-03	8.7110-01	2.8803-03	4.2398-03	6.6870-02	6.1687+04	7.2598-04	3.0090+00
34	455.78	4.3855+00	7.1674-01	2.3914-03	7.1674-01	2.3914-03	3.5201-03	5.5520-02	5.1217+04	6.0303-04	3.3930+00
35	464.97	3.6925+00	5.8171-01	1.9553-03	5.8171-01	1.9553-03	2.8782-03	4.5394-02	4.1876+04	4.9323-04	3.7770+00
36	461.50	4.1925+01	6.8580+00	2.2987-02	6.8580+00	2.2987-02	3.3837-02	5.3367-01	4.9231+05	5.7978-03	1.3070+00
37	443.73	1.3165+01	2.1852+00	7.2214-03	2.1852+00	7.2214-03	1.0630-02	1.6765-01	1.5466+05	1.8201-03	2.4660+00
38	457.27	3.1008+00	5.0729-01	1.6946-03	5.0729-01	1.6946-03	2.4944-03	3.9342-02	3.6293+04	4.2734-04	3.0090+00
39	466.71	5.2457+00	8.5850-01	2.8898-03	8.5850-01	2.8898-03	4.2536-03	6.7089-02	6.1889+04	7.2900-04	3.3930+00
40	474.05	4.6494+00	7.5771-01	2.5657-03	7.5771-01	2.5657-03	3.7767-03	5.9566-02	5.4949+04	6.4744-04	3.7770+00
41	479.32	3.7818+00	6.0528-01	2.0584-03	6.0528-01	2.0584-03	3.0299-03	4.7788-02	4.4084+04	5.1934-04	4.1620+00
43	458.76	2.7075+00	4.5006-01	1.5052-03	4.5006-01	1.5052-03	2.2157-03	3.4946-02	3.2237+04	3.7961-04	5.3230+00
47	481.97	5.0345+01	8.2729+00	2.8195-02	8.2729+00	2.8195-02	4.1503-02	6.5458-01	6.0385+05	7.1171-03	7.1100-01
48	466.26	4.5729+01	7.5721+00	2.5479-02	7.5721+00	2.5479-02	3.7504-02	5.9152-01	5.4567+05	6.4274-03	1.0880+00
49	457.08	3.9572+01	6.5509+00	2.1880-02	6.5509+00	2.1880-02	3.2207-02	5.0797-01	4.6860+05	5.5176-03	1.3070+00
50	456.59	3.5029+01	5.8313+00	1.9469-02	5.8313+00	1.9469-02	2.8658-02	4.5199-01	4.1696+05	4.9095-03	1.6410+00
51	442.06	2.2238+01	3.6978+00	1.2204-02	3.6978+00	1.2204-02	1.7963-02	2.8332-01	2.6136+05	3.0756-03	1.7720+00
52	440.67	2.6525+00	4.4063-01	1.4526-03	4.4063-01	1.4526-03	2.1382-03	3.3723-02	3.1109+04	3.6606-04	2.4660+00
53	464.03	8.4042+00	1.3812+00	4.6392-03	1.3812+00	4.6392-03	6.8268-03	1.0770-01	9.9357+04	1.1702-03	3.0090+00
54	476.31	5.7325+00	9.3848-01	3.1837-03	9.3848-01	3.1837-03	4.6863-03	7.3913-02	6.8184+04	8.0346-04	3.3930+00
55	479.26	4.2514+00	6.8465-01	2.3282-03	6.8465-01	2.3282-03	3.4271-03	5.4052-02	4.9863+04	5.8764-04	3.7770+00
56	456.43	1.1475+01	1.7692+00	5.9062-03	1.7692+00	5.9062-03	8.6938-03	1.3712-01	1.2649+05	1.4894-03	4.1100-01
57	471.03	4.0022+01	6.4894+00	2.1920-02	6.4894+00	2.1920-02	3.2266-02	5.0890-01	4.6946+05	5.5308-03	7.1100-01
58	473.94	4.5423+01	7.5600+00	2.5597-02	7.5600+00	2.5597-02	3.7678-02	5.9426-01	5.4820+05	6.4592-03	1.0880+00
59	466.25	4.0844+01	6.7832+00	2.2824-02	6.7832+00	2.2824-02	3.3597-02	5.2989-01	4.8882+05	5.7577-03	1.3070+00
60	460.54	3.6767+01	6.1009+00	2.0434-02	6.1009+00	2.0434-02	3.0078-02	4.7440-01	4.3763+05	5.1536-03	1.6410+00
61	461.00	3.4229+00	5.5971-01	1.8754-03	5.5971-01	1.8754-03	2.7605-03	4.3538-02	4.0164+04	4.7299-04	3.0090+00
62	473.62	3.8073+00	6.2218-01	2.1061-03	6.2218-01	2.1061-03	3.1001-03	4.8895-02	4.5105+04	5.3145-04	3.3930+00
63	476.85	3.5880+00	5.7690-01	1.9580-03	5.7690-01	1.9580-03	2.8821-03	4.5456-02	4.1933+04	4.9413-04	3.7770+00
64	462.65	3.3473+01	5.6447+00	1.8938-02	5.6447+00	1.8938-02	2.7876-02	4.3967-01	4.0559+05	4.7767-03	1.0880+00
65	461.32	3.5637+01	6.0042+00	2.0123-02	6.0042+00	2.0123-02	2.9620-02	4.6717-01	4.3096+05	5.0753-03	1.3070+00
66	457.24	3.4495+01	5.7958+00	1.9361-02	5.7958+00	1.9361-02	2.8498-02	4.4948-01	4.1464+05	4.8823-03	1.6410+00
69	450.50	1.1521+01	1.9268+00	6.4018-03	1.9268+00	6.4018-03	9.4232-03	1.4862-01	1.3710+05	1.6139-03	4.1100-01
70	467.88	3.8331+01	6.4867+00	2.1855-02	6.4867+00	2.1855-02	3.2170-02	5.0739-01	4.6806+05	5.5136-03	7.1100-01
71	464.66	3.5738+01	6.0172+00	2.0221-02	6.0172+00	2.0221-02	2.9764-02	4.6944-01	4.3306+05	5.1006-03	1.3070+00
72	458.46	3.3742+01	5.6740+00	1.8972-02	5.6740+00	1.8972-02	2.7927-02	4.4046-01	4.0632+05	4.7845-03	1.6410+00
73	460.19	3.7127+00	6.0130-01	2.0134-03	6.0130-01	2.0134-03	2.9636-03	4.6743-02	4.3120+04	5.0778-04	3.7770+00
74	444.56	2.4779+00	4.0309-01	1.3329-03	4.0309-01	1.3329-03	1.9620-03	3.0945-02	2.8547+04	3.3596-04	5.3230+00
77	435.60	6.1553+00	1.0100+00	3.3162-03	1.0100+00	3.3162-03	4.8814-03	7.6990-02	7.1073+04	8.3556-04	3.0090+00
78	450.83	4.6930+00	7.6900-01	2.5557-03	7.6900-01	2.5557-03	3.7619-03	5.9332-02	5.4734+04	6.4431-04	3.3930+00
79	464.56	3.9065+00	6.3454-01	2.1322-03	6.3454-01	2.1322-03	3.1385-03	4.9501-02	4.5664+04	5.3784-04	3.7770+00
80	433.52	1.1375+01	1.8857+00	6.1816-03	1.8857+00	6.1816-03	9.0992-03	1.4351-01	1.3239+05	1.5574-03	2.4660+00
81	439.31	4.8421+00	7.9656-01	2.6231-03	7.9656-01	2.6231-03	3.8612-03	6.0899-02	5.6179+04	6.6102-04	3.0090+00
82	452.11	4.4769+00	7.3643-01	2.4499-03	7.3643-01	2.4499-03	3.6062-03	5.6877-02	5.2469+04	6.1768-04	3.3930+00
83	463.75	3.7226+00	6.1169-01	2.0541-03	6.1169-01	2.0541-03	3.0235-03	4.7688-02	4.3991+04	5.1812-04	3.7770+00
337	477.04	1.0727+01	2.0026+00	6.7977-03	2.0026+00	6.7977-03	1.0006-02	1.5781-01	1.4558+05	1.7155-03	7.1680+00
339	468.87	5.0566+00	9.5894-01	3.2335-03	9.5894-01	3.2335-03	4.7596-03	7.5069-02	6.9251+04	8.1579-04	8.1130+00
340	465.92	1.3740+00	2.5463-01	8.5654-04	2.5463-01	8.5654-04	1.2608-03	1.9885-02	1.8344+04	2.1607-04	8.6180+00
342	470.23	1.1185+01	2.1452+00	7.2416-03	2.1452+00	7.2416-03	1.0659-02	1.6812-01	1.5509+05	1.8271-03	7.1680+00
344	460.22	5.9927+00	1.1358+00	3.8031-03	1.1358+00	3.8031-03	5.5981-03	8.8294-02	8.1450+04	9.5917-04	8.1130+00
347	470.01	9.1486+00	1.7000+00	5.7376-03	1.7000+00	5.7376-03	8.4456-03	1.3320-01	1.2288+05	1.4476-03	7.1680+00
349	455.27	5.3299+00	1.0042+00	3.3490-03	1.0042+00	3.3490-03	4.9297-03	7.7751-02	7.1725+04	8.4448-04	8.1130+00
350	445.89	1.5652+00	2.7011-01	8.9414-04	2.7011-01	8.9414-04	1.3161-03	2.0758-02	1.9149+04	2.2538-04	8.6180+00
352	470.51	1.0009+01	1.8159+00	6.1314-03	1.8159+00	6.1314-03	9.0252-03	1.4235-01	1.3131+05	1.5470-03	7.1680+00
354	459.32	5.4182+00	1.0209+00	3.4161-03	1.0209+00	3.4161-03	5.0284-03	7.9308-02	7.3161+04	8.6152-04	8.1130+00
357	475.95	9.1803+00	1.6670+00	5.6534-03	1.6670+00	5.6534-03	8.3216-03	1.3125-01	1.2108+05	1.4267-03	7.1680+00
359	468.79	4.9475+00	8.7696-01	2.9569-03	8.7696-01	2.9569-03	4.3524-03	6.8647-02	6.3326+04	7.4599-04	8.1130+00
401	467.15	3.1536+01	2.6359+00	8.8756-03	2.6359+00	8.8756-03	1.3065-02	2.0606-01	1.9008+05	2.2391-03	4.5500-01
403	498.03	6.8324+01	5.7589+00	1.9889-02	5.7589+00	1.9889-02	2.9276-02	4.6175-01	4.2596+05	5.0238-03	6.8600-01
404	507.30	7.6016+01	6.4839+00	2.2567-02	6.4839+00	2.2567-02	3.3218-02	5.2392-01	4.8331+05	5.7023-03	8.0100-01
405	516.93	8.2392+01	7.0285+00	2.4662-02	7.0285+00	2.4662-02	3.6302-02	5.7256-01	5.2818+05	6.2341-03	1.0510+00
406	502.93	8.1966+01	6.9719+00	2.4177-02	6.9719+00	2.4177-02	3.5588-02	5.6130-01	5.1779+05	6.1081-03	1.1670+00
407	511.28	8.9074+01	7.7529+00	2.7074-02	7.7529+00	2.7074-02	3.9853-02	6.2856-01	5.7984+05	6.8423-03	1.2830+00
408	467.90	4.0208+01	3.2828+00	1.1061-02	3.2828+00	1.1061-02	1.6281-02	2.5679-01	2.3688+05	2.7904-03	5.1300-01
409	464.72	3.2283+01	2.6780+00	8.9998-03	2.6780+00	8.9998-03	1.3247-02	2.0894-01	1.9275+05	2.2702-03	5.7000-01
410	466.43	3.4792+01	2.7863+00	9.3765-03	2.7863+00	9.3765-03	1.3802-02	2.1769-01	2.0081+05	2.3654-03	6.2800-01
411	478.32	3.9394+01	3.2976+00	1.1205-02	3.2976+00	1.1205-02	1.6494-02	2.6014-01	2.3998+05	2.8281-03	6.8600-01
412	487.57	4.3502+01	3.6419+00	1.2469-02	3.6419+00	1.2469-02	1.8355-02	2.8949-01	2.6705+05	3.1483-03	7.4400-01
413	487.93	5.4576+01	4.6247+00	1.5839-02	4.6247+00	1.5839-02	2.3315-02	3.6772-01	3.3922+05	3.9992-03	8.0100-01
414	487.09	6.1861+01	5.1772+00	1.7719-02	5.1772+00	1.7719-02	2.6082-02	4.1136-01	3.7948+05	4.4736-03	8.5900-01
415	510.41	6.9017+01	5.8985+00	2.0583-02	5.8985+00	2.0583-02	3.0298-02	4.7787-01	4.4083+05	5.2017-03	9.1700-01
416	475.74	4.0022+01	3.1056+00	1.0531-02	3.1056+00	1.0531-02	1.5501-02	2.4448-01	2.2553+05	2.6575-03	5.7000-01
417	501.12	7.3192+01	6.1813+00	2.1403-02	6.1813+00	2.1403-02	3.1505-02	4.9690-01	4.5839+05	5.4069-03	1.0520+00

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8.04587+01 4.58909-03 3.23666-01 4.41183+03 4.78537-06 6.51715-08 2.71775-02 7.72000+00 6.69358-06 7.51652-02

1	457.15	1.2479+01	2.0967+00	7.0033-03	2.0967+00	7.0033-03	1.0310-02	1.6259-01	1.4995+05	1.7655-03	4.1100-01
2	488.28	4.3904+01	7.5306+00	2.5799-02	7.5306+00	2.5799-02	3.7981-02	5.9895-01	5.5238+05	6.5120-03	7.1100-01
3	467.68	3.5500+01	6.0068+00	2.0235-02	6.0068+00	2.0235-02	2.9790-02	4.6978-01	4.3325+05	5.1034-03	1.3070+00
4	459.92	3.3631+01	5.6609+00	1.8951-02	5.6609+00	1.8951-02	2.7899-02	4.3996-01	4.0576+05	4.7781-03	1.6410+00
5	440.18	2.1442+01	3.7272+00	1.2282-02	3.7272+00	1.2282-02	1.8082-02	2.8515-01	2.6298+05	3.0944-03	1.7720+00
6	437.73	1.1915+01	1.9464+00	6.4016-03	1.9464+00	6.4016-03	9.4242-03	1.4862-01	1.3706+05	1.6126-03	2.4660+00
7	439.08	4.5829+00	7.4712-01	2.4599-03	7.4712-01	2.4599-03	3.6214-03	5.7109-02	5.2669+04	6.1970-04	3.0090+00
8	450.57	4.2244+00	6.8797-01	2.2859-03	6.8797-01	2.2859-03	3.3652-03	5.3069-02	4.8943+04	5.7612-04	3.3930+00
9	462.94	3.5777+00	5.8756-01	1.9717-03	5.8756-01	1.9717-03	2.9027-03	4.5776-02	4.2217+04	4.9719-04	3.7770+00
10	476.97	2.6047+00	4.3309-01	1.4700-03	4.3309-01	1.4700-03	2.1641-03	3.4127-02	3.1474+04	3.7088-04	5.3230+00
14	470.95	3.4579+01	5.8638+00	1.9806-02	5.8638+00	1.9806-02	2.9158-02	4.5981-01	4.2407+05	4.9958-03	1.0880+00
15	468.69	3.7167+01	6.2932+00	2.1217-02	6.2932+00	2.1217-02	3.1235-02	4.9257-01	4.5428+05	5.3513-03	1.3070+00
16	461.97	3.6055+01	6.0773+00	2.0378-02	6.0773+00	2.0378-02	3.0001-02	4.7310-01	4.3632+05	5.1384-03	1.6410+00
19	458.22	9.6670+00	1.4780+00	4.9410-03	1.4780+00	4.9410-03	7.2741-03	1.1471-01	1.0579+05	1.2457-03	4.1100-01
20	489.95	3.8975+01	6.3793+00	2.1885-02	6.3793+00	2.1885-02	3.2219-02	5.0808-01	4.6858+05	5.5244-03	7.1100-01
21	485.56	4.5546+01	7.5475+00	2.5799-02	7.5475+00	2.5799-02	3.7981-02	5.9895-01	5.5239+05	6.5113-03	1.0880+00
22	473.43	4.2158+01	6.9723+00	2.3598-02	6.9723+00	2.3598-02	3.4740-02	5.4784-01	5.0525+05	5.9528-03	1.3070+00
23	459.16	3.5724+01	5.7640+00	1.9284-02	5.7640+00	1.9284-02	2.8390-02	4.4770-01	4.1290+05	4.8620-03	1.6410+00
24	433.77	5.8821+00	9.4686-01	3.1045-03	9.4686-01	3.1045-03	4.5704-03	7.2074-02	6.6471+04	7.8193-04	3.0090+00
25	446.35	5.1922+00	8.2287-01	2.7249-03	8.2287-01	2.7249-03	4.0116-03	6.3262-02	5.8344+04	6.8667-04	3.3930+00
26	457.85	4.2738+00	6.8686-01	2.2956-03	6.8686-01	2.2956-03	3.3795-03	5.3294-02	4.9151+04	5.7873-04	3.7770+00
27	504.42	5.0810+01	8.3944+00	2.9146-02	8.3944+00	2.9146-02	4.2909-02	6.7666-01	6.2406+05	7.3617-03	7.1100-01
28	487.01	4.4772+01	7.4263+00	2.5415-02	7.4263+00	2.5415-02	3.7416-02	5.9004-01	5.4417+05	6.4148-03	1.0880+00
29	476.27	3.8794+01	6.4860+00	2.2003-02	6.4860+00	2.2003-02	3.2392-02	5.1081-01	4.7110+05	5.5511-03	1.3070+00
30	462.50	3.5165+01	5.8428+00	1.9600-02	5.8428+00	1.9600-02	2.8855-02	4.5504-01	4.1967+05	4.9423-03	1.6410+00
31	441.36	2.2455+01	3.7320+00	1.2310-02	3.7320+00	1.2310-02	1.8122-02	2.8578-01	2.6356+05	3.1014-03	1.7720+00
32	446.57	1.1940+01	1.9624+00	6.4997-03	1.9624+00	6.4997-03	9.5687-03	1.5090-01	1.3917+05	1.6379-03	2.4660+00
33	447.12	5.2556+00	8.6670-01	2.8718-03	8.6670-01	2.8718-03	4.2279-03	6.6673-02	6.1489+04	7.2371-04	3.0090+00
34	458.00	4.3195+00	7.0702-01	2.3632-03	7.0702-01	2.3632-03	3.4791-03	5.4864-02	5.0599+04	5.9579-04	3.3930+00
35	466.79	3.5569+00	5.6103-01	1.8886-03	5.6103-01	1.8886-03	2.7803-03	4.3845-02	4.0437+04	4.7630-04	3.7770+00
36	481.53	3.9279+01	6.5116+00	2.2184-02	6.5116+00	2.2184-02	3.2660-02	5.1503-01	4.7499+05	5.5981-03	1.3070+00
37	450.25	1.3080+01	2.1808+00	7.2443-03	2.1808+00	7.2443-03	1.0665-02	1.6818-01	1.5511+05	1.8258-03	2.4660+00
38	458.78	3.1029+00	5.0815-01	1.6995-03	5.0815-01	1.6995-03	2.5020-03	3.9457-02	3.6389+04	4.2848-04	3.0090+00
39	469.21	4.8701+00	7.9836-01	2.6928-03	7.9836-01	2.6928-03	3.9642-03	6.2515-02	5.7655+04	6.7917-04	3.3930+00
40	476.29	4.5075+00	7.3569-01	2.4957-03	7.3569-01	2.4957-03	3.6741-03	5.7941-02	5.3436+04	6.2965-04	3.7770+00
41	481.20	3.7330+00	5.9820-01	2.0375-03	5.9820-01	2.0375-03	2.9995-03	4.7302-02	4.3625+04	5.1414-04	4.1620+00
43	460.06	2.5984+00	4.3231-01	1.4474-03	4.3231-01	1.4474-03	2.1308-03	3.3602-02	3.0990+04	3.6493-04	5.3230+00
47	506.14	4.7708+01	7.9631+00	2.7689-02	7.9631+00	2.7689-02	4.0763-02	6.4282-01	5.9284+05	6.9940-03	7.1100-01
48	488.29	4.3530+01	7.3137+00	2.5056-02	7.3137+00	2.5056-02	3.6887-02	5.8170-01	5.3648+05	6.3245-03	1.0880+00
49	476.48	3.7854+01	6.3486+00	2.1540-02	6.3486+00	2.1540-02	3.1711-02	5.0007-01	4.6120+05	5.4344-03	1.3070+00
50	473.47	3.3663+01	5.6679+00	1.9184-02	5.6679+00	1.9184-02	2.8242-02	4.4537-01	4.1074+05	4.8393-03	1.6410+00
51	452.63	2.1253+01	3.5597+00	1.1847-02	3.5597+00	1.1847-02	1.7441-02	2.7505-01	2.5366+05	2.9862-03	1.7720+00
52	442.00	2.7382+00	4.5529-01	1.5025-03	4.5529-01	1.5025-03	2.2119-03	3.4882-02	3.2170+04	3.7855-04	2.4660+00
53	468.12	8.1491+00	1.3430+00	4.5257-03	1.3430+00	4.5257-03	6.6626-03	1.0507-01	9.6900+04	1.1414-03	3.0090+00
54	479.15	5.6987+00	9.3470-01	3.1782-03	9.3470-01	3.1782-03	4.6789-03	7.3786-02	6.8050+04	8.0194-04	3.3930+00
55	481.33	4.1548+00	6.7000-01	2.2823-03	6.7000-01	2.2823-03	3.3599-03	5.2986-02	4.8866+04	5.7592-04	3.7770+00
56	462.08	1.2175+01	1.8842+00	6.3188-03	1.8842+00	6.3188-03	9.3023-03	1.4670-01	1.3529+05	1.5933-03	4.1100-01
57	490.35	3.8117+01	6.2596+00	2.1482-02	6.2596+00	2.1482-02	3.1625-02	4.9871-01	4.5994+05	5.4227-03	7.1100-01
58	495.74	4.2956+01	7.2522+00	2.4999-02	7.2522+00	2.4999-02	3.6803-02	5.8038-01	5.3526+05	6.3120-03	1.0880+00
59	485.85	3.8626+01	6.4988+00	2.2220-02	6.4988+00	2.2220-02	3.2711-02	5.1585-01	4.7575+05	5.6080-03	1.3070+00
60	478.19	3.5152+01	5.9020+00	2.0053-02	5.9020+00	2.0053-02	2.9521-02	4.6555-01	4.2935+05	5.0596-03	1.6410+00
61	462.66	3.3164+00	5.4291-01	1.8215-03	5.4291-01	1.8215-03	2.6816-03	4.2288-02	3.9000+04	4.5930-04	3.0090+00
62	475.44	3.6468+00	5.9667-01	2.0227-03	5.9667-01	2.0227-03	2.9778-03	4.6959-02	4.3309+04	5.1030-04	3.3930+00
63	478.59	3.5242+00	5.6728-01	1.9280-03	5.6728-01	1.9280-03	2.8384-03	4.4761-02	4.1281+04	4.8647-04	3.7770+00
64	479.02	3.2701+01	5.5751+00	1.8955-02	5.5751+00	1.8955-02	2.7905-02	4.4006-01	4.0585+05	4.7827-03	1.0880+00
65	478.58	3.4382+01	5.8600+00	1.9917-02	5.8600+00	1.9917-02	2.9321-02	4.6238-01	4.2644+05	5.0253-03	1.3070+00
66	473.89	3.3102+01	5.6243+00	1.9042-02	5.6243+00	1.9042-02	2.8034-02	4.4208-01	4.0771+05	4.8037-03	1.6410+00
69	456.33	1.2465+01	2.0931+00	6.9870-03	2.0931+00	6.9870-03	1.0286-02	1.6221-01	1.4960+05	1.7614-03	4.1100-01
70	486.49	3.6239+01	6.2086+00	2.1239-02	6.2086+00	2.1239-02	3.1267-02	4.9308-01	4.5475+05	5.3606-03	7.1100-01
71	481.93	3.3916+01	5.7764+00	1.9686-02	5.7764+00	1.9686-02	2.8982-02	4.5704-01	4.2151+05	4.9678-03	1.3070+00
72	474.78	3.1941+01	5.4303+00	1.8399-02	5.4303+00	1.8399-02	2.7086-02	4.2715-01	3.9394+05	4.6416-03	1.6410+00
73	462.05	3.6062+00	5.8478-01	1.9610-03	5.8478-01	1.9610-03	2.8870-03	4.5527-02	4.1987+04	4.9447-04	3.7770+00
74	445.72	2.3122+00	3.7643-01	1.2459-03	3.7643-01	1.2459-03	1.8342-03	2.8926-02	2.6677+04	3.1396-04	5.3230+00
77	438.63	5.9512+00	9.7855-01	3.2207-03	9.7855-01	3.2207-03	4.7415-03	7.4772-02	6.8959+04	8.1135-04	3.0090+00
78	453.02	4.5132+00	7.4066-01	2.4658-03	7.4066-01	2.4658-03	3.6301-03	5.7246-02	5.2795+04	6.2153-04	3.3930+00
79	466.42	3.7855+00	6.1565-01	2.0718-03	6.1565-01	2.0718-03	3.0501-03	4.8100-02	4.4360+04	5.2250-04	3.7770+00
80	439.28	1.1730+01	1.9524+00	6.4292-03	1.9524+00	6.4292-03	9.4649-03	1.4926-01	1.3766+05	1.6197-03	2.4660+00
81	441.69	4.8556+00	8.0010-01	2.6397-03	8.0010-01	2.6397-03	3.8862-03	6.1284-02	5.6520+04	6.6508-04	3.0090+00
82	454.29	4.6374+00	7.6397-01	2.5460-03	7.6397-01	2.5460-03	3.7481-03	5.9107-02	5.4512+04	6.4177-04	3.3930+00
83	465.52	3.6343+00	5.9789-01	2.0106-03	5.9789-01	2.0106-03	2.9600-03	4.6678-02	4.3049+04	5.0704-04	3.7770+00
337	482.24	1.0179+01	1.9068+00	6.5001-03	1.9068+00	6.5001-03	9.5694-03	1.5091-01	1.3918+05	1.6403-03	7.1680+00
339	471.35	4.9044+00	9.3162-01	3.1477-03	9.3162-01	3.1477-03	4.6340-03	7.3078-02	6.7396+04	7.9399-04	8.1130+00
340	466.61	1.3481+00	2.4993-01	8.4120-04	2.4993-01	8.4120-04	1.2384-03	1.9529-02	1.8011+04	2.1215-04	8.6180+00
342	475.76	1.1031+01	2.1234+00	7.2003-03	2.1234+00	7.2003-03	1.0600-02	1.6716-01	1.5417+05	1.8165-03	7.1680+00
344	463.14	5.8270+00	1.1065+00	3.7140-03	1.1065+00	3.7140-03	5.4676-03	8.6224-02	7.9520+04	9.3652-04	8.1130+00
347	474.47	8.8540+00	1.6502+00	5.5896-03	1.6502+00	5.5896-03	8.2289-03	1.2977-01	1.1968+05	1.4101-03	7.1680+00
349	457.87	5.3086+00	1.0019+00	3.3485-03	1.0019+00	3.3485-03	4.9296-03	7.7739-02	7.1696+04	8.4419-04	8.1130+00
350	446.70	1.5823+00	2.7322-01	9.0501-04	2.7322-01	9.0501-04	1.3323-03	2.1011-02	1.9377+04	2.2806-04	8.6180+00
352	475.35	9.7906+00	1.7820+00	6.0404-03	1.7820+00	6.0404-03	8.8926-03	1.4023-01	1.2933+05	1.5239-03	7.1680+00
354	461.92	5.2010+00	9.8174-01	3.2918-03	9.8174-01	3.2918-03	4.8461-03	7.6423-02	7.0482+04	8.3003-04	8.1130+00
357	480.51	8.7304+00	1.5901+00	5.4127-03	1.5901+00	5.4127-03	7.9684-03	1.2566-01	1.1589+05	1.3658-03	7.1680+00
359	471.29	4.8847+00	8.6727-01	2.9302-03	8.6727-01	2.9302-03	4.3137-03	6.8026-02	6.2738+04	7.3911-04	8.1130+00
401	481.62	3.0363+01	2.5624+00	8.7304-03	2.5624+00	8.7304-03	1.2853-02	2.0269-01	1.8693+05	2.2031-03	4.5500-01
403	528.36	5.9321+01	5.0967+00	1.8058-02	5.0967+00	1.8058-02	2.6585-02	4.1924-01	3.8665+05	4.5655-03	6.8600-01
404	541.44	6.6961+01	5.8342+00	2.0905-02	5.8342+00	2.0905-02	3.0776-02	4.8534-01	4.4761+05	5.2882-03	8.0100-01
405	554.43	7.3083+01	6.3795+00	2.3119-02	6.3795+00	2.3119-02	3.4035-02	5.3673-01	4.9501+05	5.8514-03	1.0510+00
406	541.12	7.3532+01	6.4055+00	2.2946-02	6.4055+00	2.2946-02	3.3780-02	5.3271-01	4.9130+05	5.8043-03	1.1670+00
407	552.52	7.9367+01	7.0859+00	2.5636-02	7.0859+00	2.5636-02	3.7741-02	5.9516-01	5.4889+05	6.4878-03	1.2830+00
408	488.13	4.1709+01	3.4512+00	1.1822-02	3.4512+00	1.1822-02	1.7404-02	2.7446-01	2.5312+05	2.9840-03	5.1300-01
409	481.41	3.4219+01	2.8703+00	9.7779-03	2.8703+00	9.7779-03	1.4395-02	2.2700-01	2.0936+05	2.4674-03	5.7000-01
410	483.57	3.6328+01	2.9425+00	1.0042-02	2.9425+00	1.0042-02	1.4783-02	2.3313-01	2.1501+05	2.5342-03	6.2800-01
411	497.77	4.0266+01	3.4137+00	1.1787-02	3.4137+00	1.1787-02	1.7353-02	2.7365-01	2.5238+05	2.9764-03	6.8600-01
412	509.40	4.5610+01	3.8724+00	1.3502-02	3.8724+00	1.3502-02	1.9877-02	3.1345-01	2.8908+05	3.4109-03	7.4400-01
413	515.14	5.5022+01	4.7446+00	1.6623-02	4.7446+00	1.6623-02	2.4472-02	3.8592-01	3.5592+05	4.2004-03	8.0100-01
414	517.29	6.1601+01	5.2561+00	1.8448-02	5.2561+00	1.8448-02	2.7159-02	4.2830-01	3.9500+05	4.6621-03	8.5900-01
415	542.96	6.3930+01	5.5752+00	2.0003-02	5.5752+00	2.0003-02	2.9448-02	4.6439-01	4.2829+05	5.0603-03	9.1700-01
416	495.42	4.1059+01	3.2273+00	1.1122-02	3.2273+00	1.1122-02	1.6374-02	2.5821-01	2.3814+05	2.8081-03	5.7000-01
417	536.49	7.1571+01	6.1800+00	2.2050-02	6.1800+00	2.2050-02	3.2461-02	5.1191-01	4.7211+05	5.5766-03	1.0520+00

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8.06742+01 4.81630-03 3.39906-01 4.41913+03 5.00888-06 6.53461-08 2.84178-02 7.72000+00 6.71405-06 7.51368-02

1	463.48	2.7465+00	4.6341-01	1.5489-03	4.6341-01	1.5489-03	2.1748-03	3.5154-02	3.3062+04	3.9069-04	4.1100-01
2	460.04	2.1914+01	3.6890+00	1.2296-02	3.6890+00	1.2296-02	1.7265-02	2.7907-01	2.6246+05	3.1011-03	7.1100-01
3	455.41	1.7104+01	2.8703+00	9.5314-03	2.8703+00	9.5314-03	1.3384-02	2.1633-01	2.0346+05	2.4035-03	1.3070+00
4	447.07	1.6336+01	2.7258+00	8.9917-03	2.7258+00	8.9917-03	1.2626-02	2.0408-01	1.9194+05	2.2666-03	1.6410+00
5	443.15	1.1090+01	1.9318+00	6.3530-03	1.9318+00	6.3530-03	8.9206-03	1.4419-01	1.3561+05	1.6012-03	1.7720+00
6	468.10	2.7662+00	4.6135-01	1.5477-03	4.6135-01	1.5477-03	2.1732-03	3.5127-02	3.3037+04	3.9047-04	2.4660+00
7	488.46	1.4177+00	2.3893-01	8.1491-04	2.3893-01	8.1491-04	1.1443-03	1.8496-02	1.7395+04	2.0576-04	3.0090+00
8	497.86	1.7465+00	2.9350-01	1.0088-03	2.9350-01	1.0088-03	1.4166-03	2.2897-02	2.1535+04	2.5483-04	3.3930+00
9	503.30	1.5906+00	2.6824-01	9.2620-04	2.6824-01	9.2620-04	1.3005-03	2.1022-02	1.9771+04	2.3400-04	3.7770+00
10	503.71	1.5756+00	2.6657-01	9.2075-04	2.6657-01	9.2075-04	1.2929-03	2.0898-02	1.9654+04	2.3263-04	5.3230+00
14	453.57	1.0419+01	1.7462+00	5.7900-03	1.7462+00	5.7900-03	8.1302-03	1.3141-01	1.2359+05	1.4599-03	1.0880+00
15	455.08	2.3042+01	3.8658+00	1.2834-02	3.8658+00	1.2834-02	1.8021-02	2.9129-01	2.7395+05	3.2362-03	1.3070+00
16	451.84	3.1305+01	5.2406+00	1.7353-02	5.2406+00	1.7353-02	2.4367-02	3.9386-01	3.7042+05	4.3752-03	1.6410+00
19	467.07	1.7299+00	2.6606-01	8.9182-04	2.6606-01	8.9182-04	1.2523-03	2.0241-02	1.9037+04	2.2499-04	4.1100-01
20	465.54	8.5662+00	1.3797+00	4.6188-03	1.3797+00	4.6188-03	6.4856-03	1.0483-01	9.8593+04	1.1652-03	7.1100-01
21	455.22	1.5731+01	2.5546+00	8.4817-03	2.5546+00	8.4817-03	1.1910-02	1.9251-01	1.8105+05	2.1388-03	1.0880+00
22	451.35	2.3997+01	3.9102+00	1.2943-02	3.9102+00	1.2943-02	1.8174-02	2.9376-01	2.7628+05	3.2632-03	1.3070+00
23	448.23	2.5959+01	4.1574+00	1.3727-02	4.1574+00	1.3727-02	1.9275-02	3.1155-01	2.9301+05	3.4604-03	1.6410+00
24	479.32	1.0395+00	1.7259-01	5.8427-04	1.7259-01	5.8427-04	8.2040-04	1.3261-02	1.2472+04	1.4747-04	3.0090+00
25	493.14	7.4701-01	1.2215-01	4.1822-04	1.2215-01	4.1822-04	5.8725-04	9.4922-03	8.9272+03	1.0562-04	3.3930+00
26	500.50	7.7455-01	1.2803-01	4.4105-04	1.2803-01	4.4105-04	6.1931-04	1.0010-02	9.4147+03	1.1142-04	3.7770+00
27	470.37	2.3937+01	3.8678+00	1.2999-02	3.8678+00	1.2999-02	1.8253-02	2.9503-01	2.7747+05	3.2798-03	7.1100-01
28	460.78	3.4412+01	5.6093+00	1.8707-02	5.6093+00	1.8707-02	2.6268-02	4.2459-01	3.9932+05	4.7183-03	1.0880+00
29	456.29	3.0999+01	5.1137+00	1.6993-02	5.1137+00	1.6993-02	2.3861-02	3.8569-01	3.6274+05	4.2852-03	1.3070+00
30	447.68	2.3599+01	3.8818+00	1.2811-02	3.8818+00	1.2811-02	1.7989-02	2.9077-01	2.7347+05	3.2295-03	1.6410+00
31	443.77	1.2691+01	2.1128+00	6.9516-03	2.1128+00	6.9516-03	9.7612-03	1.5778-01	1.4839+05	1.7521-03	1.7720+00
32	464.12	1.9117+00	3.1768-01	1.0633-03	3.1768-01	1.0633-03	1.4931-03	2.4134-02	2.2697+04	2.6822-04	2.4660+00
33	487.54	1.5200+00	2.5754-01	8.7775-04	2.5754-01	8.7775-04	1.2325-03	1.9922-02	1.8736+04	2.2162-04	3.0090+00
34	498.88	1.0966+00	1.8441-01	6.3440-04	1.8441-01	6.3440-04	8.9080-04	1.4399-02	1.3542+04	1.6025-04	3.3930+00
35	504.45	9.2208-01	1.4907-01	5.1520-04	1.4907-01	5.1520-04	7.2343-04	1.1693-02	1.0997+04	1.3017-04	3.7770+00
36	460.03	3.8695+01	6.3233+00	2.1076-02	6.3233+00	2.1076-02	2.9594-02	4.7835-01	4.4988+05	5.3155-03	1.3070+00
37	465.88	3.2608+00	5.4946-01	1.8400-03	5.4946-01	1.8400-03	2.5836-03	4.1762-02	3.9276+04	4.6417-04	2.4660+00
38	492.88	1.3184+00	2.2085-01	7.5602-04	2.2085-01	7.5602-04	1.0616-03	1.7159-02	1.6138+04	1.9092-04	3.0090+00
39	503.74	1.1688+00	1.9598-01	6.7693-04	1.9598-01	6.7693-04	9.5053-04	1.5364-02	1.4450+04	1.7103-04	3.3930+00
40	507.95	8.5091-01	1.4176-01	4.9138-04	1.4176-01	4.9138-04	6.8998-04	1.1153-02	1.0489+04	1.2417-04	3.7770+00
41	508.95	6.7792-01	1.1060-01	3.8369-04	1.1060-01	3.8369-04	5.3877-04	8.7086-03	8.1903+03	9.6961-05	4.1620+00
43	498.14	7.6987-01	1.3134-01	4.5157-04	1.3134-01	4.5157-04	6.3408-04	1.0249-02	9.6392+03	1.1406-04	5.3230+00
47	463.89	2.3314+00	3.7853-01	1.2656-03	3.7853-01	1.2656-03	1.7770-03	2.8724-02	2.7014+04	3.1923-04	7.1100-01
48	452.86	7.6971+00	1.2630+00	4.1856-03	1.2630+00	4.1856-03	5.8773-03	9.5000-02	8.9346+04	1.0554-03	1.0880+00
49	450.25	1.6556+01	2.7280+00	9.0218-03	2.7280+00	9.0218-03	1.2668-02	2.0476-01	1.9258+05	2.2745-03	1.3070+00
50	452.90	2.8866+01	4.7933+00	1.5886-02	4.7933+00	1.5886-02	2.2306-02	3.6055-01	3.3909+05	4.0054-03	1.6410+00
51	449.78	1.1951+01	1.9978+00	6.6046-03	1.9978+00	6.6046-03	9.2740-03	1.4990-01	1.4098+05	1.6651-03	1.7720+00
52	472.01	1.4140+00	2.3995-01	8.0752-04	2.3995-01	8.0752-04	1.1339-03	1.8328-02	1.7237+04	2.0376-04	2.4660+00
53	494.18	1.4457+00	2.4238-01	8.3058-04	2.4238-01	8.3058-04	1.1663-03	1.8852-02	1.7730+04	2.0977-04	3.0090+00
54	508.56	1.5517+00	2.5940-01	8.9960-04	2.5940-01	8.9960-04	1.2632-03	2.0418-02	1.9203+04	2.2733-04	3.3930+00
55	510.89	1.2831+00	2.1090-01	7.3284-04	2.1090-01	7.3284-04	1.0290-03	1.6633-02	1.5643+04	1.8521-04	3.7770+00
56	467.58	4.4468-01	6.9077-02	2.3163-04	6.9077-02	2.3163-04	3.2525-04	5.2573-03	4.9444+03	5.8438-05	4.1100-01
57	464.37	1.6286+00	2.6289-01	8.7929-04	2.6289-01	8.7929-04	1.2347-03	1.9957-02	1.8769+04	2.2180-04	7.1100-01
58	453.12	3.0332+00	4.9781-01	1.6501-03	4.9781-01	1.6501-03	2.3170-03	3.7451-02	3.5223+04	4.1605-04	1.0880+00
59	446.28	3.8748+00	6.3484-01	2.0929-03	6.3484-01	2.0929-03	2.9388-03	4.7502-02	4.4675+04	5.2756-04	1.3070+00
60	449.18	1.3403+01	2.2069+00	7.2922-03	2.2069+00	7.2922-03	1.0239-02	1.6551-01	1.5566+05	1.8384-03	1.6410+00
61	499.01	7.4390-01	1.2473-01	4.2914-04	1.2473-01	4.2914-04	6.0258-04	9.7400-03	9.1603+03	1.0840-04	3.0090+00
62	509.37	7.7870-01	1.3024-01	4.5199-04	1.3024-01	4.5199-04	6.3467-04	1.0259-02	9.6482+03	1.1422-04	3.3930+00
63	513.18	1.0657+00	1.7871-01	6.2218-04	1.7871-01	6.2218-04	8.7364-04	1.4121-02	1.3281+04	1.5725-04	3.7770+00
64	451.42	2.0171+00	3.3758-01	1.1174-03	3.3758-01	1.1174-03	1.5691-03	2.5362-02	2.3853+04	2.8174-04	1.0880+00
65	443.36	2.3740+00	3.9511-01	1.2995-03	3.9511-01	1.2995-03	1.8248-03	2.9495-02	2.7740+04	3.2754-04	1.3070+00
66	446.88	4.2899+00	7.1570-01	2.3606-03	7.1570-01	2.3606-03	3.3146-03	5.3577-02	5.0388+04	5.9505-04	1.6410+00
69	465.80	6.0156-01	1.0166-01	3.4040-04	1.0166-01	3.4040-04	4.7798-04	7.7260-03	7.2662+03	8.5872-05	4.1100-01
70	455.80	1.1148+00	1.8713-01	6.2159-04	1.8713-01	6.2159-04	8.7281-04	1.4108-02	1.3268+04	1.5674-04	7.1100-01
71	441.86	1.9117+00	3.1690-01	1.0411-03	3.1690-01	1.0411-03	1.4619-03	2.3629-02	2.2223+04	2.6238-04	1.3070+00
72	449.30	3.2629+00	5.4526-01	1.8019-03	5.4526-01	1.8019-03	2.5301-03	4.0897-02	3.8463+04	4.5426-04	1.6410+00
73	510.31	6.2078-01	1.0389-01	3.6083-04	1.0389-01	3.6083-04	5.0666-04	8.1896-03	7.7022+03	9.1188-05	3.7770+00
74	484.07	6.0000-01	1.0023-01	3.4064-04	1.0023-01	3.4064-04	4.7831-04	7.7314-03	7.2712+03	8.5994-05	5.3230+00
77	485.93	1.2332+00	2.0936-01	7.1258-04	2.0936-01	7.1258-04	1.0006-03	1.6173-02	1.5211+04	1.7991-04	3.0090+00
78	497.19	1.2977+00	2.1929-01	7.5334-04	2.1929-01	7.5334-04	1.0578-03	1.7098-02	1.6081+04	1.9028-04	3.3930+00
79	504.42	1.2753+00	2.1264-01	7.3489-04	2.1264-01	7.3489-04	1.0319-03	1.6680-02	1.5687+04	1.8568-04	3.7770+00
80	469.59	2.6909+00	4.5723-01	1.5357-03	4.5723-01	1.5357-03	2.1564-03	3.4856-02	3.2781+04	3.8747-04	2.4660+00
81	489.69	1.4275+00	2.4293-01	8.2941-04	2.4293-01	8.2941-04	1.1646-03	1.8825-02	1.7705+04	2.0943-04	3.0090+00
82	500.60	1.7049+00	2.8961-01	9.9772-04	2.8961-01	9.9772-04	1.4010-03	2.2645-02	2.1297+04	2.5204-04	3.3930+00
83	504.19	1.3382+00	2.2580-01	7.8022-04	2.2580-01	7.8022-04	1.0955-03	1.7708-02	1.6654+04	1.9713-04	3.7770+00
337	503.58	8.7782+00	1.6673+00	5.7584-03	1.6673+00	5.7584-03	8.0858-03	1.3070-01	1.2292+05	1.4549-03	7.1680+00
339	499.97	4.9304+00	9.5425-01	3.2858-03	9.5425-01	3.2858-03	4.6138-03	7.4576-02	7.0138+04	8.3003-04	8.1130+00
340	495.43	1.2706+00	2.4009-01	8.2360-04	2.4009-01	8.2360-04	1.1565-03	1.8693-02	1.7580+04	2.0801-04	8.6180+00
342	500.19	1.1420+01	2.2337+00	7.6929-03	2.2337+00	7.6929-03	1.0802-02	1.7460-01	1.6421+05	1.9433-03	1.7680+00
344	493.45	3.9086+00	7.5725-01	2.5934-03	7.5725-01	2.5934-03	3.6416-03	5.8862-02	5.5359+04	6.5496-04	8.1130+00
347	500.50	6.7397+00	1.2776+00	4.4012-03	1.2776+00	4.4012-03	6.1800-03	9.9893-02	9.3948+04	1.1118-03	7.1680+00
349	499.52	4.8644+00	9.4367-01	3.2481-03	9.4367-01	3.2481-03	4.5609-03	7.3722-02	6.9334+04	8.2050-04	8.1130+00
350	496.62	1.0629+00	1.8973-01	6.5148-04	1.8973-01	6.5148-04	9.1478-04	1.4786-02	1.3906+04	1.6455-04	8.6180+00
352	498.85	5.2732+00	9.7461-01	3.3528-03	9.7461-01	3.3528-03	4.7078-03	7.6096-02	7.1568+04	8.4691-04	7.1680+00
354	505.14	6.9927+00	1.3579+00	4.6958-03	1.3579+00	4.6958-03	6.5936-03	1.0658-01	1.0024+05	1.1865-03	8.1130+00
357	509.61	3.2992+00	6.1230-01	2.1253-03	6.1230-01	2.1253-03	2.9843-03	4.8238-02	4.5367+04	5.3709-04	7.1680+00
359	518.63	3.3148+00	6.0683-01	2.1224-03	6.0683-01	2.1224-03	2.9802-03	4.8171-02	4.5304+04	5.3655-04	8.1130+00
401	470.67	7.4286+00	6.2237-01	2.0922-03	6.2237-01	2.0922-03	2.9378-03	4.7486-02	4.4660+04	5.2790-04	4.5500-01
403	469.21	9.8452+00	8.1428-01	2.7341-03	8.1428-01	2.7341-03	3.8391-03	6.2055-02	5.8362+04	6.8982-04	6.8600-01
404	471.99	1.6974+01	1.4149+00	4.7616-03	1.4149+00	4.7616-03	6.6860-03	1.0807-01	1.0164+05	1.2015-03	8.0100-01
405	476.83	3.4854+01	2.8973+00	9.7886-03	2.8973+00	9.7886-03	1.3745-02	2.2217-01	2.0895+05	2.4704-03	1.0510+00
406	472.18	3.8429+01	3.2038+00	1.0783-02	3.2038+00	1.0783-02	1.5141-02	2.4474-01	2.3018+05	2.7210-03	1.1670+00
407	473.58	4.3460+01	3.6914+00	1.2438-02	3.6914+00	1.2438-02	1.7466-02	2.8231-01	2.6551+05	3.1388-03	1.2830+00
408	471.55	7.8821+00	6.4511-01	2.1702-03	6.4511-01	2.1702-03	3.0473-03	4.9257-02	4.6325+04	5.4760-04	5.1300-01
409	466.37	1.6852+00	1.3995-01	4.6883-04	1.3995-01	4.6883-04	6.5831-04	1.0641-02	1.0008+04	1.1827-04	5.7000-01
410	468.41	7.2068+00	5.7791-01	1.9392-03	5.7791-01	1.9392-03	2.7229-03	4.4013-02	4.1394+04	4.8925-04	6.2800-01
411	465.43	1.9309+00	1.6025-01	5.3644-04	1.6025-01	5.3644-04	7.5325-04	1.2175-02	1.1451+04	1.3532-04	8.6600-01
412	474.15	8.8706+00	7.3609-01	2.4815-03	7.3609-01	2.4815-03	3.4844-03	5.6321-02	5.2969+04	6.2620-04	7.4400-01
413	463.90	2.6717+00	2.2282-01	7.4498-04	2.2282-01	7.4498-04	1.0461-03	1.6909-02	1.5902+04	1.8792-04	8.0100-01
414	470.97	1.9091+01	1.5809+00	5.3157-03	1.5809+00	5.3157-03	7.4640-03	1.2065-01	1.1347+05	1.3412-03	8.5900-01
415	462.54	3.7932+00	3.1420-01	1.0494-03	3.1420-01	1.0494-03	1.4735-03	2.3817-02	2.2399+04	2.6468-04	9.1700-01
416	471.11	7.0971+00	5.4902-01	1.8463-03	5.4902-01	1.8463-03	2.5925-03	4.1905-02	3.9411+04	4.6586-04	5.7000-01
417	473.30	3.3235+01	2.7563+00	9.2855-03	2.7563+00	9.2855-03	1.3038-02	2.1075-01	1.9821+05	2.3431-03	1.0520+00

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8.06562+01 4.81644-03 3.39916-01 4.41864+03 5.01015-06 6.53315-08 2.84282-02 7.72000+00 6.71234-06 7.51391-02

1	464.21	3.0410+00	5.1337-01	1.7171-03	5.1337-01	1.7171-03	2.4107-03	3.8972-02	3.6662+04	4.3319-04	4.1100-01
2	466.40	2.4198+01	4.0909+00	1.3707-02	4.0909+00	1.3707-02	1.9244-02	3.1111-01	2.9267+05	3.4584-03	7.1100-01
3	458.68	1.4274+01	2.4006+00	7.9939-03	2.4006+00	7.9939-03	1.1223-02	1.8144-01	1.7068+05	2.0163-03	1.3070+00
4	450.71	1.5224+01	2.5466+00	8.4265-03	2.5466+00	8.4265-03	1.1830-02	1.9125-01	1.7992+05	2.1247-03	1.6410+00
5	446.00	1.1298+01	1.9718+00	6.5001-03	1.9718+00	6.5001-03	9.1259-03	1.4753-01	1.3879+05	1.6387-03	1.7720+00
6	468.82	2.9756+00	4.9650-01	1.6669-03	4.9650-01	1.6669-03	2.3402-03	3.7832-02	3.5590+04	4.2060-04	2.4660+00
7	488.80	1.4187+00	2.3915-01	8.1606-04	2.3915-01	8.1606-04	1.1457-03	1.8522-02	1.7424+04	2.0608-04	3.0090+00
8	498.32	1.7164+00	2.8852-01	9.9227-04	2.8852-01	9.9227-04	1.3931-03	2.2521-02	2.1186+04	2.5068-04	3.3930+00
9	503.71	1.6395+00	2.7655-01	9.5537-04	2.7655-01	9.5537-04	1.3413-03	2.1684-02	2.0398+04	2.4141-04	3.7770+00
10	504.07	1.4670+00	2.4826-01	8.5789-04	2.4826-01	8.5789-04	1.2044-03	1.9471-02	1.8317+04	2.1678-04	5.3230+00
14	456.06	1.0419+01	1.7492+00	5.8126-03	1.7492+00	5.8126-03	8.1607-03	1.3193-01	1.2411+05	1.4660-03	1.0880+00
15	460.48	2.2379+01	3.7684+00	1.2567-02	3.7684+00	1.2567-02	1.7643-02	2.8522-01	2.6831+05	3.1699-03	1.3070+00
16	459.75	3.1619+01	5.3216+00	1.7736-02	5.3216+00	1.7736-02	2.4900-02	4.0254-01	3.7868+05	4.4736-03	1.6410+00
19	467.52	1.7190+00	2.6447-01	8.8693-04	2.6447-01	8.8693-04	1.2452-03	2.0130-02	1.8937+04	2.2379-04	4.1100-01
20	467.94	1.0351+01	1.6697+00	5.6017-03	1.6697+00	5.6017-03	7.8646-03	1.2714-01	1.1960+05	1.4134-03	7.1100-01
21	459.39	1.6837+01	2.7420+00	9.1359-03	2.7420+00	9.1359-03	1.2827-02	2.0736-01	1.9506+05	2.3044-03	1.0880+00
22	457.42	2.4584+01	4.0223+00	1.3381-02	4.0223+00	1.3381-02	1.8786-02	3.0370-01	2.8569+05	3.3748-03	1.3070+00
23	454.54	2.5703+01	4.1342+00	1.3721-02	4.1342+00	1.3721-02	1.9264-02	3.1143-01	2.9297+05	3.4603-03	1.6410+00
24	479.52	8.5299-01	1.4164-01	4.7966-04	1.4164-01	4.7966-04	6.7343-04	1.0887-02	1.0241+04	1.2109-04	3.0090+00
25	493.28	6.5715-01	1.0746-01	3.6804-04	1.0746-01	3.6804-04	5.1672-04	8.3534-03	7.8582+03	9.2960-05	3.3930+00
26	500.65	6.6961-01	1.1070-01	3.8145-04	1.1070-01	3.8145-04	5.3554-04	8.6576-03	8.1444+03	9.6373-05	3.7770+00
27	476.97	2.4718+01	4.0115+00	1.3556-02	4.0115+00	1.3556-02	1.9033-02	3.0768-01	2.8945+05	3.4218-03	7.1100-01
28	470.89	3.9065+01	6.4111+00	2.1559-02	6.4111+00	2.1559-02	3.0269-02	4.8933-01	4.6032+05	5.4406-03	1.0880+00
29	464.40	3.2211+01	5.3429+00	1.7873-02	5.3429+00	1.7873-02	2.5093-02	4.0566-01	3.8162+05	4.5091-03	1.3070+00
30	453.20	2.1932+01	3.6212+00	1.2006-02	3.6212+00	1.2006-02	1.6856-02	2.7249-01	2.5634+05	3.0275-03	1.6410+00
31	446.71	1.1617+01	1.9378+00	6.3916-03	1.9378+00	6.3916-03	8.9736-03	1.4507-01	1.3647+05	1.6114-03	1.7720+00
32	464.48	1.5366+00	2.5565-01	8.5529-04	2.5565-01	8.5529-04	1.2008-03	1.9412-02	1.8262+04	2.1578-04	2.4660+00
33	487.86	1.2800+00	2.1692-01	7.3963-04	2.1692-01	7.3963-04	1.0384-03	1.6787-02	1.5792+04	1.8677-04	3.0090+00
34	499.10	9.3714-01	1.5761-01	5.4241-04	1.5761-01	5.4241-04	7.6152-04	1.2311-02	1.1581+04	1.3703-04	3.3930+00
35	504.65	9.3818-01	1.5169-01	5.2445-04	1.5169-01	5.2445-04	7.3631-04	1.1903-02	1.1198+04	1.3253-04	3.7770+00
36	470.35	3.9630+01	6.5212+00	2.1920-02	6.5212+00	2.1920-02	3.0775-02	4.9751-01	4.6802+05	5.5314-03	1.3070+00
37	466.65	3.1569+00	5.3223-01	1.7837-03	5.3223-01	1.7837-03	2.5042-03	4.0484-02	3.8084+04	4.5004-04	2.4660+00
38	493.19	1.2613+00	2.1132-01	7.2370-04	2.1132-01	7.2370-04	1.0161-03	1.6426-02	1.5452+04	1.8279-04	3.0090+00
39	503.94	9.4806-01	1.5898-01	5.4933-04	1.5898-01	5.4933-04	7.7124-04	1.2468-02	1.1729+04	1.3881-04	3.3930+00
40	508.13	7.9740-01	1.3286-01	4.6068-04	1.3286-01	4.6068-04	6.4677-04	1.0456-02	9.8360+03	1.1643-04	3.7770+00
41	509.11	6.7637-01	1.1036-01	3.8296-04	1.1036-01	3.8296-04	5.3767-04	8.6920-03	8.1768+03	9.6790-05	4.1620+00
43	498.31	6.9143-01	1.1797-01	4.0573-04	1.1797-01	4.0573-04	5.6963-04	9.2086-03	8.6628+03	1.0250-04	5.3230+00
47	464.41	2.1164+00	3.4373-01	1.1499-03	3.4373-01	1.1499-03	1.6144-03	2.6099-02	2.4552+04	2.9010-04	7.1100-01
48	454.86	8.1574+00	1.3404+00	4.4498-03	1.3404+00	4.4498-03	6.2473-03	1.0100-01	9.5009+04	1.1222-03	1.0880+00
49	454.57	1.7664+01	2.9192+00	9.6888-03	2.9192+00	9.6888-03	1.3603-02	2.1990-01	2.0687+05	2.4434-03	1.3070+00
50	460.35	2.9304+01	4.8908+00	1.6308-02	4.8908+00	1.6308-02	2.2896-02	3.7013-01	3.4819+05	4.1136-03	1.6410+00
51	452.75	1.2188+01	2.0416+00	6.7662-03	2.0416+00	6.7662-03	9.4996-03	1.5357-01	1.4447+05	1.7062-03	1.7720+00
52	472.35	1.3558+00	2.3013-01	7.7481-04	2.3013-01	7.7481-04	1.0878-03	1.7586-02	1.6543+04	1.9554-04	2.4660+00
53	494.51	1.4057+00	2.3572-01	8.0813-04	2.3572-01	8.0813-04	1.1346-03	1.8342-02	1.7255+04	2.0412-04	3.0090+00
54	508.93	1.5460+00	2.5851-01	8.9693-04	2.5851-01	8.9693-04	1.2593-03	2.0357-02	1.9151+04	2.2669-04	3.3930+00
55	511.19	1.2748+00	2.0957-01	7.2853-04	2.0957-01	7.2853-04	1.0228-03	1.6535-02	1.5555+04	1.8414-04	3.7770+00
56	467.69	5.1895-01	8.0621-02	2.7041-04	8.0621-02	2.7041-04	3.7965-04	6.1375-03	5.7737+03	6.8231-05	4.1100-01
57	464.70	1.4405+00	2.3259-01	7.7825-04	2.3259-01	7.7825-04	1.0926-03	1.7664-02	1.6617+04	1.9634-04	7.1100-01
58	453.83	2.9475+00	4.8398-01	1.6054-03	4.8398-01	1.6054-03	2.2539-03	3.6437-02	3.4277+04	4.0485-04	1.0880+00
59	447.08	3.5169+00	5.7652-01	1.9021-03	5.7652-01	1.9021-03	2.6705-03	4.3172-02	4.0613+04	4.7955-04	1.3070+00
60	452.58	1.3903+01	2.2945+00	7.6035-03	2.2945+00	7.6035-03	1.0675-02	1.7257-01	1.6234+05	1.9174-03	1.6410+00
61	499.13	6.1195-01	1.0261-01	3.5314-04	1.0261-01	3.5314-04	4.9580-04	8.0152-03	7.5400+03	8.9217-05	3.0090+00
62	509.46	5.6416-01	9.4366-02	3.2756-04	9.4366-02	3.2756-04	4.5989-04	7.4346-03	6.9939+03	8.2789-05	3.3930+00
63	513.42	1.0992+00	1.8096-01	6.3026-04	1.8096-01	6.3026-04	8.8486-04	1.4305-02	1.3457+04	1.5932-04	3.7770+00
64	451.75	1.3652+00	2.2852-01	7.5676-04	2.2852-01	7.5676-04	1.0625-03	1.7176-02	1.6158+04	1.9082-04	1.0880+00
65	443.72	1.7865+00	2.9740-01	9.7861-04	2.9740-01	9.7861-04	1.3739-03	2.2211-02	2.0895+04	2.4669-04	1.3070+00
66	447.62	3.4706+00	5.7932-01	1.9122-03	5.7932-01	1.9122-03	2.6846-03	4.3400-02	4.0827+04	4.8209-04	1.6410+00
69	465.90	4.6182-01	7.8049-02	2.6141-04	7.8049-02	2.6141-04	3.6701-04	5.9331-03	5.5814+03	6.5953-05	4.1100-01
70	455.94	7.6052-01	1.2767-01	4.2420-04	1.2767-01	4.2420-04	5.9556-04	9.6279-03	9.0572+03	1.0698-04	7.1100-01
71	442.02	1.1829+00	1.9611-01	6.4443-04	1.9611-01	6.4443-04	9.0476-04	1.4626-02	1.3759+04	1.6244-04	1.3070+00
72	449.71	2.1844+00	3.6514-01	1.2072-03	3.6514-01	1.2072-03	1.6949-03	2.7400-02	2.5776+04	3.0439-04	1.6410+00
73	510.41	4.8468-01	8.1120-02	2.8181-04	8.1120-02	2.8181-04	3.9565-04	6.3961-03	6.0170+03	7.1228-05	3.7770+00
74	484.12	3.6572-01	6.1096-02	2.0768-04	6.1096-02	2.0768-04	2.9157-04	4.7136-03	4.4342+03	5.2435-05	5.3230+00
77	486.26	1.3127+00	2.2290-01	7.5900-04	2.2290-01	7.5900-04	1.0656-03	1.7227-02	1.6206+04	1.9165-04	3.0090+00
78	497.53	1.3190+00	2.2294-01	7.6622-04	2.2294-01	7.6622-04	1.0757-03	1.7391-02	1.6360+04	1.9356-04	3.3930+00
79	504.74	1.2587+00	2.0991-01	7.2577-04	2.0991-01	7.2577-04	1.0190-03	1.6473-02	1.5496+04	1.8340-04	3.7770+00
80	470.28	2.7704+00	4.7096-01	1.5830-03	4.7096-01	1.5830-03	2.2224-03	3.5928-02	3.3798+04	3.9945-04	2.4660+00
81	490.05	1.4665+00	2.4962-01	8.5265-04	2.4962-01	8.5265-04	1.1971-03	1.9352-02	1.8205+04	2.1533-04	3.0090+00
82	501.03	1.7143+00	2.9127-01	1.0040-03	2.9127-01	1.0040-03	1.4096-03	2.2787-02	2.1437+04	2.5367-04	3.3930+00
83	504.53	1.4021+00	2.3663-01	8.1802-04	2.3663-01	8.1802-04	1.1485-03	1.8566-02	1.7466+04	2.0671-04	3.7770+00
337	505.72	8.7278+00	1.6600+00	5.7444-03	1.6600+00	5.7444-03	8.0649-03	1.3038-01	1.2265+05	1.4516-03	7.1680+00
339	501.24	5.0566+00	9.7949-01	3.3768-03	9.7949-01	3.3768-03	4.7409-03	7.6642-02	7.2099+04	8.5317-04	8.1130+00
340	495.75	1.2395+00	2.3425-01	8.0390-04	2.3425-01	8.0390-04	1.1287-03	1.8245-02	1.7164+04	2.0307-04	8.6180+00
342	503.07	1.1363+01	2.2266+00	7.6878-03	2.2266+00	7.6878-03	1.0793-02	1.7449-01	1.6414+05	1.9425-03	7.1680+00
344	494.36	3.7553+00	7.2798-01	2.4955-03	7.2798-01	2.4955-03	3.5035-03	5.6639-02	5.3281+04	6.3033-04	8.1130+00
347	502.06	6.4956+00	1.2326+00	4.2522-03	1.2326+00	4.2522-03	5.9700-03	9.6511-02	9.0791+04	1.0744-03	7.1680+00
349	500.66	4.6229+00	8.9747-01	3.0925-03	8.9747-01	3.0925-03	4.3418-03	7.0190-02	6.6030+04	7.8134-04	8.1130+00
350	496.84	8.8000-01	1.5711-01	5.3966-04	1.5711-01	5.3966-04	7.5766-04	1.2248-02	1.1522+04	1.3632-04	8.6180+00
352	499.79	4.1720+00	7.7153-01	2.6567-03	7.7153-01	2.6567-03	3.7299-03	6.0297-02	5.6723+04	6.7119-04	7.1680+00
354	506.77	6.4717+00	1.2580+00	4.3570-03	1.2580+00	4.3570-03	6.1171-03	9.8890-02	9.3029+04	1.1011-03	8.1130+00
357	509.80	1.1745+00	2.1801-01	7.5696-04	2.1801-01	7.5696-04	1.0627-03	1.7180-02	1.6162+04	1.9132-04	7.1680+00
359	519.01	1.4571+00	2.6682-01	9.3363-04	2.6682-01	9.3363-04	1.3108-03	2.1190-02	1.9934+04	2.3606-04	8.1130+00
401	472.59	7.3839+00	6.1942-01	2.0859-03	6.1942-01	2.0859-03	2.9285-03	4.7342-02	4.4536+04	5.2641-04	4.5500-01
403	471.51	9.0701+00	7.5133-01	2.5278-03	7.5133-01	2.5278-03	3.5490-03	5.7373-02	5.3972+04	6.3792-04	6.8600-01
404	475.89	1.5337+01	1.2818+00	4.3279-03	1.2818+00	4.3279-03	6.0762-03	9.8229-02	9.2406+04	1.0924-03	8.0100-01
405	485.36	3.3243+01	2.7790+00	9.4558-03	2.7790+00	9.4558-03	1.3276-02	2.1462-01	2.0189+05	2.3876-03	1.0510+00
406	482.50	3.9486+01	3.3144+00	1.1251-02	3.3144+00	1.1251-02	1.5797-02	2.5537-01	2.4023+05	2.8406-03	1.1670+00
407	485.10	4.3812+01	3.7496+00	1.2756-02	3.7496+00	1.2756-02	1.7909-02	2.8952-01	2.7236+05	3.2208-03	1.2830+00
408	473.58	8.0021+00	6.5582-01	2.2102-03	6.5582-01	2.2102-03	3.1031-03	5.0165-02	4.7191+04	5.5781-04	5.1300-01
409	466.58	1.3257+00	1.1011-01	3.6900-04	1.1011-01	3.6900-04	5.1806-04	8.3750-03	7.8786+03	9.3101-05	5.7000-01
410	470.24	7.3299+00	5.8850-01	1.9780-03	5.8850-01	1.9780-03	2.7770-03	4.4893-02	4.2232+04	4.9913-04	6.2800-01
411	465.86	1.8519+00	1.5374-01	5.1492-04	1.5374-01	5.1492-04	7.2293-04	1.1687-02	1.0994+04	1.2991-04	6.8600-01
412	476.41	8.8057+00	7.3180-01	2.4719-03	7.3180-01	2.4719-03	3.4705-03	5.6105-02	5.2779+04	6.2393-04	7.4400-01
413	464.57	2.9091+00	2.4273-01	8.1211-04	2.4273-01	8.1211-04	1.1402-03	1.8432-02	1.7340+04	2.0489-04	8.0100-01
414	475.74	1.8709+01	1.5541+00	5.2469-03	1.5541+00	5.2469-03	7.3664-03	1.1909-01	1.1203+05	1.3243-03	8.5900-01
415	463.49	3.9418+00	3.2672-01	1.0922-03	3.2672-01	1.0922-03	1.5334-03	2.4788-02	2.3319+04	2.7553-04	9.1700-01
416	472.89	7.0982+00	5.4976-01	1.8517-03	5.4976-01	1.8517-03	2.5998-03	4.2028-02	3.9537+04	4.6732-04	5.7000-01
417	481.89	3.3944+01	2.8312+00	9.6063-03	2.8312+00	9.6063-03	1.3487-02	2.1803-01	2.0511+05	2.4252-03	1.0520+00

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8.06652+01 4.81637-03 3.39911-01 4.41889+03 5.00951-06 6.53388-08 2.84230-02 7.72000+00 6.71319-06 7.51380-02

1	465.02	3.1797+00	5.3707-01	1.7973-03	5.3707-01	1.7973-03	2.5235-03	4.0792-02	3.8369+04	4.5344-04	4.1100-01
2	472.41	2.3687+01	4.0207+00	1.3535-02	4.0207+00	1.3535-02	1.9005-02	3.0721-01	2.8896+05	3.4159-03	7.1100-01
3	462.27	1.4364+01	2.4217+00	8.0860-03	2.4217+00	8.0860-03	1.1353-02	1.8353-01	1.7263+05	2.0399-03	1.3070+00
4	454.54	1.5461+01	2.5929+00	8.6044-03	2.5929+00	8.6044-03	1.2081-02	1.9529-01	1.8369+05	2.1700-03	1.6410+00
5	448.79	1.0948+01	1.9145+00	6.3240-03	1.9145+00	6.3240-03	8.8793-03	1.4353-01	1.3501+05	1.5945-03	1.7720+00
6	469.59	3.0649+00	5.1168-01	1.7186-03	5.1168-01	1.7186-03	2.4130-03	3.9006-02	3.6689+04	4.3367-04	2.4660+00
7	489.16	1.4473+00	2.4403-01	8.3280-04	2.4403-01	8.3280-04	1.1693-03	1.8902-02	1.7779+04	2.1032-04	3.0090+00
8	498.73	1.6779+00	2.8213-01	9.7047-04	2.8213-01	9.7047-04	1.3626-03	2.2026-02	2.0718+04	2.4518-04	3.3930+00
9	504.11	1.6603+00	2.8013-01	9.6789-04	2.8013-01	9.6789-04	1.3590-03	2.1968-02	2.0663+04	2.4458-04	3.7770+00
10	504.44	1.5226+00	2.5773-01	8.9073-04	2.5773-01	8.9073-04	1.2506-03	2.0217-02	1.9016+04	2.2508-04	5.3230+00
14	458.76	1.0908+01	1.8346+00	6.1087-03	1.8346+00	6.1087-03	8.5770-03	1.3865-01	1.3041+05	1.5408-03	1.0880+00
15	466.21	2.3017+01	3.8908+00	1.3033-02	3.8908+00	1.3033-02	1.8299-02	2.9580-01	2.7823+05	3.2882-03	1.3070+00
16	467.70	3.1606+01	5.3480+00	1.7935-02	5.3480+00	1.7935-02	2.5182-02	4.0707-01	3.8289+05	4.5254-03	1.6410+00
19	467.94	1.7055+00	2.6246-01	8.8037-04	2.6246-01	8.8037-04	1.2361-03	1.9981-02	1.8795+04	2.2214-04	4.1100-01
20	470.78	1.1704+01	1.8916+00	6.3597-03	1.8916+00	6.3597-03	8.9294-03	1.4434-01	1.3577+05	1.6049-03	7.1100-01
21	463.79	1.7222+01	2.8129+00	9.4039-03	2.8129+00	9.4039-03	1.3204-02	2.1344-01	2.0076+05	2.3724-03	1.0880+00
22	463.74	2.4990+01	4.1062+00	1.3727-02	4.1062+00	1.3727-02	1.9273-02	3.1155-01	2.9305+05	3.4631-03	1.3070+00
23	460.99	2.5907+01	4.1852+00	1.3960-02	4.1852+00	1.3960-02	1.9601-02	3.1685-01	2.9803+05	3.5215-03	1.6410+00
24	479.72	8.2961-01	1.3778-01	4.6658-04	1.3778-01	4.6658-04	6.5511-04	1.0590-02	9.9609+03	1.1779-04	3.0090+00
25	493.46	7.2104-01	1.1792-01	4.0387-04	1.1792-01	4.0387-04	5.6706-04	9.1665-03	8.6220+03	1.0201-04	3.3930+00
26	500.80	6.5403-01	1.0813-01	3.7259-04	1.0813-01	3.7259-04	5.2314-04	8.4566-03	7.9543+03	9.4139-05	3.7770+00
27	482.68	2.3240+01	3.7858+00	1.2852-02	3.7858+00	1.2852-02	1.8044-02	2.9169-01	2.7436+05	3.2447-03	7.1100-01
28	480.78	3.8767+01	6.4040+00	2.1706-02	6.4040+00	2.1706-02	3.0476-02	4.9265-01	4.6338+05	5.4797-03	1.0880+00
29	472.53	3.2625+01	5.4411+00	1.8319-02	5.4411+00	1.8319-02	2.5721-02	4.1578-01	3.9108+05	4.6231-03	1.3070+00
30	458.44	2.1356+01	3.5387+00	1.1779-02	3.5387+00	1.1779-02	1.6539-02	2.6735-01	2.5147+05	2.9711-03	1.6410+00
31	449.49	1.1138+01	1.8615+00	6.1524-03	1.8615+00	6.1524-03	8.6383-03	1.3964-01	1.3134+05	1.5513-03	1.7720+00
32	464.85	1.4561+00	2.4232-01	8.1078-04	2.4232-01	8.1078-04	1.1384-03	1.8402-02	1.7309+04	2.0455-04	2.4660+00
33	488.15	1.2805+00	2.1705-01	7.4013-04	2.1705-01	7.4013-04	1.0392-03	1.6799-02	1.5801+04	1.8691-04	3.0090+00
34	499.34	9.5325-01	1.6035-01	5.5183-04	1.6035-01	5.5183-04	7.7481-04	1.2525-02	1.1781+04	1.3942-04	3.3930+00
35	504.91	9.1792-01	1.4844-01	5.1323-04	1.4844-01	5.1323-04	7.2060-04	1.1649-02	1.0957+04	1.2969-04	3.7770+00
36	480.15	3.8689+01	6.4079+00	2.1708-02	6.4079+00	2.1708-02	3.0479-02	4.9269-01	4.6343+05	5.4801-03	1.3070+00
37	467.43	3.0390+00	5.1262-01	1.7188-03	5.1262-01	1.7188-03	2.4132-03	3.9010-02	3.6693+04	4.3368-04	2.4660+00
38	493.52	1.3195+00	2.2112-01	7.5733-04	2.2112-01	7.5733-04	1.0633-03	1.7189-02	1.6168+04	1.9129-04	3.0090+00
39	504.22	1.0644+00	1.7853-01	6.1690-04	1.7853-01	6.1690-04	8.6616-04	1.4002-02	1.3170+04	1.5589-04	3.3930+00
40	508.33	8.6442-01	1.4405-01	4.9946-04	1.4405-01	4.9946-04	7.0127-04	1.1336-02	1.0663+04	1.2623-04	3.7770+00
41	509.30	6.9662-01	1.1368-01	3.9448-04	1.1368-01	3.9448-04	5.5387-04	8.9533-03	8.4215+03	9.9702-05	4.1620+00
43	498.47	7.0078-01	1.1958-01	4.1125-04	1.1958-01	4.1125-04	5.7741-04	9.3339-03	8.7795+03	1.0389-04	5.3230+00
47	464.93	2.0364+00	3.3086-01	1.1071-03	3.3086-01	1.1071-03	1.5544-03	2.5127-02	2.3635+04	2.7932-04	7.1100-01
48	456.99	8.5709+00	1.4104+00	4.6893-03	1.4104+00	4.6893-03	6.5841-03	1.0643-01	1.0011+05	1.1827-03	1.0880+00
49	459.11	1.8174+01	3.0127+00	1.0034-02	3.0127+00	1.0034-02	1.4088-02	2.2774-01	2.1421+05	2.5309-03	1.3070+00
50	467.69	2.9164+01	4.8914+00	1.6404-02	4.8914+00	1.6404-02	2.3032-02	3.7231-01	3.5020+05	4.1390-03	1.6410+00
51	455.81	1.2567+01	2.1094+00	7.0070-03	2.1094+00	7.0070-03	9.8382-03	1.5903-01	1.4959+05	1.7672-03	1.7720+00
52	472.68	1.3283+00	2.2551-01	7.5932-04	2.2551-01	7.5932-04	1.0661-03	1.7234-02	1.6210+04	1.9163-04	2.4660+00
53	494.87	1.4364+00	2.4092-01	8.2606-04	2.4092-01	8.2606-04	1.1598-03	1.8749-02	1.7635+04	2.0866-04	3.0090+00
54	509.33	1.5590+00	2.6074-01	9.0484-04	2.6074-01	9.0484-04	1.2705-03	2.0537-02	1.9317+04	2.2869-04	3.3930+00
55	511.54	1.3958+00	2.2952-01	7.9798-04	2.2952-01	7.9798-04	1.1204-03	1.8112-02	1.7036+04	2.0171-04	3.7770+00
56	467.76	-1.8234-01	-2.8329-02	-9.5010-05	-2.8329-02	-9.5010-05	-1.3340-04	-2.1564-03	-2.0283+03	-2.3973-05	4.1100-01
57	465.04	1.4182+00	2.2903-01	7.6645-04	2.2903-01	7.6645-04	1.0762-03	1.7396-02	1.6363+04	1.9337-04	7.1100-01
58	454.56	2.9673+00	4.8747-01	1.6176-03	4.8747-01	1.6176-03	2.2713-03	3.6715-02	3.4535+04	4.0796-04	1.0880+00
59	447.97	3.5564+00	5.8335-01	1.9257-03	5.8335-01	1.9257-03	2.7038-03	4.3708-02	4.1112+04	4.8553-04	1.3070+00
60	456.09	1.4234+01	2.3547+00	7.8237-03	2.3547+00	7.8237-03	1.0985-02	1.7757-01	1.6702+05	1.9732-03	1.6410+00
61	499.28	5.7507-01	9.6438-02	3.3188-04	9.6438-02	3.3188-04	4.6597-04	7.5325-03	7.0851+03	8.3846-05	3.0090+00
62	509.64	7.3143-01	1.2236-01	4.2472-04	1.2236-01	4.2472-04	5.9634-04	9.6398-03	9.0672+03	1.0735-04	3.3930+00
63	513.71	1.0909+00	1.7963-01	6.2565-04	1.7963-01	6.2565-04	8.7845-04	1.4200-02	1.3357+04	1.5816-04	3.7770+00
64	452.02	1.2894+00	2.1587-01	7.1490-04	2.1587-01	7.1490-04	1.0038-03	1.6226-02	1.5262+04	1.8027-04	1.0880+00
65	444.16	1.7351+00	2.8892-01	9.5090-04	2.8892-01	9.5090-04	1.3351-03	2.1582-02	2.0300+04	2.3971-04	1.3070+00
66	448.45	3.4805+00	5.8130-01	1.9197-03	5.8130-01	1.9197-03	2.6954-03	4.3570-02	4.0982+04	4.8401-04	1.6410+00
69	466.00	4.3740-01	7.3928-02	2.4759-04	7.3928-02	2.4759-04	3.4763-04	5.6194-03	5.2857+03	6.2468-05	4.1100-01
70	456.13	7.6520-01	1.2847-01	4.2686-04	1.2847-01	4.2686-04	5.9934-04	9.6884-03	9.1129+03	1.0766-04	7.1100-01
71	442.31	1.2223+00	2.0269-01	6.6612-04	2.0269-01	6.6612-04	9.3528-04	1.5119-02	1.4221+04	1.6791-04	1.3070+00
72	450.22	2.1538+00	3.6015-01	1.1910-03	3.6015-01	1.1910-03	1.6723-03	2.7032-02	2.5427+04	3.0031-04	1.6410+00
73	510.54	4.7584-01	7.9648-02	2.7668-04	7.9648-02	2.7668-04	3.8847-04	6.2796-03	5.9067+03	6.9932-05	3.7770+00
74	484.22	4.7429-01	7.9239-02	2.6933-04	7.9239-02	2.6933-04	3.7815-04	6.1128-03	5.7497+03	6.8002-05	5.3230+00
77	486.58	1.2577+00	2.1359-01	7.2739-04	2.1359-01	7.2739-04	1.0213-03	1.6509-02	1.5529+04	1.8368-04	3.0090+00
78	497.86	1.3387+00	2.2632-01	7.7793-04	2.2632-01	7.7793-04	1.0923-03	1.7656-02	1.6608+04	1.9653-04	3.3930+00
79	505.06	1.2779+00	2.1316-01	7.3707-04	2.1316-01	7.3707-04	1.0349-03	1.6729-02	1.5735+04	1.8626-04	3.7770+00
80	470.98	2.8681+00	4.8779-01	1.6402-03	4.8779-01	1.6402-03	2.3029-03	3.7227-02	3.5016+04	4.1391-04	2.4660+00
81	490.43	1.4831+00	2.5251-01	8.6265-04	2.5251-01	8.6265-04	1.2112-03	1.9579-02	1.8416+04	2.1786-04	3.0090+00
82	501.46	1.6743+00	2.8456-01	9.8102-04	2.8456-01	9.8102-04	1.3774-03	2.2266-02	2.0943+04	2.4787-04	3.3930+00
83	504.89	1.4068+00	2.3747-01	8.2104-04	2.3747-01	8.2104-04	1.1528-03	1.8635-02	1.7528+04	2.0748-04	3.7770+00
337	507.93	8.9190+00	1.6988+00	5.8883-03	1.6988+00	5.8883-03	8.2676-03	1.3365-01	1.2571+05	1.4882-03	7.1680+00
339	502.52	5.1060+00	9.8985-01	3.4156-03	9.8985-01	3.4156-03	4.7957-03	7.7523-02	7.2918+04	8.6304-04	8.1130+00
340	496.04	1.2177+00	2.3017-01	7.8997-04	2.3017-01	7.8997-04	1.1092-03	1.7930-02	1.6865+04	1.9955-04	8.6180+00
342	505.92	1.1286+01	2.2156+00	7.6669-03	2.2156+00	7.6669-03	1.0765-02	1.7401-01	1.6368+05	1.9375-03	7.1680+00
344	495.30	3.7314+00	7.2379-01	2.4826-03	7.2379-01	2.4826-03	3.4857-03	5.6347-02	5.3000+04	6.2711-04	8.1130+00
347	503.71	6.6078+00	1.2552+00	4.3355-03	1.2552+00	4.3355-03	6.0873-03	9.8402-02	9.2557+04	1.0955-03	7.1680+00
349	501.80	4.7070+00	9.1447-01	3.1536-03	9.1447-01	3.1536-03	4.4278-03	7.1576-02	6.7325+04	7.9681-04	8.1130+00
350	497.06	8.7584-01	1.5639-01	5.3719-04	1.5639-01	5.3719-04	7.5425-04	1.2192-02	1.1468+04	1.3571-04	8.6180+00
352	500.85	4.0467+00	7.4889-01	2.5806-03	7.4889-01	2.5806-03	3.6233-03	5.8570-02	5.5091+04	6.5200-04	7.1680+00
354	508.37	6.3647+00	1.2385+00	4.2944-03	1.2385+00	4.2944-03	6.0296-03	9.7469-02	9.1680+04	1.0854-03	8.1130+00
357	510.07	1.0904+00	2.0242-01	7.0289-04	2.0242-01	7.0289-04	9.8690-04	1.5953-02	1.5006+04	1.7766-04	7.1680+00
359	519.23	1.3159+00	2.4098-01	8.4325-04	2.4098-01	8.4325-04	1.1840-03	1.9139-02	1.8002+04	2.1321-04	8.1130+00
401	474.39	7.1288+00	5.9874-01	2.0188-03	5.9874-01	2.0188-03	2.8346-03	4.5821-02	4.3099+04	5.0954-04	4.5500-01
403	473.75	8.8904+00	7.3754-01	2.4855-03	7.3754-01	2.4855-03	3.4899-03	5.6414-02	5.3063+04	6.2731-04	6.8600-01
404	479.64	1.4824+01	1.2420+00	4.2057-03	1.2420+00	4.2057-03	5.9051-03	9.5456-02	8.9786+04	1.0617-03	8.0100-01
405	493.50	3.2043+01	2.6929+00	9.2229-03	2.6929+00	9.2229-03	1.2950-02	2.0933-01	1.9690+05	2.3296-03	1.0510+00
406	492.17	3.8049+01	3.2140+00	1.0996-02	3.2140+00	1.0996-02	1.5439-02	2.4957-01	2.3474+05	2.7772-03	1.1670+00
407	495.74	4.1646+01	3.5890+00	1.2315-02	3.5890+00	1.2315-02	1.7291-02	2.7951-01	2.6291+05	3.1108-03	1.2830+00
408	475.57	7.9496+00	6.5238-01	2.2018-03	6.5238-01	2.2018-03	3.0915-03	4.9974-02	4.7006+04	5.5574-04	5.1300-01
409	466.94	1.4104+00	1.1717-01	3.9271-04	1.1717-01	3.9271-04	5.5139-04	8.9132-03	8.3838+03	9.9087-05	5.7000-01
410	472.09	7.3958+00	5.9453-01	2.0009-03	5.9453-01	2.0009-03	2.8094-03	4.5414-02	4.2717+04	5.0496-04	6.2800-01
411	466.32	1.8888+00	1.5685-01	5.2544-04	1.5685-01	5.2544-04	7.3776-04	1.1926-02	1.1217+04	1.3257-04	6.8600-01
412	478.58	8.9636+00	7.4600-01	2.5240-03	7.4600-01	2.5240-03	3.5438-03	5.7285-02	5.3883+04	6.3713-04	7.4400-01
413	465.35	3.0717+00	2.5643-01	8.5836-04	2.5643-01	8.5836-04	1.2052-03	1.9482-02	1.8325+04	2.1656-04	8.0100-01
414	480.40	1.8475+01	1.5394+00	5.2160-03	1.5394+00	5.2160-03	7.3236-03	1.1839-01	1.1135+05	1.3168-03	8.5900-01
415	464.48	4.1823+00	3.4689-01	1.1603-03	3.4689-01	1.1603-03	1.6292-03	2.6335-02	2.4771+04	2.9274-04	9.1700-01
416	476.69	7.2249+00	5.6024-01	1.8895-03	5.6024-01	1.8895-03	2.6530-03	4.2885-02	4.0338+04	4.7690-04	5.7000-01
417	490.42	3.3704+01	2.8268+00	9.6571-03	2.8268+00	9.6571-03	1.3559-02	2.1918-01	2.0617+05	2.4389-03	1.0520+00

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8.06562+01 4.81644-03 3.39916-01 4.41864+03 5.01015-06 6.53315-08 2.84282-02 7.72000+00 6.71234-06 7.51391-02

1	465.83	3.2291+00	5.4570-01	1.8273-03	5.4570-01	1.8273-03	2.5655-03	4.1475-02	3.9016+04	4.6111-04	4.1100-01
2	478.24	2.3133+01	3.9418+00	1.3333-02	3.9418+00	1.3333-02	1.8719-02	3.0261-01	2.8467+05	3.3661-03	7.1100-01
3	465.93	1.4470+01	2.4456+00	8.1897-03	2.4456+00	8.1897-03	1.1498-02	1.8588-01	1.7486+05	2.0666-03	1.3070+00
4	458.42	1.5713+01	2.6422+00	8.7953-03	2.6422+00	8.7953-03	1.2348-02	1.9962-01	1.8779+05	2.2188-03	1.6410+00
5	451.49	1.0807+01	1.8933+00	6.2673-03	1.8933+00	6.2673-03	8.7991-03	1.4225-01	1.3382+05	1.5806-03	1.7720+00
6	470.35	3.0836+00	5.1506-01	1.7310-03	5.1506-01	1.7310-03	2.4303-03	3.9288-02	3.6959+04	4.3688-04	2.4660+00
7	489.52	1.4509+00	2.4470-01	8.3533-04	2.4470-01	8.3533-04	1.1728-03	1.8959-02	1.7835+04	2.1099-04	3.0090+00
8	499.13	1.7039+00	2.8658-01	9.8608-04	2.8658-01	9.8608-04	1.3844-03	2.2381-02	2.1054+04	2.4916-04	3.3930+00
9	504.53	1.6675+00	2.8143-01	9.7273-04	2.8143-01	9.7273-04	1.3657-03	2.2078-02	2.0769+04	2.4584-04	3.7770+00
10	504.82	1.4608+00	2.4732-01	8.5504-04	2.4732-01	8.5504-04	1.2005-03	1.9407-02	1.8256+04	2.1610-04	5.3230+00
14	461.50	1.1241+01	1.8942+00	6.3208-03	1.8942+00	6.3208-03	8.8741-03	1.4346-01	1.3496+05	1.5947-03	1.0880+00
15	471.99	2.3366+01	3.9651+00	1.3344-02	3.9651+00	1.3344-02	1.8734-02	3.0285-01	2.8490+05	3.3679-03	1.3070+00
16	475.57	3.1251+01	5.3157+00	1.7941-02	5.3157+00	1.7941-02	2.5188-02	4.0719-01	3.8306+05	4.5289-03	1.6410+00
19	468.37	1.7600+00	2.7093-01	9.0910-04	2.7093-01	9.0910-04	1.2763-03	2.0634-02	1.9410+04	2.2943-04	4.1100-01
20	473.84	1.2469+01	2.0193+00	6.8058-03	2.0193+00	6.8058-03	9.5550-03	1.5447-01	1.4531+05	1.7179-03	7.1100-01
21	468.03	1.7205+01	2.8182+00	9.4539-03	2.8182+00	9.4539-03	1.3273-02	2.1457-01	2.0185+05	2.3858-03	1.0880+00
22	469.96	2.4833+01	4.0976+00	1.3767-02	4.0976+00	1.3767-02	1.9328-02	3.1246-01	2.9394+05	3.4745-03	1.3070+00
23	467.55	2.6054+01	4.2276+00	1.4176-02	4.2276+00	1.4176-02	1.9903-02	3.2175-01	3.0268+05	3.5775-03	1.6410+00
24	479.92	8.2961-01	1.3780-01	4.6672-04	1.3780-01	4.6672-04	6.5526-04	1.0593-02	9.9651+03	1.1784-04	3.0090+00
25	493.64	7.2675-01	1.1887-01	4.0718-04	1.1887-01	4.0718-04	5.7167-04	9.2416-03	8.6938+03	1.0286-04	3.3930+00
26	500.96	6.4520-01	1.0668-01	3.6765-04	1.0668-01	3.6765-04	5.1617-04	8.3444-03	7.8498+03	9.2904-05	3.7770+00
27	488.55	2.2999+01	3.7611+00	1.2829-02	3.7611+00	1.2829-02	1.8012-02	2.9118-01	2.7392+05	3.2402-03	7.1100-01
28	490.38	3.7842+01	6.2906+00	2.1489-02	6.2906+00	2.1489-02	3.0170-02	4.8774-01	4.5883+05	5.4280-03	1.0880+00
29	480.75	3.2889+01	5.5150+00	1.8692-02	5.5150+00	1.8692-02	2.6243-02	4.2424-01	3.9910+05	4.7195-03	1.3070+00
30	463.84	2.1501+01	3.5757+00	1.1954-02	3.5757+00	1.1954-02	1.6784-02	2.7133-01	2.5524+05	3.0163-03	1.6410+00
31	452.24	1.1171+01	1.8705+00	6.1959-03	1.8705+00	6.1959-03	8.6988-03	1.4063-01	1.3229+05	1.5626-03	1.7720+00
32	465.20	1.5101+00	2.5137-01	8.4131-04	2.5137-01	8.4131-04	1.1812-03	1.9095-02	1.7963+04	2.1229-04	2.4660+00
33	488.47	1.2868+00	2.1816-01	7.4408-04	2.1816-01	7.4408-04	1.0447-03	1.6888-02	1.5887+04	1.8793-04	3.0090+00
34	499.57	9.8858-01	1.6631-01	5.7248-04	1.6631-01	5.7248-04	8.0374-04	1.2993-02	1.2223+04	1.4466-04	3.3930+00
35	505.14	9.3091-01	1.5056-01	5.2067-04	1.5056-01	5.2067-04	7.3100-04	1.1817-02	1.1117+04	1.3159-04	3.7770+00
36	489.69	3.7599+01	6.2663+00	2.1394-02	6.2663+00	2.1394-02	3.0037-02	4.8558-01	4.5680+05	5.4038-03	1.3070+00
37	468.18	3.0281+00	5.1104-01	1.7145-03	5.1104-01	1.7145-03	2.4071-03	3.8913-02	3.6607+04	4.3267-04	2.4660+00
38	493.85	1.3179+00	2.2090-01	7.5680-04	2.2090-01	7.5680-04	1.0625-03	1.7177-02	1.6159+04	1.9119-04	3.0090+00
39	504.49	1.0951+00	1.8370-01	6.3491-04	1.8370-01	6.3491-04	8.9140-04	1.4410-02	1.3556+04	1.6046-04	3.3930+00
40	508.54	8.9091-01	1.4848-01	5.1493-04	1.4848-01	5.1493-04	7.2294-04	1.1687-02	1.0994+04	1.3016-04	3.7770+00
41	509.46	6.7429-01	1.1004-01	3.8192-04	1.1004-01	3.8192-04	5.3620-04	8.6683-03	8.1545+03	9.6544-05	4.1620+00
43	498.64	6.8831-01	1.1747-01	4.0403-04	1.1747-01	4.0403-04	5.6724-04	9.1701-03	8.6266+03	1.0209-04	5.3230+00
47	465.43	1.9418+00	3.1560-01	1.0565-03	3.1560-01	1.0565-03	1.4833-03	2.3978-02	2.2557+04	2.6659-04	7.1100-01
48	459.16	8.6379+00	1.4235+00	4.7412-03	1.4235+00	4.7412-03	6.6565-03	1.0761-01	1.0123+05	1.1961-03	1.0880+00
49	463.75	1.8454+01	3.0688+00	1.0259-02	3.0688+00	1.0259-02	1.4403-02	2.3284-01	2.1904+05	2.5885-03	1.3070+00
50	474.93	2.8745+01	4.8446+00	1.6342-02	4.8446+00	1.6342-02	2.2944-02	3.7092-01	3.4893+05	4.1253-03	1.6410+00
51	459.04	1.2964+01	2.1809+00	7.2632-03	2.1809+00	7.2632-03	1.0197-02	1.6485-01	1.5508+05	1.8323-03	1.7720+00
52	473.00	1.3423+00	2.2794-01	7.6771-04	2.2794-01	7.6771-04	1.0778-03	1.7424-02	1.6392+04	1.9378-04	2.4660+00
53	495.24	1.4571+00	2.4446-01	8.3846-04	2.4446-01	8.3846-04	1.1772-03	1.9030-02	1.7902+04	2.1183-04	3.0090+00
54	509.71	1.5091+00	2.5246-01	8.7639-04	2.5246-01	8.7639-04	1.2304-03	1.9891-02	1.8712+04	2.2154-04	3.3930+00
55	511.88	1.3278+00	2.1838-01	7.5946-04	2.1838-01	7.5946-04	1.0663-03	1.7237-02	1.6215+04	1.9200-04	3.7770+00
56	467.68	1.1432-02	1.7760-03	5.9560-06	1.7760-03	5.9560-06	8.3620-06	1.3518-04	1.2717+02	1.5030-06	4.1100-01
57	465.40	1.4696+00	2.3740-01	7.9466-04	2.3740-01	7.9466-04	1.1157-03	1.8036-02	1.6967+04	2.0052-04	7.1100-01
58	455.30	2.9532+00	4.8541-01	1.6118-03	4.8541-01	1.6118-03	2.2629-03	3.6582-02	3.4413+04	4.0654-04	1.0880+00
59	448.87	3.6390+00	5.9727-01	1.9731-03	5.9727-01	1.9731-03	2.7701-03	4.4782-02	4.2128+04	4.9755-04	1.3070+00
60	459.73	1.4539+01	2.4111+00	8.0344-03	2.4111+00	8.0344-03	1.1280-02	1.8235-01	1.7154+05	2.0269-03	1.6410+00
61	499.44	6.3221-01	1.0603-01	3.6494-04	1.0603-01	3.6494-04	5.1236-04	8.2829-03	7.7919+03	9.2213-05	3.0090+00
62	509.83	8.2286-01	1.3767-01	4.7795-04	1.3767-01	4.7795-04	6.7103-04	1.0848-02	1.0205+04	1.2082-04	3.3930+00
63	513.99	1.0509+00	1.7307-01	6.0295-04	1.7307-01	6.0295-04	8.4652-04	1.3685-02	1.2874+04	1.5245-04	3.7770+00
64	452.32	1.4405+00	2.4123-01	7.9908-04	2.4123-01	7.9908-04	1.1219-03	1.8136-02	1.7061+04	2.0153-04	1.0880+00
65	444.60	1.7735+00	2.9542-01	9.7261-04	2.9542-01	9.7261-04	1.3655-03	2.2075-02	2.0766+04	2.4522-04	1.3070+00
66	449.37	3.6031+00	6.0215-01	1.9900-03	6.0215-01	1.9900-03	2.7939-03	4.5166-02	4.2489+04	5.0182-04	1.6410+00
69	466.11	5.1273-01	8.6666-02	2.9027-04	8.6666-02	2.9027-04	4.0753-04	6.5882-03	6.1977+03	7.3248-05	4.1100-01
70	456.33	7.7351-01	1.2988-01	4.3162-04	1.2988-01	4.3162-04	6.0598-04	9.7964-03	9.2157+03	1.0887-04	7.1100-01
71	442.64	1.2519+00	2.0765-01	6.8259-04	2.0765-01	6.8259-04	9.5833-04	1.5493-02	1.4574+04	1.7209-04	1.3070+00
72	450.76	2.1418+00	3.5828-01	1.1854-03	3.5828-01	1.1854-03	1.6642-03	2.6904-02	2.5309+04	2.9893-04	1.6410+00
73	510.66	4.7065-01	7.8764-02	2.7370-04	7.8784-02	2.7370-04	3.8427-04	6.2122-03	5.8439+03	6.9192-05	3.7770+00
74	484.38	4.8987-01	8.1850-02	2.7824-04	8.1850-02	2.7824-04	3.9064-04	6.3151-03	5.9408+03	7.0263-05	5.3230+00
77	486.91	1.2805+00	2.1752-01	7.4096-04	2.1752-01	7.4096-04	1.0403-03	1.6817-02	1.5821+04	1.8713-04	3.0090+00
78	498.19	1.2894+00	2.1862-01	7.4962-04	2.1802-01	7.4962-04	1.0524-03	1.7014-02	1.6005+04	1.8941-04	3.3930+00
79	505.37	1.2961+00	2.1623-01	7.4791-04	2.1623-01	7.4791-04	1.0500-03	1.6975-02	1.5969+04	1.8903-04	3.7770+00
80	471.71	2.9439+00	5.0093-01	1.6854-03	5.0093-01	1.6854-03	2.3662-03	3.8252-02	3.5985+04	4.2539-04	2.4660+00
81	490.78	1.4634+00	2.4921-01	8.5162-04	2.4921-01	8.5162-04	1.1956-03	1.9329-02	1.8183+04	2.1511-04	3.0090+00
82	501.88	1.6571+00	2.8172-01	9.7159-04	2.8172-01	9.7159-04	1.3641-03	2.2052-02	2.0745+04	2.4553-04	3.3930+00
83	505.26	1.3590+00	2.2946-01	7.9357-04	2.2946-01	7.9357-04	1.1142-03	1.8012-02	1.6944+04	2.0057-04	3.7770+00
337	510.19	9.0442+00	1.7251+00	5.9909-03	1.7251+00	5.9909-03	8.4110-03	1.3597-01	1.2791+05	1.5145-03	7.1680+00
339	503.78	5.1242+00	9.9418-01	3.4341-03	9.9418-01	3.4341-03	4.8214-03	7.7944-02	7.3323+04	8.6790-04	8.1130+00
340	496.35	1.1917+00	2.2530-01	7.7346-04	2.2530-01	7.7346-04	1.0859-03	1.7555-02	1.6514+04	1.9542-04	8.6180+00
342	508.70	1.1280+01	2.2183+00	7.6941-03	2.2183+00	7.6941-03	1.0802-02	1.7463-01	1.6428+05	1.9449-03	7.1680+00
344	496.22	3.7288+00	7.2372-01	2.4843-03	7.2372-01	2.4843-03	3.4878-03	5.6385-02	5.3042+04	6.2765-04	8.1130+00
347	505.37	6.5927+00	1.2537+00	4.3362-03	1.2537+00	4.3362-03	6.0878-03	9.8417-02	9.2583+04	1.0959-03	7.1680+00
349	502.98	4.7081+00	9.1536-01	3.1598-03	9.1536-01	3.1598-03	4.4362-03	7.1716-02	6.7465+04	7.9853-04	8.1130+00
350	497.27	8.5351-01	1.5242-01	5.2365-04	1.5242-01	5.2365-04	7.3519-04	1.1885-02	1.1181+04	1.3231-04	8.6180+00
352	501.81	3.9543+00	7.3223-01	2.5251-03	7.3223-01	2.5251-03	3.5452-03	5.7312-02	5.3915+04	6.3812-04	7.1680+00
354	509.96	6.3455+00	1.2360+00	4.2914-03	1.2360+00	4.2914-03	6.0250-03	9.7401-02	9.1628+04	1.0848-03	8.1130+00
357	510.33	1.0327+00	1.9175-01	6.6597-04	1.9175-01	6.6597-04	9.3500-04	1.5115-02	1.4219+04	1.6835-04	7.1680+00
359	519.60	1.3740+00	2.5169-01	8.8101-04	2.5169-01	8.8101-04	1.2369-03	1.9996-02	1.8811+04	2.2280-04	8.1130+00
401	476.15	6.8956+00	5.7982-01	1.9578-03	5.7982-01	1.9578-03	2.7488-03	4.4437-02	4.1803+04	4.9425-04	4.5500-01
403	475.94	8.6473+00	7.1841-01	2.4254-03	7.1841-01	2.4254-03	3.4052-03	5.5049-02	5.1786+04	6.1228-04	6.8600-01
404	483.28	1.4401+01	1.2094+00	4.1076-03	1.2094+00	4.1076-03	5.7670-03	9.3230-02	8.7703+04	1.0372-03	8.0100-01
405	501.35	3.0893+01	2.6095+00	8.9955-03	2.6095+00	8.9955-03	1.2629-02	2.0417-01	1.9207+05	2.2732-03	1.0510+00
406	501.52	3.6629+01	3.1128+00	1.0732-02	3.1128+00	1.0732-02	1.5067-02	2.4358-01	2.2914+05	2.7120-03	1.1670+00
407	505.89	3.9791+01	3.4515+00	1.1943-02	3.4515+00	1.1943-02	1.6768-02	2.7107-01	2.5501+05	3.0187-03	1.2830+00
408	477.57	7.8930+00	6.4859-01	2.1926-03	6.4859-01	2.1926-03	3.0783-03	4.9764-02	4.6814+04	5.5354-04	5.1300-01
409	467.30	1.4566+00	1.2104-01	4.0580-04	1.2104-01	4.0580-04	5.6973-04	9.2103-03	8.6644+03	1.0241-04	5.7000-01
410	473.96	7.4634+00	6.0070-01	2.0247-03	6.0070-01	2.0247-03	2.8427-03	4.5955-02	4.3231+04	5.1109-04	6.2800-01
411	466.80	1.9668+00	1.6338-01	5.4751-04	1.6338-01	5.4751-04	7.6869-04	1.2427-02	1.1690+04	1.3816-04	6.8600-01
412	480.87	9.0109+00	7.5106-01	2.5458-03	7.5106-01	2.5458-03	3.5742-03	5.7782-02	5.4357+04	6.4280-04	7.4400-01
413	466.13	3.0031+00	2.5084-01	8.4015-04	2.5084-01	8.4015-04	1.1795-03	1.9069-02	1.7938+04	2.1201-04	8.0100-01
414	484.95	1.8041+01	1.5077+00	5.1277-03	1.5077+00	5.1277-03	7.1991-03	1.1638-01	1.0948+05	1.2949-03	8.5900-01
415	465.57	4.4598+00	3.7016-01	1.2393-03	3.7016-01	1.2393-03	1.7399-03	2.8127-02	2.6460+04	3.1271-04	9.1700-01
416	476.50	7.1855+00	5.5785-01	1.8842-03	5.5785-01	1.8842-03	2.6453-03	4.2765-02	4.0230+04	4.7566-04	5.7000-01
417	498.81	3.3062+01	2.7881+00	9.5910-03	2.7881+00	9.5910-03	1.3465-02	2.1768-01	2.0478+05	2.4234-03	1.0520+00

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8.06652+01 4.81637-03 3.39911-01 4.41889+03 5.00951-06 6.53388-08 2.84230-02 7.72000+00 6.71319-06 7.51380-02

1	467.42	3.2545+00	5.5059-01	1.8461-03	5.5059-01	1.8461-03	2.5920-03	4.1899-02	3.9411+04	4.6580-04	4.1100-01
2	489.59	2.2319+01	3.8315+00	1.3081-02	3.8315+00	1.3081-02	1.8366-02	2.9688-01	2.7925+05	3.3034-03	7.1100-01
3	473.09	1.4546+01	2.4702+00	8.3201-03	2.4702+00	8.3201-03	1.1682-02	1.8884-01	1.7762+05	2.0998-03	1.3070+00
4	466.40	1.5804+01	2.6719+00	8.9510-03	2.6719+00	8.9510-03	1.2568-02	2.0316-01	1.9109+05	2.2584-03	1.6410+00
5	456.89	1.0997+01	1.9337+00	6.4288-03	1.9337+00	6.4288-03	9.0264-03	1.4591-01	1.3725+05	1.6214-03	1.7720+00
6	471.89	3.1860+00	5.3270-01	1.7925-03	5.3270-01	1.7925-03	2.5168-03	4.0685-02	3.8268+04	4.5237-04	2.4660+00
7	490.25	1.4447+00	2.4376-01	8.3264-04	2.4376-01	8.3264-04	1.1691-03	1.8898-02	1.7776+04	2.1028-04	3.0090+00
8	500.04	1.8332+00	3.0851-01	1.0624-03	3.0851-01	1.0624-03	1.4916-03	2.4112-02	2.2680+04	2.6841-04	3.3930+00
9	505.35	1.6234+00	2.7412-01	9.4811-04	2.7412-01	9.4811-04	1.3312-03	2.1519-02	2.0241+04	2.3959-04	3.7770+00
10	505.55	1.4790+00	2.5052-01	8.6662-04	2.5052-01	8.6662-04	1.2168-03	1.9669-02	1.8501+04	2.1900-04	5.3230+00
14	467.31	1.2011+01	2.0319+00	6.8121-03	2.0319+00	6.8121-03	9.5647-03	1.5461-01	1.4543+05	1.7188-03	1.0880+00
15	483.88	2.4147+01	4.1299+00	1.4033-02	4.1299+00	1.4033-02	1.9704-02	3.1851-01	2.9959+05	3.5432-03	1.3070+00
16	491.03	3.0382+01	5.2205+00	1.7844-02	5.2205+00	1.7844-02	2.5054-02	4.0499-01	3.8094+05	4.5066-03	1.6410+00
19	469.28	1.8436+00	2.8398-01	9.5358-04	2.8398-01	9.5358-04	1.3389-03	2.1643-02	2.0358+04	2.4063-04	4.1100-01
20	480.39	1.3523+01	2.1996+00	7.4530-03	2.1996+00	7.4530-03	1.0465-02	1.6916-01	1.5911+05	1.8815-03	7.1100-01
21	476.73	1.7621+01	2.9031+00	9.8073-03	2.9031+00	9.8073-03	1.3770-02	2.2259-01	2.0937+05	2.4755-03	1.0880+00
22	482.34	2.4753+01	4.1179+00	1.3975-02	4.1179+00	1.3975-02	1.9622-02	3.1719-01	2.9835+05	3.5283-03	1.3070+00
23	480.45	2.5599+01	4.1896+00	1.4196-02	4.1896+00	1.4196-02	1.9932-02	3.2221-01	3.0307+05	3.5839-03	1.6410+00
24	480.36	9.2104-01	1.5303-01	5.1849-04	1.5303-01	5.1849-04	7.2799-04	1.1768-02	1.1069+04	1.3089-04	3.0090+00
25	494.00	7.1325-01	1.1669-01	3.9982-04	1.1669-01	3.9982-04	5.6137-04	9.0746-03	8.5356+03	1.0099-04	3.3930+00
26	501.29	6.8935-01	1.1401-01	3.9300-04	1.1401-01	3.9300-04	5.5180-04	8.9198-03	8.3900+03	9.9297-05	3.7770+00
27	499.67	2.1283+01	3.5055+00	1.2068-02	3.5055+00	1.2068-02	1.6944-02	2.7389-01	2.5763+05	3.0488-03	7.1100-01
28	508.76	3.5722+01	6.0088+00	2.0842-02	6.0088+00	2.0842-02	2.9264-02	4.7304-01	4.4495+05	5.2676-03	1.0880+00
29	497.27	3.3193+01	5.6762+00	1.9329-02	5.6262+00	1.9329-02	2.7140-02	4.3871-01	4.1265+05	4.8830-03	1.3070+00
30	474.53	2.1255+01	3.5601+00	1.2005-02	3.5601+00	1.2005-02	1.6856-02	2.7248-01	2.5630+05	3.0301-03	1.6410+00
31	457.92	1.1571+01	1.9450+00	6.4719-03	1.9450+00	6.4719-03	9.0869-03	1.4689-01	1.3817+05	1.6324-03	1.7720+00
32	466.01	1.6821+00	2.8014-01	9.3822-04	2.8014-01	9.3822-04	1.3173-03	2.1294-02	2.0030+04	2.3672-04	2.4660+00
33	489.12	1.2592+00	2.1358-01	7.2886-04	2.1358-01	7.2886-04	1.0234-03	1.6543-02	1.5560+04	1.8407-04	3.0090+00
34	500.08	9.4442-01	1.5894-01	5.4731-04	1.5894-01	5.4731-04	7.6846-04	1.2422-02	1.1684+04	1.3828-04	3.3930+00
35	505.59	9.4545-01	1.5296-01	5.2915-04	1.5296-01	5.2915-04	7.4297-04	1.2010-02	1.1297+04	1.3372-04	3.7770+00
36	507.94	3.5283+01	5.9498+00	2.0623-02	5.9498+00	2.0623-02	2.8956-02	4.6808-01	4.4028+05	5.2121-03	1.3070+00
37	469.69	3.0582+00	5.1664-01	1.7354-03	5.1664-01	1.7354-03	2.4366-03	3.9388-02	3.7048+04	4.3792-04	2.4660+00
38	494.46	1.2265+00	2.0566-01	7.0494-04	2.0566-01	7.0494-04	9.8978-04	1.6000-02	1.5049+04	1.7806-04	3.0090+00
39	504.97	9.8961-01	1.6606-01	5.7418-04	1.6606-01	5.7418-04	8.0619-04	1.3032-02	1.2258+04	1.4510-04	3.3930+00
40	508.98	8.7792-01	1.4636-01	5.0775-04	1.4636-01	5.0775-04	7.1291-04	1.1524-02	1.0840+04	1.2833-04	3.7770+00
41	509.79	6.7429-01	1.1007-01	3.8211-04	1.1007-01	3.8211-04	5.3650-04	8.6726-03	8.1574+03	9.6578-05	4.1620+00
43	499.01	7.2312-01	1.2344-01	4.2469-04	1.2344-01	4.2469-04	5.9629-04	9.6391-03	9.0665+03	1.0729-04	5.3230+00
47	466.33	1.7434+00	2.8352-01	9.4977-04	2.8352-01	9.4977-04	1.3335-03	2.1557-02	2.0276+04	2.3964-04	7.1100-01
48	463.50	8.7205+00	1.4413+00	4.8173-03	1.4413+00	4.8173-03	6.7638-03	1.0934-01	1.0284+05	1.2153-03	1.0880+00
49	472.96	1.8420+01	3.0820+00	1.0380-02	3.0820+00	1.0380-02	1.4574-02	2.3559-01	2.2160+05	2.6196-03	1.3070+00
50	489.08	2.7898+01	4.7456+00	1.6194-02	4.7456+00	1.6194-02	2.2738-02	3.6756-01	3.4573+05	4.0897-03	1.6410+00
51	465.61	1.3298+01	2.2469+00	7.5226-03	2.2469+00	7.5226-03	1.0562-02	1.7074-01	1.6060+05	1.8980-03	1.7720+00
52	473.69	1.3584+00	2.3078-01	7.7770-04	2.3078-01	7.7770-04	1.0919-03	1.7651-02	1.6603+04	1.9628-04	2.4660+00
53	495.97	1.4670+00	2.4623-01	8.4504-04	2.4623-01	8.4504-04	1.1865-03	1.9180-02	1.8040+04	2.1347-04	3.0090+00
54	510.46	1.4769+00	2.4719-01	8.5862-04	2.4719-01	8.5862-04	1.2056-03	1.9488-02	1.8330+04	2.1702-04	3.3930+00
55	512.52	1.2006+00	1.9744-01	6.8701-04	1.9744-01	6.8701-04	9.6460-04	1.5593-02	1.4667+04	1.7366-04	3.7770+00
56	467.83	4.4416-01	6.9068-02	2.3145-04	6.9008-02	2.3145-04	3.2497-04	5.2531-03	4.9411+03	5.8400-05	4.1100-01
57	466.15	1.5153+00	2.4490-01	8.2029-04	2.4490-01	8.2029-04	1.1517-03	1.8618-02	1.7512+04	2.0697-04	7.1100-01
58	456.78	2.9506+00	4.8547-01	1.6139-03	4.8547-01	1.6139-03	2.2660-03	3.6629-02	3.4454+04	4.0704-04	1.0880+00
59	450.70	3.5257+00	5.7941-01	1.9169-03	5.7941-01	1.9169-03	2.6914-03	4.3506-02	4.0922+04	4.8334-04	1.3070+00
60	466.98	1.4513+01	2.4187+00	8.1067-03	2.4187+00	8.1067-03	1.1382-02	1.8400-01	1.7307+05	2.0454-03	1.6410+00
61	499.76	6.2078-01	1.0414-01	3.5851-04	1.0414-01	3.5851-04	5.0337-04	8.1370-03	7.6537+03	9.0577-05	3.0090+00
62	510.24	7.9740-01	1.3345-01	4.6344-04	1.3345-01	4.6344-04	6.5070-04	1.0519-02	9.8938+03	1.1714-04	3.3930+00
63	514.45	9.5065-01	1.5661-01	5.4580-04	1.5661-01	5.4580-04	7.6634-04	1.2388-02	1.1652+04	1.3798-04	3.7770+00
64	453.20	1.6561+00	2.7749-01	9.1986-04	2.7749-01	9.1986-04	1.2915-03	2.0878-02	1.9638+04	2.3197-04	1.0880+00
65	445.48	1.7803+00	2.9672-01	9.7758-04	2.9672-01	9.7758-04	1.3726-03	2.2188-02	2.0870+04	2.4645-04	1.3070+00
66	451.14	3.2078+00	5.3673-01	1.7763-03	5.3673-01	1.7763-03	2.4940-03	4.0316-02	3.7921+04	4.4791-04	1.6410+00
69	466.39	5.1740-01	8.7472-02	2.9304-04	8.7472-02	2.9304-04	4.1144-04	6.6510-03	6.2560+03	7.3936-05	4.1100-01
70	456.67	6.4935-01	1.0906-01	3.6253-04	1.0906-01	3.6253-04	5.0901-04	8.2281-03	7.7394+03	9.1433-05	7.1100-01
71	443.21	1.1486+00	1.9058-01	6.2676-04	1.9058-01	6.2676-04	8.8000-04	1.4225-02	1.3380+04	1.5799-04	1.3070+00
72	451.75	1.6582+00	2.7757-01	9.1903-04	2.7757-01	9.1903-04	1.2904-03	2.0859-02	1.9620+04	2.3175-04	1.6410+00
73	510.84	3.6260-01	6.0704-02	2.1092-04	6.0704-02	2.1092-04	2.9615-04	4.7873-03	4.5029+03	5.3314-05	3.7770+00
74	484.57	3.8286-01	6.3978-02	2.1752-04	6.3978-02	2.1752-04	3.0541-04	4.9370-03	4.6437+03	5.4922-05	5.3230+00
77	487.56	1.3299+00	2.2600-01	7.7026-04	2.2600-01	7.7026-04	1.0815-03	1.7482-02	1.6444+04	1.9451-04	3.0090+00
78	498.81	1.2504+00	2.1152-01	7.2763-04	2.1152-01	7.2763-04	1.0216-03	1.6515-02	1.5534+04	1.8383-04	3.3930+00
79	506.01	1.3060+00	2.1797-01	7.5431-04	2.1797-01	7.5431-04	1.0591-03	1.7120-02	1.6103+04	1.9062-04	3.7770+00
80	473.23	3.0847+00	5.2541-01	1.7699-03	5.2541-01	1.7699-03	2.4851-03	4.0171-02	3.7785+04	4.4669-04	2.4660+00
81	491.54	1.5444+00	2.6314-01	8.9977-04	2.6314-01	8.9977-04	1.2633-03	2.0422-02	1.9209+04	2.2725-04	3.0090+00
82	502.69	1.6909+00	2.8761-01	9.9256-04	2.8761-01	9.9256-04	1.3936-03	2.2528-02	2.1190+04	2.5080-04	3.3930+00
83	505.86	1.2753+00	2.1542-01	7.4540-04	2.1542-01	7.4540-04	1.0466-03	1.6918-02	1.5913+04	1.8837-04	3.7770+00
337	514.71	9.0774+00	1.7364+00	6.0530-03	1.7364+00	6.0530-03	8.4988-03	1.3738-01	1.2922+05	1.5302-03	7.1680+00
339	506.36	5.1371+00	9.9834-01	3.4559-03	9.9834-01	3.4559-03	4.8523-03	7.8438-02	7.3779+04	8.7336-04	8.1130+00
340	496.93	1.1434+00	2.1625-01	7.4274-04	2.1625-01	7.4274-04	1.0429-03	1.6858-02	1.5856+04	1.8763-04	8.6180+00
342	514.38	1.1231+01	2.2167+00	7.7251-03	2.2167+00	7.7251-03	1.0846-02	1.7533-01	1.6492+05	1.9529-03	7.1680+00
344	498.07	3.7091+00	7.2074-01	2.4778-03	7.2074-01	2.4778-03	3.4790-03	5.6238-02	5.2898+04	6.2598-04	8.1130+00
347	508.69	6.6935+00	1.2755+00	4.4240-03	1.2755+00	4.4240-03	6.2116-03	1.0041-01	9.4447+04	1.1181-03	7.1680+00
349	505.33	4.6218+00	8.9995-01	3.1126-03	8.9995-01	3.1126-03	4.3704-03	7.0647-02	6.6451+04	7.8658-04	8.1130+00
350	497.71	8.7948-01	1.5710-01	5.3994-04	1.5710-01	5.3994-04	7.5811-04	1.2255-02	1.1527+04	1.3640-04	8.6180+00
352	503.81	4.1117+00	7.6235-01	2.6334-03	7.6235-01	2.6334-03	3.6974-03	5.9769-02	5.6219+04	6.6543-04	7.1680+00
354	513.10	6.4078+00	1.2506+00	4.3537-03	1.2506+00	4.3537-03	6.1128-03	9.8814-02	9.2945+04	1.1005-03	8.1130+00
357	510.83	9.2779-01	1.7232-01	5.9874-04	1.7232-01	5.9874-04	8.4067-04	1.3589-02	1.2782+04	1.5134-04	7.1680+00
359	520.24	1.0291+00	1.8858-01	6.6046-04	1.8858-01	6.6046-04	9.2733-04	1.4990-02	1.4100+04	1.6700-04	8.1130+00
401	479.51	6.5029+00	5.4802-01	1.8555-03	5.4802-01	1.8555-03	2.6053-03	4.2114-02	3.9613+04	4.6841-04	4.5500-01
403	480.15	8.1548+00	6.7938-01	2.3015-03	6.7938-01	2.3015-03	3.2315-03	5.2236-02	4.9134+04	5.8101-04	6.8600-01
404	490.23	1.3327+01	1.1243+00	3.8404-03	1.1243+00	3.8404-03	5.3922-03	8.7165-02	8.1988+04	9.6991-04	8.0100-01
405	516.22	2.8625+01	2.4408+00	8.5195-03	2.4408+00	8.5195-03	1.1962-02	1.9336-01	1.8188+05	2.1539-03	1.0510+00
406	519.16	3.4187+01	2.9379+00	1.0280-02	2.9379+00	1.0280-02	1.4434-02	2.3332-01	2.1946+05	2.5993-03	1.1670+00
407	524.96	3.6839+01	3.2341+00	1.1372-02	3.2341+00	1.1372-02	1.5967-02	2.5810-01	2.4277+05	2.8760-03	1.2830+00
408	481.43	7.5896+00	6.2525-01	2.1203-03	6.2525-01	2.1203-03	2.9771-03	4.8125-02	4.5266+04	5.3531-04	5.1300-01
409	468.07	1.4961+00	1.2439-01	4.1727-04	1.2439-01	4.1727-04	5.8588-04	9.4707-03	8.9082+03	1.0529-04	5.7000-01
410	477.65	7.3694+00	5.9459-01	2.0102-03	5.9459-01	2.0102-03	2.8224-03	4.5624-02	4.2914+04	5.0741-04	6.2800-01
411	467.79	2.0208+00	1.6798-01	5.6337-04	1.6798-01	5.6337-04	7.9101-04	1.2787-02	1.2027+04	1.4215-04	6.8600-01
412	485.37	8.7839+00	7.3431-01	2.4982-03	7.3431-01	2.4982-03	3.5076-03	5.6701-02	5.3333+04	6.3080-04	7.4400-01
413	467.60	3.2681+00	2.7324-01	9.1626-04	2.7324-01	9.1626-04	1.2865-03	2.0796-02	1.9561+04	2.3119-04	8.0100-01
414	493.79	1.7183+01	1.4443+00	4.9479-03	1.4443+00	4.9479-03	6.9472-03	1.1230-01	1.0563+05	1.2498-03	8.5900-01
415	467.93	4.9808+00	4.1407-01	1.3889-03	4.1407-01	1.3889-03	1.9501-03	3.1523-02	2.9651+04	3.5045-04	9.1700-01
416	480.09	7.1403+00	5.5566-01	1.8823-03	5.5566-01	1.8823-03	2.6428-03	4.2722-02	4.0184+04	4.7518-04	5.7000-01
417	514.92	3.1350+01	2.6710+00	9.3126-03	2.6710+00	9.3126-03	1.3075-02	2.1136-01	1.9881+05	2.3543-03	1.0520+00

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8.03433+01 4.76077-03 3.35934-01 4.40971+03 4.97152-06 6.50781-08 2.82616-02 7.72000+00 6.68262-06 7.51806-02

1	440.92	5.0546+00	8.3981-01	2.7730-03	8.3981-01	2.7730-03	3.9314-03	6.3117-02	5.9471+04	6.9854-04	4.1100-01
2	434.48	1.1252+01	1.8612+00	6.1144-03	1.8612+00	6.1144-03	8.6687-03	1.3917-01	1.3113+05	1.5399-03	7.1100-01
3	433.10	2.4382+01	4.0291+00	1.3222-02	4.0291+00	1.3222-02	1.8745-02	3.0094-01	2.8356+05	3.3296-03	1.3070+00
4	421.70	3.4455+01	5.6479+00	1.8369-02	5.6479+00	1.8369-02	2.6043-02	4.1811-01	3.9396+05	4.6239-03	1.6410+00
5	408.44	2.7923+01	4.7459+00	1.5278-02	4.7459+00	1.5278-02	2.1660-02	3.4774-01	3.2765+05	3.8437-03	1.7720+00
6	419.75	2.0034+01	3.2315+00	1.0494-02	3.2315+00	1.0494-02	1.4878-02	2.3886-01	2.2506+05	2.6414-03	2.4660+00
7	441.62	9.8448+00	1.6078+00	5.3117-03	1.6078+00	5.3117-03	7.5306-03	1.2090-01	1.1392+05	1.3381-03	3.0090+00
8	461.07	9.3627+00	1.5357+00	5.1532-03	1.5357+00	5.1532-03	7.3058-03	1.1729-01	1.1052+05	1.2991-03	3.3930+00
9	478.77	7.5232+00	1.2486+00	4.2506-03	1.2486+00	4.2506-03	6.0263-03	9.6749-02	9.1160+04	1.0723-03	3.7770+00
10	476.58	6.9891+00	1.1618+00	3.9480-03	1.1618+00	3.9480-03	5.5972-03	8.9860-02	8.4669+04	9.9590-04	5.3230+00
14	431.82	1.4151+01	2.3363+00	7.6592-03	2.3363+00	7.6592-03	1.0859-02	1.7433-01	1.6426+05	1.9287-03	1.0880+00
15	433.97	2.4063+01	3.9787+00	1.3065-02	3.9787+00	1.3065-02	1.8523-02	2.9738-01	2.8021+05	3.2904-03	1.3070+00
16	429.77	3.6633+01	6.0393+00	1.9767-02	6.0393+00	1.9767-02	2.8024-02	4.4991-01	4.2392+05	4.9772-03	1.6410+00
19	444.30	5.7720+00	8.7412-01	2.8941-03	8.7412-01	2.8941-03	4.1030-03	6.5872-02	6.2067+04	7.2913-04	4.1100-01
20	445.60	8.1382+00	1.2931+00	4.2856-03	1.2931+00	4.2856-03	6.0758-03	9.7544-02	9.1910+04	1.0797-03	7.1100-01
21	435.68	1.6859+01	2.7012+00	8.8822-03	2.7012+00	8.8822-03	1.2593-02	2.0217-01	1.9049+05	2.2370-03	1.0880+00
22	429.62	2.3589+01	3.7861+00	1.2391-02	3.7861+00	1.2391-02	1.7567-02	2.8203-01	2.6573+05	3.1199-03	1.3070+00
23	424.89	3.1616+01	4.9816+00	1.6243-02	4.9816+00	1.6243-02	2.3028-02	3.6970-01	3.4834+05	4.0890-03	1.6410+00
24	435.02	9.3388+00	1.5046+00	4.9450-03	1.5046+00	4.9450-03	7.0107-03	1.1255-01	1.0605+05	1.2454-03	3.0090+00
25	452.33	7.2853+00	1.1593+00	3.8630-03	1.1593+00	3.8630-03	5.4768-03	8.7927-02	8.2847+04	9.7355-04	3.3930+00
26	467.51	6.8686+00	1.1111+00	3.7479-03	1.1111+00	3.7479-03	5.3135-03	8.5306-02	8.0378+04	9.4510-04	3.7770+00
27	444.42	9.6390+00	1.5303+00	5.0669-03	1.5303+00	5.0669-03	7.1836-03	1.1533-01	1.0867+05	1.2766-03	7.1100-01
28	435.73	1.6958+01	2.7172+00	8.9352-03	2.7172+00	8.9352-03	1.2668-02	2.0337-01	1.9163+05	2.2504-03	1.0880+00
29	432.02	2.6125+01	4.2380+00	1.3896-02	4.2380+00	1.3896-02	1.9701-02	3.1628-01	2.9801+05	3.4992-03	1.3070+00
30	421.61	3.3179+01	5.3589+00	1.7428-02	5.3589+00	1.7428-02	2.4708-02	3.9668-01	3.7377+05	4.3869-03	1.6410+00
31	413.92	2.5555+01	4.1658+00	1.3467-02	4.1658+00	1.3467-02	1.9093-02	3.0653-01	2.8882+05	3.3889-03	1.7720+00
32	433.43	1.4906+01	2.4277+00	7.9690-03	2.4277+00	7.9690-03	1.1298-02	1.8138-01	1.7090+05	2.0068-03	2.4660+00
33	449.58	7.2188+00	1.1925+00	3.9647-03	1.1925+00	3.9647-03	5.6209-03	9.0240-02	8.5028+04	9.9906-04	3.0090+00
34	465.45	6.6125+00	1.0878+00	3.6632-03	1.0878+00	3.6632-03	5.1934-03	8.3377-02	7.8561+04	9.2365-04	3.3930+00
35	475.11	6.5294+00	1.0356+00	3.5150-03	1.0356+00	3.5150-03	4.9833-03	8.0004-02	7.5383+04	8.8662-04	3.7770+00
36	432.81	2.4904+01	3.9942+00	1.3104-02	3.9942+00	1.3104-02	1.8579-02	2.9827-01	2.8104+05	3.3060-03	1.3070+00
37	433.34	2.0127+01	3.3168+00	1.0886-02	3.3168+00	1.0886-02	1.5434-02	2.4779-01	2.3347+05	2.7415-03	2.4660+00
38	462.16	9.5258+00	1.5636+00	5.2514-03	1.5636+00	5.2514-03	7.4451-03	1.1953-01	1.1262+05	1.3240-03	3.0090+00
39	476.18	6.8821+00	1.1334+00	3.8503-03	1.1334+00	3.8503-03	5.4587-03	8.7637-02	8.2575+04	9.7125-04	3.3930+00
40	483.27	7.7133+00	1.2647+00	4.3213-03	1.2647+00	4.3213-03	6.1265-03	9.8357-02	9.2675+04	1.0904-03	3.7770+00
41	485.71	7.2541+00	1.1659+00	3.9916-03	1.1659+00	3.9916-03	5.6591-03	9.0854-02	8.5606+04	1.0073-03	4.1620+00
43	457.93	6.9372+00	1.1525+00	3.8575-03	1.1525+00	3.8575-03	5.4689-03	8.7801-02	8.2729+04	9.7237-04	5.3230+00
47	441.96	1.0048+01	1.6071+00	5.3111-03	1.6071+00	5.3111-03	7.5297-03	1.2089-01	1.1390+05	1.3379-03	7.1100-01
48	433.74	1.5582+01	2.5233+00	8.2846-03	2.5233+00	8.2846-03	1.1745-02	1.8857-01	1.7767+05	2.0863-03	1.0880+00
49	423.88	2.1974+01	3.5549+00	1.1582-02	3.5549+00	1.1582-02	1.6420-02	2.6361-01	2.4838+05	2.9155-03	1.3070+00
50	418.44	3.6993+01	5.9969+00	1.9455-02	5.9969+00	1.9455-02	2.7582-02	4.4281-01	4.1723+05	4.8965-03	1.6410+00
51	411.51	2.9217+01	4.7545+00	1.5342-02	4.7545+00	1.5342-02	2.1751-02	3.4919-01	3.2902+05	3.8603-03	1.7720+00
52	428.45	1.0055+01	1.6561+00	5.4150-03	1.6561+00	5.4150-03	7.6770-03	1.2325-01	1.1613+05	1.3634-03	2.4660+00
53	460.19	8.9221+00	1.4626+00	4.9043-03	1.4626+00	4.9043-03	6.9530-03	1.1163-01	1.0518+05	1.2363-03	3.0090+00
54	484.16	7.6873+00	1.2650+00	4.3256-03	1.2650+00	4.3256-03	6.1325-03	9.8454-02	9.2767+04	1.0915-03	3.3930+00
55	488.88	7.7829+00	1.2613+00	4.3296-03	1.2613+00	4.3296-03	6.1382-03	9.8545-02	9.2853+04	1.0927-03	3.7770+00
56	442.93	5.6115+00	8.5719-01	2.8349-03	8.5719-01	2.8349-03	4.0192-03	6.4526-02	6.0799+04	7.1419-04	4.1100-01
57	442.28	9.8489+00	1.5661+00	5.1767-03	1.5661+00	5.1767-03	7.3392-03	1.1783-01	1.1102+05	1.3041-03	7.1100-01
58	431.10	1.6222+01	2.6221+00	8.5913-03	2.6221+00	8.5913-03	1.2180-02	1.9555-01	1.8425+05	2.1634-03	1.0880+00
59	422.90	2.3186+01	3.7372+00	1.2166-02	3.7372+00	1.2166-02	1.7249-02	2.7692-01	2.6092+05	3.0626-03	1.3070+00
60	419.11	3.4105+01	5.4987+00	1.7848-02	5.4987+00	1.7848-02	2.5304-02	4.0624-01	3.8277+05	4.4922-03	1.6410+00
61	462.49	8.6873+00	1.4220+00	4.7771-03	1.4220+00	4.7771-03	6.7727-03	1.0873-01	1.0245+05	1.2044-03	3.0090+00
62	484.88	7.6567+00	1.2606+00	4.3128-03	1.2606+00	4.3128-03	6.1145-03	9.8165-02	9.2494+04	1.0883-03	3.3930+00
63	491.86	7.1834+00	1.1664+00	4.0137-03	1.1664+00	4.0137-03	5.6904-03	9.1357-02	8.6079+04	1.0131-03	3.7770+00
64	433.68	1.6224+01	2.6820+00	8.8054-03	2.6820+00	8.8054-03	1.2484-02	2.0042-01	1.8884+05	2.2175-03	1.0880+00
65	425.50	2.2899+01	3.7637+00	1.2278-02	3.7637+00	1.2278-02	1.7407-02	2.7945-01	2.6331+05	3.0910-03	1.3070+00
66	419.84	3.1779+01	5.2023+00	1.6896-02	5.2023+00	1.6896-02	2.3954-02	3.8436-01	3.6235+05	4.2526-03	1.6410+00
69	447.48	6.2650+00	1.0456+00	3.4707-03	1.0456+00	3.4707-03	4.9205-03	7.8997-02	7.4434+04	8.7451-04	4.1100-01
70	442.55	1.0109+01	1.6815+00	5.5594-03	1.6815+00	5.5594-03	7.8818-03	1.2654-01	1.1923+05	1.4005-03	7.1100-01
71	431.36	2.2780+01	3.7487+00	1.2285-02	3.7487+00	1.2285-02	1.7417-02	2.7962-01	2.6347+05	3.0935-03	1.3070+00
72	432.54	3.1094+01	5.1361+00	1.6847-02	5.1361+00	1.6847-02	2.3885-02	3.8346-01	3.6131+05	4.2425-03	1.6410+00
73	475.80	5.4203+00	8.8707-01	3.0124-03	8.8707-01	3.0124-03	4.2708-03	6.8566-02	6.4606+04	7.5989-04	3.7770+00
74	438.86	5.3657+00	8.6941-01	2.8661-03	8.6941-01	2.8661-03	4.0634-03	6.5235-02	6.1467+04	7.2192-04	5.3230+00
77	434.43	1.2819+01	2.1017+00	6.9043-03	2.1017+00	6.9043-03	9.7884-03	1.5715-01	1.4807+05	1.7388-03	3.0090+00
78	458.59	1.0706+01	1.7636+00	5.9062-03	1.7636+00	5.9062-03	8.3734-03	1.3443-01	1.2667+05	1.4888-03	3.3930+00
79	478.43	9.6224+00	1.5775+00	5.3687-03	1.5775+00	5.3687-03	7.6114-03	1.2220-01	1.1514+05	1.3544-03	3.7770+00
80	423.54	2.5587+01	4.2120+00	1.3719-02	4.2120+00	1.3719-02	1.9450-02	3.1225-01	2.9422+05	3.4535-03	2.4660+00
81	443.39	1.3144+01	2.1685+00	7.1743-03	2.1685+00	7.1743-03	1.0171-02	1.6329-01	1.5386+05	1.8074-03	3.0090+00
82	461.69	1.1922+01	1.9739+00	6.6270-03	1.9739+00	6.6270-03	9.3954-03	1.5084-01	1.4212+05	1.6707-03	3.3930+00
83	479.25	1.0232+01	1.6987+00	5.7851-03	1.6987+00	5.7851-03	8.2018-03	1.3168-01	1.2407+05	1.4595-03	3.7770+00
337	472.43	2.2827+01	4.2486+00	1.4388-02	4.2486+00	1.4388-02	2.0399-02	3.2750-01	3.0858+05	3.6290-03	7.1680+00
339	454.80	1.1566+01	2.1726+00	7.2538-03	2.1726+00	7.2538-03	1.0284-02	1.6510-01	1.5557+05	1.8282-03	8.1130+00
340	452.49	3.8525+00	7.0745-01	2.3576-03	7.0745-01	2.3576-03	3.3425-03	5.3662-02	5.0562+04	5.9416-04	8.6180+00
342	472.67	2.2662+01	4.3536+00	1.4747-02	4.3536+00	1.4747-02	2.0907-02	3.3566-01	3.1627+05	3.7195-03	7.1680+00
344	451.90	1.4033+01	2.6447+00	8.8093-03	2.6447+00	8.8093-03	1.2489-02	2.0051-01	1.8893+05	2.2201-03	8.1130+00
347	468.39	2.1543+01	3.9989+00	1.3498-02	3.9989+00	1.3498-02	1.9137-02	3.0724-01	2.8949+05	3.4040-03	7.1680+00
349	453.07	1.2628+01	2.3755+00	7.9201-03	2.3755+00	7.9201-03	1.1229-02	1.8027-01	1.6986+05	1.9960-03	8.1130+00
350	449.11	3.4790+00	6.0169-01	1.9998-03	6.0169-01	1.9998-03	2.8351-03	4.5516-02	4.2887+04	5.0391-04	8.6180+00
352	465.44	2.0966+01	3.7909+00	1.2766-02	3.7909+00	1.2766-02	1.8098-02	2.9056-01	2.7378+05	3.2188-03	7.1680+00
354	458.06	1.1315+01	2.1303+00	7.1311-03	2.1303+00	7.1311-03	1.0110-02	1.6231-01	1.5294+05	1.7976-03	8.1130+00
357	472.70	1.5705+01	2.8456+00	9.6392-03	2.8456+00	9.6392-03	1.3666-02	2.1940-01	2.0672+05	2.4312-03	7.1680+00
359	471.22	8.6296+00	1.5321+00	5.1836-03	1.5321+00	5.1836-03	7.3490-03	1.1798-01	1.1117+05	1.3073-03	8.1130+00
401	447.94	1.2493+01	1.0307+00	3.4224-03	1.0307+00	3.4224-03	4.8520-03	7.7896-02	7.3397+04	8.6234-04	4.5500-01
403	444.98	1.3164+01	1.0710+00	3.5478-03	1.0710+00	3.5478-03	5.0298-03	8.0751-02	7.6087+04	8.9384-04	6.8600-01
404	445.63	1.6500+01	1.3511+00	4.4778-03	1.3511+00	4.4778-03	6.3484-03	1.0192-01	9.6033+04	1.1282-03	8.0100-01
405	447.26	2.5633+01	2.0888+00	6.9320-03	2.0888+00	6.9320-03	9.8277-03	1.5778-01	1.4866+05	1.7466-03	1.0510+00
406	445.83	3.2912+01	2.6953+00	8.9347-03	2.6953+00	8.9347-03	1.2667-02	2.0336-01	1.9162+05	2.2511-03	1.1670+00
407	447.34	4.1289+01	3.4453+00	1.1434-02	3.4453+00	1.1434-02	1.6211-02	2.6026-01	2.4522+05	2.8811-03	1.2830+00
408	446.83	1.3465+01	1.0838+00	3.5954-03	1.0838+00	3.5954-03	5.0973-03	8.1835-02	7.7108+04	9.0590-04	5.1300-01
409	445.34	1.4407+01	1.1795+00	3.9083-03	1.1795+00	3.9083-03	5.5409-03	8.8956-02	8.3818+04	9.8468-04	5.7000-01
410	445.50	1.6096+01	1.2708+00	4.2114-03	1.2708+00	4.2114-03	5.9706-03	9.5855-02	9.0318+04	1.0610-03	6.2800-01
411	446.64	1.8925+01	1.5507+00	5.1436-03	1.5507+00	5.1436-03	7.2923-03	1.1707-01	1.1031+05	1.2960-03	6.8600-01
412	456.18	1.2218+01	1.0017+00	3.3480-03	1.0017+00	3.3480-03	4.7466-03	7.6204-02	7.1802+04	8.4388-04	7.4400-01
413	447.17	2.1789+01	1.7967+00	5.9622-03	1.7967+00	5.9622-03	8.4528-03	1.3571-01	1.2787+05	1.5023-03	8.0100-01
414	445.54	2.0842+01	1.6963+00	5.6219-03	1.6963+00	5.6219-03	7.9703-03	1.2796-01	1.2057+05	1.4164-03	8.5900-01
415	445.38	2.4933+01	2.0412+00	6.7641-03	2.0412+00	6.7641-03	9.5897-03	1.5396-01	1.4506+05	1.7042-03	9.1700-01
416	446.50	1.6539+01	1.2583+00	4.1732-03	1.2583+00	4.1732-03	5.9165-03	9.4986-02	8.9499+04	1.0515-03	5.7000-01
417	446.62	2.9894+01	2.4349+00	8.0763-03	2.4349+00	8.0763-03	1.1450-02	1.8383-01	1.7321+05	2.0349-03	1.0520+00

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8.03343+01 4.76084-03 3.35939-01 4.40946+03 4.97215-06 6.50708-08 2.82668-02 7.72000+00 6.68176-06 7.51818-02

1	442.50	6.7907+00	1.1295+00	3.7342-03	1.1295+00	3.7342-03	5.2937-03	8.4994-02	8.0095+04	9.4085-04	4.1100-01
2	437.36	9.4722+00	1.5699+00	5.1691-03	1.5699+00	5.1691-03	7.3280-03	1.1766-01	1.1087+05	1.3021-03	7.1100-01
3	438.52	2.1915+01	3.6350+00	1.1980-02	3.6350+00	1.1980-02	1.6983-02	2.7268-01	2.5696+05	3.0179-03	1.3070+00
4	431.36	4.1287+01	6.8141+00	2.2331-02	6.8141+00	2.2331-02	3.1657-02	5.0827-01	4.7897+05	5.6239-03	1.6410+00
5	417.44	4.0016+01	6.8455+00	2.2191-02	6.8455+00	2.2191-02	3.1458-02	5.0509-01	4.7597+05	5.5856-03	1.7720+00
6	426.88	3.2987+01	5.3477+00	1.7464-02	5.3477+00	1.7464-02	2.4757-02	3.9749-01	3.7458+05	4.3974-03	2.4660+00
7	445.08	1.5187+01	2.4862+00	8.2365-03	2.4862+00	8.2365-03	1.1676-02	1.8747-01	1.7666+05	2.0754-03	3.0090+00
8	464.36	1.4649+01	2.4082+00	8.1023-03	2.4082+00	8.1023-03	1.1486-02	1.8442-01	1.7379+05	2.0432-03	3.3930+00
9	481.41	1.1819+01	1.9650+00	6.7037-03	1.9650+00	6.7037-03	9.5035-03	1.5258-01	1.4379+05	1.6916-03	3.7770+00
10	478.91	9.9657+00	1.6592+00	5.6488-03	1.6592+00	5.6488-03	8.0079-03	1.2857-01	1.2116+05	1.4253-03	5.3230+00
14	435.49	1.4175+01	2.3462+00	7.7138-03	2.3462+00	7.7138-03	1.0935-02	1.7557-01	1.6545+05	1.9430-03	1.0880+00
15	439.86	2.3540+01	3.9082+00	1.2894-02	3.9082+00	1.2894-02	1.8279-02	2.9348-01	2.7656+05	3.2483-03	1.3070+00
16	439.66	4.1482+01	6.8862+00	2.2715-02	6.8862+00	2.2715-02	3.2202-02	5.1702-01	4.8722+05	5.7226-03	1.6410+00
19	446.15	7.3356+00	1.1123+00	3.6882-03	1.1123+00	3.6882-03	5.2285-03	8.3947-02	7.9108+04	9.2939-04	4.1100-01
20	447.74	8.7034+00	1.3849+00	4.5978-03	1.3849+00	4.5978-03	6.5180-03	1.0465-01	9.8618+04	1.1587-03	7.1100-01
21	439.99	1.6120+01	2.5905+00	8.5474-03	2.5905+00	8.5474-03	1.2117-02	1.9455-01	1.8333+05	2.1534-03	1.0880+00
22	435.72	2.4593+01	3.9641+00	1.3036-02	3.9641+00	1.3036-02	1.8480-02	2.9671-01	2.7960+05	3.2835-03	1.3070+00
23	433.69	3.7359+01	5.9231+00	1.9446-02	5.9231+00	1.9446-02	2.7568-02	4.4262-01	4.1711+05	4.8980-03	1.6410+00
24	438.27	1.4835+01	2.3956+00	7.8936-03	2.3956+00	7.8936-03	1.1190-02	1.7967-01	1.6931+05	1.9885-03	3.0090+00
25	454.87	1.1790+01	1.8795+00	6.2754-03	1.8795+00	6.2754-03	8.8962-03	1.4283-01	1.3460+05	1.5819-03	3.3930+00
26	469.91	1.0783+01	1.7472+00	5.9050-03	1.7472+00	5.9050-03	8.3711-03	1.3440-01	1.2666+05	1.4894-03	3.7770+00
27	446.71	9.1553+00	1.4558+00	4.8291-03	1.4558+00	4.8291-03	6.8460-03	1.0992-01	1.0358+05	1.2169-03	7.1100-01
28	439.98	1.6691+01	2.6823+00	8.8503-03	2.6823+00	8.8503-03	1.2546-02	2.0144-01	1.8983+05	2.2297-03	1.0880+00
29	439.05	2.7392+01	4.4655+00	1.4723-02	4.4655+00	1.4723-02	2.0872-02	3.3511-01	3.1579+05	3.7090-03	1.3070+00
30	431.12	4.0666+01	6.6125+00	2.1666-02	6.6125+00	2.1666-02	3.0714-02	4.9314-01	4.6471+05	5.4564-03	1.6410+00
31	421.75	3.3967+01	5.5681+00	1.8110-02	5.5681+00	1.8110-02	2.5674-02	4.1221-01	3.8845+05	4.5593-03	1.7720+00
32	438.61	2.3384+01	3.8223+00	1.2598-02	3.8223+00	1.2598-02	1.7860-02	2.8675-01	2.7022+05	3.1737-03	2.4660+00
33	452.01	1.1096+01	1.8360+00	6.1162-03	1.8360+00	6.1162-03	8.6706-03	1.3921-01	1.3119+05	1.5416-03	3.0090+00
34	467.72	1.0256+01	1.6897+00	5.7005-03	1.6897+00	5.7005-03	8.0812-03	1.2975-01	1.2227+05	1.4377-03	3.3930+00
35	477.38	1.0122+01	1.6679+00	5.4674-03	1.6079+00	5.4674-03	7.7507-03	1.2444-01	1.1727+05	1.3794-03	3.7770+00
36	439.42	2.5907+01	4.1742+00	1.3767-02	4.1742+00	1.3767-02	1.9516-02	3.1334-01	2.9528+05	3.4682-03	1.3070+00
37	440.18	2.7750+01	4.5947+00	1.5163-02	4.5947+00	1.5163-02	2.1495-02	3.4512-01	3.2523+05	3.8200-03	2.4660+00
38	465.39	1.3228+01	2.1760+00	7.3274-03	2.1760+00	7.3274-03	1.0388-02	1.6678-01	1.5717+05	1.8478-03	3.0090+00
39	478.55	1.0743+01	1.7721+00	6.0314-03	1.7721+00	6.0314-03	8.5503-03	1.3728-01	1.2937+05	1.5218-03	3.3930+00
40	485.83	1.0380+01	1.7049+00	5.8374-03	1.7049+00	5.8374-03	8.2754-03	1.3287-01	1.2521+05	1.4733-03	3.7770+00
41	488.09	9.5403+00	1.5357+00	5.2682-03	1.5357+00	5.2682-03	7.4683-03	1.1991-01	1.1300+05	1.3297-03	4.1620+00
43	460.13	8.7548+00	1.4566+00	4.8841-03	1.4566+00	4.8841-03	6.9239-03	1.1117-01	1.0476+05	1.2314-03	5.3230+00
47	444.71	1.1295+01	1.8101+00	5.9948-03	1.8101+00	5.9948-03	8.4984-03	1.3645-01	1.2858+05	1.5105-03	7.1100-01
48	438.25	1.8140+01	2.9468+00	9.7098-03	2.9468+00	9.7098-03	1.3765-02	2.2100-01	2.0827+05	2.4460-03	1.0880+00
49	430.19	2.7266+01	4.4306+00	1.4506-02	4.4306+00	1.4506-02	2.0564-02	3.3017-01	3.1114+05	3.6531-03	1.3070+00
50	429.28	4.3494+01	7.1050+00	2.3246-02	7.1050+00	2.3246-02	3.2954-02	5.2910-01	4.9860+05	5.8539-03	1.6410+00
51	420.57	3.6361+01	5.9555+00	1.9353-02	5.9555+00	1.9353-02	2.7435-02	4.4049-01	4.1510+05	4.8719-03	1.7720+00
52	431.79	1.3768+01	2.2730+00	7.4513-03	2.2730+00	7.4513-03	1.0563-02	1.6960-01	1.5982+05	1.8766-03	2.4660+00
53	463.12	1.1920+01	1.9578+00	6.5806-03	1.9578+00	6.5806-03	9.3289-03	1.4978-01	1.4115+05	1.6594-03	3.0090+00
54	486.64	1.0115+01	1.6672+00	5.7124-03	1.6672+00	5.7124-03	8.0981-03	1.3002-01	1.2252+05	1.4418-03	3.3930+00
55	491.39	1.0172+01	1.6511+00	5.6796-03	1.6511+00	5.6796-03	8.0516-03	1.2927-01	1.2182+05	1.4338-03	3.7770+00
56	444.72	7.4327+00	1.1368+00	3.7650-03	1.1368+00	3.7650-03	5.3375-03	8.5696-02	8.0756+04	9.4870-04	4.1100-01
57	445.03	1.1550+01	1.8401+00	6.0958-03	1.8401+00	6.0958-03	8.6416-03	1.3875-01	1.3075+05	1.5360-03	7.1100-01
58	435.75	1.9074+01	3.0931+00	1.0172-02	3.0931+00	1.0172-02	1.4420-02	2.3152-01	2.1817+05	2.5621-03	1.0880+00
59	429.95	2.8986+01	4.6954+00	1.5370-02	4.6954+00	1.5370-02	2.1789-02	3.4984-01	3.2968+05	3.8707-03	1.3070+00
60	429.79	4.3219+01	7.0210+00	2.2980-02	7.0210+00	2.2980-02	3.2578-02	5.2306-01	4.9291+05	5.7872-03	1.6410+00
61	465.33	1.1587+01	1.9003+00	6.3985-03	1.9003+00	6.3985-03	9.0708-03	1.4564-01	1.3724+05	1.6136-03	3.0090+00
62	487.37	1.0039+01	1.6555+00	5.6757-03	1.6555+00	5.6757-03	8.0460-03	1.2918-01	1.2174+05	1.4326-03	3.3930+00
63	494.17	9.2296+00	1.5009+00	5.1746-03	1.5009+00	5.1746-03	7.3358-03	1.1778-01	1.1099+05	1.3065-03	3.7770+00
64	438.33	1.8980+01	3.1478+00	1.0373-02	3.1478+00	1.0373-02	1.4705-02	2.3609-01	2.2248+05	2.6130-03	1.0880+00
65	432.39	2.8160+01	4.6509+00	1.5254-02	4.6509+00	1.5254-02	2.1625-02	3.4720-01	3.2718+05	3.8418-03	1.3070+00
66	429.69	4.0391+01	6.6585+00	2.1792-02	6.6585+00	2.1792-02	3.0893-02	4.9601-01	4.6742+05	5.4879-03	1.6410+00
69	449.45	7.7252+00	1.2911+00	4.2922-03	1.2911+00	4.2922-03	6.0848-03	9.7695-02	9.2064+04	1.0817-03	4.1100-01
70	445.32	1.1575+01	1.9290+00	6.3917-03	1.9290+00	6.3917-03	9.0611-03	1.4548-01	1.3709+05	1.6106-03	7.1100-01
71	438.23	2.7294+01	4.5132+00	1.4871-02	4.5132+00	1.4871-02	2.1081-02	3.3847-01	3.1896+05	3.7461-03	1.3070+00
72	441.98	3.7176+01	6.1812+00	2.0427-02	6.1812+00	2.0427-02	2.8958-02	4.6495-01	4.3814+05	5.1467-03	1.6410+00
73	477.55	7.0442+00	1.1542+00	3.9251-03	1.1542+00	3.9251-03	5.5643-03	8.9339-02	8.4189+04	9.9031-04	3.7770+00
74	440.44	6.3205+00	1.0252+00	3.3840-03	1.0252+00	3.3840-03	4.7973-03	7.7024-02	7.2584+04	8.5255-04	5.3230+00
77	438.84	1.7708+01	2.9122+00	9.6000-03	2.9122+00	9.6000-03	1.3609-02	2.1851-01	2.0591+05	2.4184-03	3.0090+00
78	462.29	1.4800+01	2.4441+00	8.2096-03	2.4441+00	8.2096-03	1.1638-02	1.8686-01	1.7609+05	2.0701-03	3.3930+00
79	481.69	1.3236+01	2.1747+00	7.4208-03	2.1747+00	7.4208-03	1.0520-02	1.6890-01	1.5917+05	1.8726-03	3.7770+00
80	432.47	3.6518+01	6.0494+00	1.9842-02	6.0494+00	1.9842-02	2.8129-02	4.5163-01	4.2559+05	4.9974-03	2.4660+00
81	447.87	1.7863+01	2.9560+00	9.8147-03	2.9560+00	9.8147-03	1.3914-02	2.2339-01	2.1052+05	2.4734-03	3.0090+00
82	465.73	1.6289+01	2.7044+00	9.1090-03	2.7044+00	9.1090-03	1.2913-02	2.0733-01	1.9538+05	2.2972-03	3.3930+00
83	482.73	1.3968+01	2.3243+00	7.9382-03	2.3243+00	7.9382-03	1.1254-02	1.8068-01	1.7027+05	2.0033-03	3.7770+00
337	479.36	2.7969+01	5.2297+00	1.7812-02	5.2297+00	1.7812-02	2.5250-02	4.0541-01	3.8204+05	4.4943-03	7.1680+00
339	458.28	1.3812+01	2.6007+00	8.7073-03	2.6007+00	8.7073-03	1.2344-02	1.9819-01	1.8676+05	2.1952-03	8.1130+00
340	453.54	3.9756+00	7.3058-01	2.4367-03	7.3058-01	2.4367-03	3.4544-03	5.5463-02	5.2266+04	6.1422-04	8.6180+00
342	479.42	2.6923+01	5.1953+00	1.7695-02	5.1953+00	1.7695-02	2.5086-02	4.0276-01	3.7955+05	4.4649-03	7.1680+00
344	455.93	1.5704+01	2.9678+00	9.9175-03	2.9678+00	9.9175-03	1.4059-02	2.2573-01	2.1272+05	2.5001-03	8.1130+00
347	474.43	2.3287+01	4.3400+00	1.4722-02	4.3400+00	1.4722-02	2.0871-02	3.3509-01	3.1578+05	3.7140-03	7.1680+00
349	456.62	1.3701+01	2.5837+00	8.6388-03	2.5837+00	8.6388-03	1.2247-02	1.9663-01	1.8529+05	2.1778-03	8.1130+00
350	450.05	3.5449+00	6.1350-01	2.0405-03	6.1350-01	2.0405-03	2.8927-03	4.6444-02	4.3767+04	5.1427-04	8.6180+00
352	471.11	2.1697+01	3.9379+00	1.3322-02	3.9379+00	1.3322-02	1.8886-02	3.0322-01	2.8575+05	3.3604-03	7.1680+00
354	461.31	1.2552+01	2.3684+00	7.9488-03	2.3684+00	7.9488-03	1.1268-02	1.8092-01	1.7049+05	2.0042-03	8.1130+00
357	476.86	1.5897+01	2.8884+00	9.8173-03	2.8884+00	9.8173-03	1.3917-02	2.2345-01	2.1057+05	2.4769-03	7.1680+00
359	473.63	9.4005+00	1.6717+00	5.6668-03	1.6717+00	5.6668-03	8.0335-03	1.2898-01	1.2155+05	1.4295-03	8.1130+00
401	451.79	1.4877+01	1.2306+00	4.0988-03	1.2306+00	4.0988-03	5.8106-03	9.3292-02	8.7915+04	1.0331-03	4.5500-01
403	449.00	1.5150+01	1.2360+00	4.1075-03	1.2360+00	4.1075-03	5.8229-03	9.3490-02	8.8101+04	1.0352-03	6.8600-01
404	450.61	1.8843+01	1.5482+00	5.1517-03	1.5482+00	5.1517-03	7.3033-03	1.1726-01	1.1050+05	1.2984-03	8.0100-01
405	454.54	2.8278+01	2.3158+00	7.7303-03	2.3158+00	7.7303-03	1.0959-02	1.7595-01	1.6581+05	1.9486-03	1.0510+00
406	454.95	3.6649+01	3.0202+00	1.0085-02	3.0202+00	1.0085-02	1.4297-02	2.2954-01	2.1631+05	2.5422-03	1.1670+00
407	458.78	4.5965+01	3.8655+00	1.2947-02	3.8655+00	1.2947-02	1.8354-02	2.9469-01	2.7770+05	3.2642-03	1.2830+00
408	450.89	1.6393+01	1.3231+00	4.4036-03	1.3231+00	4.4036-03	6.2427-03	1.0023-01	9.4452+04	1.1099-03	5.1300-01
409	449.75	1.8845+01	1.5474+00	5.1456-03	1.5474+00	5.1456-03	7.2946-03	1.1712-01	1.1037+05	1.2968-03	5.7000-01
410	450.37	1.8582+01	1.4720+00	4.8971-03	1.4720+00	4.8971-03	6.9423-03	1.1146-01	1.0504+05	1.2342-03	6.2800-01
411	452.70	2.3691+01	1.9493+00	6.4973-03	1.9493+00	6.4973-03	9.2108-03	1.4788-01	1.3936+05	1.6377-03	6.8600-01
412	459.86	1.3678+01	1.1242+00	3.7687-03	1.1242+00	3.7687-03	5.3426-03	8.5779-02	8.0834+04	9.5018-04	7.4400-01
413	454.15	2.6956+01	2.2334+00	7.4527-03	2.2334+00	7.4527-03	1.0565-02	1.6963-01	1.5985+05	1.8786-03	8.0100-01
414	451.67	2.3282+01	1.9029+00	6.3373-03	1.9029+00	6.3373-03	8.9840-03	1.4424-01	1.3593+05	1.5973-03	8.5900-01
415	453.25	3.0251+01	2.4900+00	8.3032-03	2.4900+00	8.3032-03	1.1771-02	1.8899-01	1.7809+05	2.0929-03	9.1700-01
416	451.57	1.9260+01	1.4704+00	4.8966-03	1.4704+00	4.8966-03	6.9416-03	1.1145-01	1.0503+05	1.2342-03	5.7000-01
417	455.12	3.2732+01	2.6816+00	8.9554-03	2.6816+00	8.9554-03	1.2695-02	2.0383-01	1.9208+05	2.2575-03	1.0520+00

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8.03433+01 4.76077-03 3.35934-01 4.40971+03 4.97152-06 6.50781-08 2.82616-02 7.72000+00 6.68262-06 7.51806-02

1	444.52	7.5870+00	1.2637+00	4.1853-03	1.2637+00	4.1853-03	5.9337-03	9.5262-02	8.9759+04	1.0543-03	4.1100-01
2	439.30	7.5839+00	1.2586+00	4.1513-03	1.2586+00	4.1513-03	5.8854-03	9.4488-02	8.9030+04	1.0455-03	7.1100-01
3	443.99	2.1353+01	3.5553+00	1.1770-02	3.5553+00	1.1770-02	1.6687-02	2.6790-01	2.5242+05	2.9648-03	1.3070+00
4	443.03	4.5052+01	7.4963+00	2.4798-02	7.4963+00	2.4798-02	3.5157-02	5.6443-01	5.3182+05	6.2462-03	1.6410+00
5	429.56	4.6323+01	7.9929+00	2.6161-02	7.9929+00	2.6161-02	3.7089-02	5.9545-01	5.6105+05	6.5860-03	1.7720+00
6	437.44	4.0555+01	6.6237+00	2.1814-02	6.6237+00	2.1814-02	3.0927-02	4.9652-01	4.6783+05	5.4935-03	2.4660+00
7	449.79	1.8049+01	2.9643+00	9.8589-03	2.9643+00	9.8589-03	1.3977-02	2.2440-01	2.1144+05	2.4840-03	3.0090+00
8	468.90	1.7619+01	2.9051+00	9.8119-03	2.9051+00	9.8119-03	1.3911-02	2.2333-01	2.1043+05	2.4740-03	3.3930+00
9	485.05	1.4229+01	2.3713+00	8.1155-03	2.3713+00	8.1155-03	1.1506-02	1.8472-01	1.7405+05	2.0476-03	3.7770+00
10	481.86	1.1522+01	1.9220+00	6.5606-03	1.9220+00	6.5606-03	9.3012-03	1.4933-01	1.4070+05	1.6550-03	5.3230+00
14	439.00	1.3674+01	2.2688+00	7.4814-03	2.2688+00	7.4814-03	1.0607-02	1.7029-01	1.6045+05	1.8842-03	1.0880+00
15	445.80	2.2848+01	3.8090+00	1.2628-02	3.8090+00	1.2628-02	1.7903-02	2.8743-01	2.7082+05	3.1812-03	1.3070+00
16	451.18	4.4014+01	7.3647+00	2.4521-02	7.3647+00	2.4521-02	3.4765-02	5.5813-01	5.2589+05	6.1785-03	1.6410+00
19	448.09	7.6847+00	1.1668+00	3.8755-03	1.1668+00	3.8755-03	5.4944-03	8.8210-02	8.3114+04	9.7636-04	4.1100-01
20	450.11	8.7860+00	1.4003+00	4.6585-03	1.4003+00	4.6585-03	6.6045-03	1.0603-01	9.9907+04	1.1737-03	7.1100-01
21	443.71	1.4628+01	2.3568+00	7.8005-03	2.3568+00	7.8005-03	1.1059-02	1.7755-01	1.6729+05	1.9649-03	1.0880+00
22	442.16	2.4537+01	3.9728+00	1.3133-02	3.9728+00	1.3133-02	1.8619-02	2.9892-01	2.8166+05	3.3079-03	1.3070+00
23	444.25	4.0457+01	6.4616+00	2.1396-02	6.4616+00	2.1396-02	3.0334-02	4.8699-01	4.5886+05	5.3895-03	1.6410+00
24	442.95	1.8144+01	2.9395+00	9.7232-03	2.9395+00	9.7232-03	1.3785-02	2.2131-01	2.0853+05	2.4491-03	3.0090+00
25	458.65	1.4785+01	2.3629+00	7.9148-03	2.3629+00	7.9148-03	1.1221-02	1.8015-01	1.6974+05	1.9948-03	3.3930+00
26	473.26	1.3202+01	2.1439+00	7.2666-03	2.1439+00	7.2666-03	1.0302-02	1.6539-01	1.5584+05	1.8325-03	3.7770+00
27	449.07	8.6504+00	1.3777+00	4.5795-03	1.3777+00	4.5795-03	6.4925-03	1.0423-01	9.8213+04	1.1538-03	7.1100-01
28	444.15	1.6089+01	2.5930+00	8.5854-03	2.5930+00	8.5854-03	1.2172-02	1.9541-01	1.8413+05	2.1626-03	1.0880+00
29	446.05	2.6556+01	4.3562+00	1.4425-02	4.3562+00	1.4425-02	2.0451-02	3.2833-01	3.0937+05	3.6339-03	1.3070+00
30	442.89	4.4540+01	7.3021+00	2.4153-02	7.3021+00	2.4153-02	3.4242-02	5.4974-01	5.1799+05	6.0837-03	1.6410+00
31	431.88	3.6552+01	6.3650+00	2.0871-02	6.3650+00	2.0871-02	2.9589-02	4.7504-01	4.4760+05	5.2548-03	1.7720+00
32	445.97	2.8209+01	4.6345+00	1.5367-02	4.6345+00	1.5367-02	2.1786-02	3.4977-01	3.2956+05	3.8711-03	2.4660+00
33	455.44	1.3537+01	2.2451+00	7.5010-03	2.2451+00	7.5010-03	1.0634-02	1.7073-01	1.6087+05	1.8903-03	3.0090+00
34	470.91	1.2582+01	2.0774+00	7.0278-03	2.0774+00	7.0278-03	9.9635-03	1.5996-01	1.5072+05	1.7721-03	3.3930+00
35	480.52	1.2170+01	1.9373+00	6.6054-03	1.9373+00	6.6054-03	9.3647-03	1.5035-01	1.4166+05	1.6663-03	3.7770+00
36	446.08	2.4955+01	4.0394+00	1.3395-02	4.0394+00	1.3395-02	1.8991-02	3.0488-01	2.8727+05	3.3744-03	1.3070+00
37	448.02	2.9994+01	4.9933+00	1.6584-02	4.9933+00	1.6584-02	2.3511-02	3.7746-01	3.5566+05	4.1780-03	2.4660+00
38	469.18	1.4524+01	2.3953+00	8.0919-03	2.3953+00	8.0919-03	1.1472-02	1.8418-01	1.7354+05	2.0403-03	3.0090+00
39	481.88	1.2911+01	2.1343+00	7.2853-03	2.1343+00	7.2853-03	1.0329-02	1.6582-01	1.5624+05	1.8379-03	3.3930+00
40	488.70	1.1119+01	1.8297+00	6.2808-03	1.8297+00	6.2808-03	8.9045-03	1.4296-01	1.3470+05	1.5849-03	3.7770+00
41	490.70	9.9865+00	1.6103+00	5.5368-03	1.6103+00	5.5368-03	7.8497-03	1.2602-01	1.1874+05	1.3973-03	4.1620+00
43	462.44	8.9527+00	1.4919+00	5.0125-03	1.4919+00	5.0125-03	7.1064-03	1.1409-01	1.0750+05	1.2635-03	5.3230+00
47	447.71	1.0897+01	1.7499+00	5.8103-03	1.7499+00	5.8103-03	8.2375-03	1.3225-01	1.2461+05	1.4638-03	7.1100-01
48	442.78	2.1694+01	3.5352+00	1.1692-02	3.5352+00	1.1692-02	1.6577-02	2.6613-01	2.5076+05	2.9451-03	1.0880+00
49	438.25	3.0386+01	4.9656+00	1.6364-02	4.9656+00	1.6364-02	2.3200-02	3.7246-01	3.5095+05	4.1211-03	1.3070+00
50	440.97	4.4719+01	7.3651+00	2.4324-02	7.3651+00	2.4324-02	3.4485-02	5.5364-01	5.2166+05	6.1264-03	1.6410+00
51	430.53	3.8128+01	6.2892+00	2.0600-02	6.2892+00	2.0600-02	2.9206-02	4.6888-01	4.4180+05	5.1863-03	1.7720+00
52	435.71	1.4315+01	2.3699+00	7.7942-03	2.3699+00	7.7942-03	1.1050-02	1.7741-01	1.6716+05	1.9627-03	2.4660+00
53	466.47	1.2192+01	2.0070+00	6.7652-03	2.0070+00	6.7652-03	9.5913-03	1.5398-01	1.4509+05	1.7056-03	3.0090+00
54	489.50	9.5911+00	1.5838+00	5.4405-03	1.5838+00	5.4405-03	7.7132-03	1.2383-01	1.1668+05	1.3729-03	3.3930+00
55	494.19	1.0899+01	1.7723+00	6.1116-03	1.7723+00	6.1116-03	8.6646-03	1.3911-01	1.3107+05	1.5425-03	3.7770+00
56	446.72	2.6551+01	1.1724+00	3.8898-03	1.1724+00	3.8898-03	5.5148-03	8.8537-02	8.3423+04	9.7993-04	4.1100-01
57	448.10	1.1397+01	1.8195+00	6.0433-03	1.8195+00	6.0433-03	8.5678-03	1.3755-01	1.2961+05	1.5225-03	7.1100-01
58	440.83	1.9355+01	3.1498+00	1.0402-02	3.1498+00	1.0402-02	1.4747-02	2.3675-01	2.2307+05	2.6198-03	1.0880+00
59	437.86	3.0156+01	4.9120+00	1.6183-02	4.9120+00	1.6183-02	2.2943-02	3.6833-01	3.4705+05	4.0753-03	1.3070+00
60	441.64	4.4956+01	7.3638+00	2.4333-02	7.3638+00	2.4333-02	3.4497-02	5.5384-01	5.2184+05	6.1287-03	1.6410+00
61	468.47	1.3225+01	2.1735+00	7.3383-03	2.1735+00	7.3383-03	1.0404-02	1.6703-01	1.5738+05	1.8502-03	3.0090+00
62	490.10	1.0994+01	1.8163+00	6.2419-03	1.8163+00	6.2419-03	8.8494-03	1.4207-01	1.3387+05	1.5752-03	3.3930+00
63	496.58	1.0784+01	1.7564+00	6.0686-03	1.7564+00	6.0686-03	8.6037-03	1.3813-01	1.3015+05	1.5318-03	3.7770+00
64	443.35	1.9612+01	3.2640+00	1.0800-02	3.2640+00	1.0800-02	1.5312-02	2.4582-01	2.3162+05	2.7204-03	1.0880+00
65	440.03	2.8942+01	4.8057+00	1.5859-02	4.8057+00	1.5859-02	2.2485-02	3.6098-01	3.4013+05	3.9943-03	1.3070+00
66	440.77	4.2803+01	7.1109+00	2.3481-02	7.1109+00	2.3481-02	3.3290-02	5.3445-01	5.0358+05	5.9140-03	1.6410+00
69	451.44	8.5543+00	1.4316+00	4.7677-03	1.4316+00	4.7677-03	6.7594-03	1.0852-01	1.0225+05	1.2013-03	4.1100-01
70	448.35	1.2355+01	2.0633+00	6.8543-03	2.0633+00	6.8543-03	9.7176-03	1.5601-01	1.4700+05	1.7269-03	7.1100-01
71	445.43	2.8161+01	4.6798+00	1.5510-02	4.6798+00	1.5510-02	2.1990-02	3.5303-01	3.3264+05	3.9072-03	1.3070+00
72	451.78	3.8372+01	6.4234+00	2.1397-02	6.4234+00	2.1397-02	3.0336-02	4.8703-01	4.5890+05	5.3915-03	1.6410+00
73	479.47	7.4930+00	1.2293+00	4.1878-03	1.2293+00	4.1878-03	5.9371-03	9.5318-02	8.9812+04	1.0563-03	3.7770+00
74	442.11	6.7668+00	1.0989+00	3.6325-03	1.0989+00	3.6325-03	5.1499-03	8.2679-02	7.7903+04	9.1494-04	5.3230+00
77	443.77	1.8945+01	3.1262+00	1.0348-02	3.1262+00	1.0348-02	1.4670-02	2.3552-01	2.2192+05	2.6065-03	3.0090+00
78	466.36	1.6100+01	2.6661+00	8.9863-03	2.6661+00	8.9863-03	1.2740-02	2.0454-01	1.9272+05	2.2656-03	3.3930+00
79	485.36	1.4486+01	2.3861+00	8.1682-03	2.3861+00	8.1682-03	1.1580-02	1.8592-01	1.7518+05	2.0609-03	3.7770+00
80	442.84	4.0067+01	6.6854+00	2.2112-02	6.6854+00	2.2112-02	3.1349-02	5.0330-01	4.7422+05	5.5697-03	2.4660+00
81	452.78	1.9338+01	3.2109+00	1.0705-02	3.2109+00	1.0705-02	1.5176-02	2.4365-01	2.2957+05	2.6974-03	3.0090+00
82	470.36	1.6564+01	2.7584+00	9.3276-03	2.7584+00	9.3276-03	1.3224-02	2.1231-01	2.0004+05	2.3520-03	3.3930+00
83	486.54	1.5372+01	2.5645+00	8.7873-03	2.5645+00	8.7873-03	1.2458-02	2.0001-01	1.8846+05	2.2172-03	3.7770+00
337	486.82	2.9483+01	5.5397+00	1.8986-02	5.5397+00	1.8986-02	2.6918-02	4.3215-01	4.0719+05	4.7906-03	7.1680+00
339	461.82	1.4349+01	2.7082+00	9.0947-03	2.7082+00	9.0947-03	1.2894-02	2.0700-01	1.9505+05	2.2925-03	8.1130+00
340	454.44	3.8000+00	6.9875-01	2.3326-03	6.9875-01	2.3326-03	3.3071-03	5.3093-02	5.0026+04	5.8782-04	8.6180+00
342	486.50	2.8108+01	5.4493+00	1.8672-02	5.4493+00	1.8672-02	2.6472-02	4.2499-01	4.0044+05	4.7112-03	7.1680+00
344	459.86	1.5768+01	2.9878+00	1.0018-02	2.9878+00	1.0018-02	1.4202-02	2.2801-01	2.1484+05	2.5249-03	8.1130+00
347	480.11	2.2934+01	4.2996+00	1.4655-02	4.2996+00	1.4655-02	2.0777-02	3.3357-01	3.1430+05	3.6968-03	7.1680+00
349	460.04	1.3670+01	2.5837+00	8.6641-03	2.5837+00	8.6641-03	1.2283-02	1.9720-01	1.8581+05	2.1838-03	8.1130+00
350	450.92	3.2919+00	5.7006-01	1.8976-03	5.7006-01	1.8976-03	2.6904-03	4.3192-02	4.0697+04	4.7814-04	8.6180+00
352	476.39	2.1330+01	3.8850+00	1.3202-02	3.8850+00	1.3202-02	1.8717-02	3.0048-01	2.8313+05	3.3297-03	7.1680+00
354	464.45	1.2618+01	2.3859+00	8.0291-03	2.3859+00	8.0291-03	1.1383-02	1.8275-01	1.7219+05	2.0241-03	8.1130+00
357	480.73	1.5611+01	2.8436+00	9.6974-03	2.8436+00	9.6974-03	1.3748-02	2.2072-01	2.0797+05	2.4463-03	7.1680+00
359	476.01	9.5268+00	1.6968+00	5.7642-03	1.6968+00	5.7642-03	8.1721-03	1.3120-01	1.2362+05	1.4538-03	8.1130+00
401	455.54	1.4796+01	1.2270+00	4.0998-03	1.2270+00	4.0998-03	5.8125-03	9.3317-02	8.7926+04	1.0332-03	4.5500-01
403	452.70	1.4713+01	1.2034+00	4.0117-03	1.2034+00	4.0117-03	5.6876-03	9.1311-02	8.6037+04	1.0109-03	6.8600-01
404	455.21	1.8046+01	1.4874+00	4.9683-03	1.4874+00	4.9683-03	7.0437-03	1.1308-01	1.0655+05	1.2520-03	8.0100-01
405	461.66	2.7793+01	2.2871+00	7.6794-03	2.2871+00	7.6794-03	1.0887-02	1.7479-01	1.6469+05	1.9357-03	1.0510+00
406	464.58	3.7497+01	3.1102+00	1.0468-02	3.1102+00	1.0468-02	1.4841-02	2.3826-01	2.2450+05	2.6389-03	1.1670+00
407	470.90	4.7217+01	4.0033+00	1.3543-02	4.0033+00	1.3543-02	1.9200-02	3.0825-01	2.9044+05	3.4150-03	1.2830+00
408	455.35	1.7162+01	1.3894+00	4.6416-03	1.3894+00	4.6416-03	6.5806-03	1.0565-01	9.9545+04	1.1697-03	5.1300-01
409	455.19	2.0833+01	1.7171+00	5.7356-03	1.7171+00	5.7356-03	8.1316-03	1.3055-01	1.2301+05	1.4454-03	5.7000-01
410	454.96	1.8020+01	1.4319+00	4.7822-03	1.4319+00	4.7822-03	6.7799-03	1.0885-01	1.0256+05	1.2051-03	6.2800-01
411	458.85	2.3808+01	1.9672+00	6.5903-03	1.9672+00	6.5903-03	9.3434-03	1.5000-01	1.4134+05	1.6610-03	6.8600-01
412	463.09	1.3359+01	1.1004+00	3.6992-03	1.1004+00	3.6992-03	5.2445-03	8.4197-02	7.9334+04	9.3250-04	7.4400-01
413	461.09	2.6852+01	2.2353+00	7.5021-03	2.2353+00	7.5021-03	1.0636-02	1.7076-01	1.6089+05	1.8910-03	8.0100-01
414	457.38	2.2167+01	1.8189+00	6.0863-03	1.8189+00	6.0863-03	8.6288-03	1.3853-01	1.3053+05	1.5339-03	8.5900-01
415	460.95	2.9518+01	2.4424+00	8.1964-03	2.4424+00	8.1964-03	1.1620-02	1.8656-01	1.7578+05	2.0660-03	9.1700-01
416	456.25	1.9392+01	1.4852+00	4.9653-03	1.4852+00	4.9653-03	7.0395-03	1.1302-01	1.0649+05	1.2513-03	5.7000-01
417	463.20	3.2907+01	2.7107+00	9.1133-03	2.7107+00	9.1133-03	1.2920-02	2.0743-01	1.9545+05	2.2973-03	1.0520+00

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8.03433+01 4.76077-03 3.35934-01 4.40971+03 4.97152-06 6.50781-08 2.82616-02 7.72000+00 6.68262-06 7.51806-02

1	446.38	7.3605+00	1.2276+00	4.0723-03	1.2276+00	4.0723-03	5.7734-03	9.2690-02	8.7335+04	1.0257-03	4.1100-01
2	440.86	6.7190+00	1.1163+00	3.6870-03	1.1163+00	3.6870-03	5.2272-03	8.3919-02	7.9072+04	9.2847-04	7.1100-01
3	449.24	2.0150+01	3.3672+00	1.1196-02	3.3672+00	1.1196-02	1.5872-02	2.5482-01	2.4010+05	2.8202-03	1.3070+00
4	454.49	4.3784+01	7.3429+00	2.4517-02	7.3429+00	2.4517-02	3.4759-02	5.5804-01	5.2581+05	6.1774-03	1.6410+00
5	441.46	4.5075+01	7.8424+00	2.5915-02	7.8424+00	2.5915-02	3.6740-02	5.8985-01	5.5577+05	6.5261-03	1.7720+00
6	447.93	4.1023+01	6.7488+00	2.2416-02	6.7488+00	2.2416-02	3.1780-02	5.1021-01	4.8074+05	5.6464-03	2.4660+00
7	454.34	1.8166+01	2.9928+00	9.9916-03	2.9928+00	9.9916-03	1.4165-02	2.2742-01	2.1428+05	2.5174-03	3.0090+00
8	473.40	1.8034+01	2.9825+00	1.0112-02	2.9825+00	1.0112-02	1.4336-02	2.3016-01	2.1686+05	2.5497-03	3.3930+00
9	488.72	1.4722+01	2.4594+00	8.4438-03	2.4594+00	8.4438-03	1.1971-02	1.9219-01	1.8109+05	2.1303-03	3.7770+00
10	484.78	1.1796+01	1.9714+00	6.7466-03	1.9714+00	6.7466-03	9.5649-03	1.5356-01	1.4469+05	1.7019-03	5.3230+00
14	442.27	1.3035+01	2.1678+00	7.1681-03	2.1678+00	7.1681-03	1.0162-02	1.6315-01	1.5373+05	1.8052-03	1.0880+00
15	451.34	2.1764+01	3.6420+00	1.2130-02	3.6420+00	1.2130-02	1.7197-02	2.7609-01	2.6014+05	3.0558-03	1.3070+00
16	462.12	4.2598+01	7.1809+00	2.4124-02	7.1809+00	2.4124-02	3.4202-02	5.4909-01	5.1738+05	6.0801-03	1.6410+00
19	450.04	7.3803+00	1.1221+00	3.7333-03	1.1221+00	3.7333-03	5.2928-03	8.4974-02	8.0066+04	9.4047-04	4.1100-01
20	452.15	8.2364+00	1.3146+00	4.3810-03	1.3146+00	4.3810-03	6.2111-03	9.9717-02	9.3956+04	1.1037-03	7.1100-01
21	447.23	1.3622+01	2.2060+00	7.3032-03	2.2060+00	7.3032-03	1.0354-02	1.6623-01	1.5663+05	1.8396-03	1.0880+00
22	448.11	2.3040+01	3.7459+00	1.2444-02	3.7459+00	1.2444-02	1.7642-02	2.8323-01	2.6687+05	3.1345-03	1.3070+00
23	454.38	3.9500+01	6.3527+00	2.1209-02	6.3527+00	2.1209-02	3.0069-02	4.8275-01	4.5486+05	5.3438-03	1.6410+00
24	447.65	1.8322+01	2.9778+00	9.8885-03	2.9778+00	9.8885-03	1.4019-02	2.2507-01	2.1207+05	2.4908-03	3.0090+00
25	462.50	1.5194+01	2.4347+00	8.1818-03	2.4347+00	8.1818-03	1.1600-02	1.8623-01	1.7547+05	2.0621-03	3.3930+00
26	476.69	1.3608+01	2.2148+00	7.5292-03	2.2148+00	7.5292-03	1.0674-02	1.7137-01	1.6147+05	1.8987-03	3.7770+00
27	451.05	7.7735+00	1.2397+00	4.1281-03	1.2397+00	4.1281-03	5.8525-03	9.3959-02	8.8532+04	1.0400-03	7.1100-01
28	448.00	1.4834+01	2.3970+00	7.9620-03	2.3970+00	7.9620-03	1.1288-02	1.8122-01	1.7076+05	2.0056-03	1.0880+00
29	452.41	2.5169+01	4.1410+00	1.3804-02	4.1410+00	1.3804-02	1.9570-02	3.1418-01	2.9604+05	3.4776-03	1.3070+00
30	453.91	4.3209+01	7.1376+00	2.3821-02	7.1376+00	2.3821-02	3.3772-02	5.4219-01	5.1087+05	6.0017-03	1.6410+00
31	441.55	3.7676+01	6.2625+00	2.0695-02	6.2625+00	2.0695-02	2.9340-02	4.7105-01	4.4384+05	5.2117-03	1.7720+00
32	453.14	2.8726+01	4.7428+00	1.5819-02	4.7428+00	1.5819-02	2.2427-02	3.6005-01	3.3925+05	3.9854-03	2.4660+00
33	458.98	1.4055+01	2.3366+00	7.8299-03	2.3366+00	7.8299-03	1.1101-02	1.7822-01	1.6792+05	1.9732-03	3.0090+00
34	474.18	1.2948+01	2.1424+00	7.2682-03	2.1424+00	7.2682-03	1.0304-02	1.6543-01	1.5588+05	1.8327-03	3.3930+00
35	483.63	1.2377+01	1.9741+00	6.7494-03	1.9741+00	6.7494-03	9.5689-03	1.5362-01	1.4475+05	1.7025-03	3.7770+00
36	452.03	2.3366+01	3.7976+00	1.2655-02	3.7976+00	1.2655-02	1.7941-02	2.8804-01	2.7140+05	3.1882-03	1.3070+00
37	455.44	3.0066+01	5.0307+00	1.6810-02	5.0307+00	1.6810-02	2.3832-02	3.8262-01	3.6052+05	4.2356-03	2.4660+00
38	472.82	1.4263+01	2.3580+00	7.9908-03	2.3580+00	7.9908-03	1.1329-02	1.8188-01	1.7137+05	2.0148-03	3.0090+00
39	485.20	1.3098+01	2.1700+00	7.4288-03	2.1700+00	7.4288-03	1.0532-02	1.6909-01	1.5932+05	1.8740-03	3.3930+00
40	491.48	1.1156+01	1.8390+00	6.3283-03	1.8390+00	6.3283-03	8.9719-03	1.4404-01	1.3572+05	1.5968-03	3.7770+00
41	493.18	9.6452+00	1.5578+00	5.3681-03	1.5578+00	5.3681-03	7.6105-03	1.2218-01	1.1513+05	1.3546-03	4.1620+00
43	464.68	8.9974+00	1.5016+00	5.0551-03	1.5016+00	5.0551-03	7.1668-03	1.1506-01	1.0841+05	1.2742-03	5.3230+00
47	450.30	1.0143+01	1.6317+00	5.4298-03	1.6317+00	5.4298-03	7.6980-03	1.2359-01	1.1645+05	1.3679-03	7.1100-01
48	448.78	2.2266+01	3.6434+00	1.2110-02	3.6434+00	1.2110-02	1.7169-02	2.7563-01	2.5971+05	3.0505-03	1.0880+00
49	445.73	2.9086+01	4.7778+00	1.5841-02	4.7778+00	1.5841-02	2.2459-02	3.6057-01	3.3974+05	3.9900-03	1.3070+00
50	451.98	4.3563+01	7.2292+00	2.4089-02	7.2292+00	2.4089-02	3.4152-02	5.4830-01	5.1663+05	6.0689-03	1.6410+00
51	439.92	3.7025+01	6.1475+00	2.0289-02	6.1475+00	2.0289-02	2.8764-02	4.6180-01	4.3512+05	5.1091-03	1.7720+00
52	439.16	1.4561+01	2.4163+00	7.9700-03	2.4163+00	7.9700-03	1.1299-02	1.8141-01	1.7093+05	2.0069-03	2.4660+00
53	469.39	1.2492+01	2.0604+00	6.9630-03	2.0604+00	6.9630-03	9.8716-03	1.5848-01	1.4933+05	1.7554-03	3.0090+00
54	491.67	9.8198+00	1.6239+00	5.5889-03	1.6239+00	5.5889-03	7.9236-03	1.2721-01	1.1986+05	1.4102-03	3.3930+00
55	496.91	1.1007+01	1.7930+00	6.1981-03	1.7930+00	6.1981-03	8.7873-03	1.4108-01	1.3293+05	1.5643-03	3.7770+00
56	448.62	7.3777+00	1.1314+00	3.7601-03	1.1314+00	3.7601-03	5.3308-03	8.5583-02	8.0640+04	9.4716-04	4.1100-01
57	450.86	1.0944+01	1.7505+00	5.8279-03	1.7505+00	5.8279-03	8.2624-03	1.3265-01	1.2499+05	1.4682-03	7.1100-01
58	445.60	1.8776+01	3.0656+00	1.0163-02	3.0656+00	1.0163-02	1.4409-02	2.3133-01	2.1796+05	2.5598-03	1.0880+00
59	445.35	2.9539+01	4.8365+00	1.6031-02	4.8365+00	1.6031-02	2.2728-02	3.6489-01	3.4381+05	4.0378-03	1.3070+00
60	452.70	4.4291+01	7.3104+00	2.4374-02	7.3104+00	2.4374-02	3.4556-02	5.5477-01	5.2273+05	6.1407-03	1.6410+00
61	471.96	1.3502+01	2.2242+00	7.5321-03	2.2242+00	7.5321-03	1.0679-02	1.7144-01	1.6154+05	1.8991-03	3.0090+00
62	492.90	1.1160+01	1.8470+00	6.3633-03	1.8470+00	6.3633-03	9.0214-03	1.4483-01	1.3647+05	1.6057-03	3.3930+00
63	499.49	1.1006+01	1.7959+00	6.2215-03	1.7959+00	6.2215-03	8.8204-03	1.4161-01	1.3343+05	1.5703-03	3.7770+00
64	448.24	1.9104+01	3.1902+00	1.0599-02	3.1902+00	1.0599-02	1.5026-02	2.4124-01	2.2730+05	2.6698-03	1.0880+00
65	447.17	2.8434+01	4.7446+00	1.5750-02	4.7446+00	1.5750-02	2.2329-02	3.5848-01	3.3777+05	3.9671-03	1.3070+00
66	451.46	4.2303+01	7.0798+00	2.3582-02	7.0798+00	2.3582-02	3.3433-02	5.3675-01	5.0574+05	5.9409-03	1.6410+00
69	453.68	8.5049+00	1.4255+00	4.7567-03	1.4255+00	4.7567-03	6.7437-03	1.0827-01	1.0201+05	1.1984-03	4.1100-01
70	451.55	1.2130+01	2.0302+00	6.7627-03	2.0302+00	6.7627-03	9.5877-03	1.5393-01	1.4503+05	1.7037-03	7.1100-01
71	452.40	2.7811+01	4.6438+00	1.5479-02	4.6438+00	1.5479-02	2.1946-02	3.5233-01	3.3198+05	3.8998-03	1.3070+00
72	461.27	3.8075+01	6.4148+00	2.1536-02	6.4148+00	2.1536-02	3.0532-02	4.9018-01	4.6186+05	5.4276-03	1.6410+00
73	481.35	7.5912+00	1.2469+00	4.2551-03	1.2469+00	4.2551-03	6.0327-03	9.6852-02	9.1257+04	1.0732-03	3.7770+00
74	443.85	6.8847+00	1.1194+00	3.7059-03	1.1194+00	3.7059-03	5.2540-03	8.4351-02	7.9479+04	9.3335-04	5.3230+00
77	448.49	1.8985+01	3.1431+00	1.0444-02	3.1431+00	1.0444-02	1.4807-02	2.3773-01	2.2399+05	2.6309-03	3.0090+00
78	470.43	1.6344+01	2.7139+00	9.1791-03	2.7139+00	9.1791-03	1.3014-02	2.0893-01	1.9686+05	2.3142-03	3.3930+00
79	489.02	1.4845+01	2.4506+00	8.4158-03	2.4506+00	8.4158-03	1.1931-02	1.9155-01	1.8049+05	2.1233-03	3.7770+00
80	452.90	4.6229+01	6.7589+00	2.2539-02	6.7589+00	2.2539-02	3.1954-02	5.1301-01	4.8337+05	5.6765-03	2.4660+00
81	457.62	1.9724+01	3.2858+00	1.0999-02	3.2858+00	1.0999-02	1.5593-02	2.5034-01	2.3588+05	2.7716-03	3.0090+00
82	474.35	1.4803+01	2.4718+00	8.3869-03	2.4718+00	8.3869-03	1.1890-02	1.9089-01	1.7987+05	2.1148-03	3.3930+00
83	490.46	1.6143+01	2.6999+00	9.2828-03	2.6999+00	9.2828-03	1.3161-02	2.1129-01	1.9908+05	2.3422-03	3.7770+00
337	494.27	2.9654+01	5.5988+00	1.9311-02	5.5988+00	1.9311-02	2.7378-02	4.3954-01	4.1415+05	4.8732-03	7.1680+00
339	465.48	1.4785+01	2.7976+00	9.4241-03	2.7976+00	9.4241-03	1.3361-02	2.1450-01	2.0211+05	2.3755-03	8.1130+00
340	455.40	3.8753+00	7.1307-01	2.3826-03	7.1307-01	2.3826-03	3.3780-03	5.4231-02	5.1099+04	6.0035-04	8.6180+00
342	493.57	2.8404+01	5.5319+00	1.9069-02	5.5319+00	1.9069-02	2.7035-02	4.3404-01	4.0897+05	4.8121-03	7.1680+00
344	463.80	1.5957+01	3.0317+00	1.0199-02	3.0317+00	1.0199-02	1.4459-02	2.3213-01	2.1872+05	2.5706-03	8.1130+00
347	485.90	2.3052+01	4.3288+00	1.4827-02	4.3288+00	1.4827-02	2.1021-02	3.3749-01	3.1799+05	3.7405-03	7.1680+00
349	463.44	1.3694+01	2.5942+00	8.7245-03	2.5942+00	8.7245-03	1.2369-02	1.9858-01	1.8711+05	2.1990-03	8.1130+00
350	451.70	3.1662+00	5.4858-01	1.8276-03	5.4858-01	1.8276-03	2.5911-03	4.1598-02	3.9195+04	4.6043-04	8.6180+00
352	481.72	2.1258+01	3.8855+00	1.3263-02	3.8855+00	1.3263-02	1.8804-02	3.0189-01	2.8445+05	3.3454-03	7.1680+00
354	467.62	1.2809+01	2.4271+00	8.1904-03	2.4271+00	8.1904-03	1.1612-02	1.8642-01	1.7565+05	2.0647-03	8.1130+00
357	484.63	1.5571+01	2.8436+00	9.7302-03	2.8436+00	9.7302-03	1.3795-02	2.2147-01	2.0868+05	2.4545-03	7.1680+00
359	478.41	9.6151+00	1.7152+00	5.8392-03	1.7152+00	5.8392-03	8.2784-03	1.3291-01	1.2523+05	1.4726-03	8.1130+00
401	459.26	1.4586+01	1.2127+00	4.0648-03	1.2127+00	4.0648-03	5.7628-03	9.2519-02	8.7174+04	1.0243-03	4.5500-01
403	456.37	1.4426+01	1.1829+00	3.9557-03	1.1829+00	3.9557-03	5.6081-03	9.0035-02	8.4834+04	9.9673-04	6.8600-01
404	459.69	1.7511+01	1.4477+00	4.8541-03	1.4477+00	4.8541-03	6.8818-03	1.1048-01	1.0410+05	1.2233-03	8.0100-01
405	468.65	2.6833+01	2.2165+00	7.4926-03	2.2185+00	7.4926-03	1.0623-02	1.7054-01	1.6069+05	1.8889-03	1.0510+00
406	473.91	3.5569+01	2.9687+00	1.0069-02	2.9687+00	1.0069-02	1.4276-02	2.2919-01	2.1595+05	2.5390-03	1.1670+00
407	482.62	4.4590+01	3.8099+00	1.3015-02	3.8099+00	1.3015-02	1.8452-02	2.9624-01	2.7913+05	3.2829-03	1.2830+00
408	459.55	1.6783+01	1.3626+00	4.5683-03	1.3626+00	4.5683-03	6.4766-03	1.0398-01	9.7972+04	1.1512-03	5.1300-01
409	460.37	2.0375+01	1.6852+00	5.6536-03	1.6852+00	5.6536-03	8.0153-03	1.2868-01	1.2125+05	1.4248-03	5.7000-01
410	459.42	1.7887+01	1.4257+00	4.7793-03	1.4257+00	4.7793-03	6.7758-03	1.0878-01	1.0250+05	1.2044-03	6.2800-01
411	464.79	2.3383+01	1.9400+00	6.5316-03	1.9400+00	6.5316-03	9.2600-03	1.4867-01	1.4008+05	1.6463-03	6.8600-01
412	466.48	1.2952+01	1.0693+00	3.6049-03	1.0693+00	3.6049-03	5.1108-03	8.2051-02	7.7312+04	9.0871-04	7.4400-01
413	467.72	2.5912+01	2.1666+00	7.3119-03	2.1666+00	7.3119-03	1.0366-02	1.6643-01	1.5681+05	1.8432-03	8.0100-01
414	462.84	2.1610+01	1.7797+00	5.9824-03	1.7797+00	5.9824-03	8.4815-03	1.3617-01	1.2830+05	1.5078-03	8.5900-01
415	468.22	2.8177+01	2.3428+00	7.9098-03	2.3428+00	7.9098-03	1.1214-02	1.8004-01	1.6964+05	1.9940-03	9.1700-01
416	461.21	1.9271+01	1.4809+00	4.9714-03	1.4809+00	4.9714-03	7.0482-03	1.1315-01	1.0662+05	1.2529-03	5.7000-01
417	471.65	3.1722+01	2.6279+00	8.8971-03	2.6279+00	8.8971-03	1.2614-02	2.0251-01	1.9081+05	2.2432-03	1.0520+00

6 1 6.94 -5.06 .00 -.00 402 11 3.10 10.04 214.7 1642.8

6.03253+01 4.76091-03 3.35944-01 4.40922+03 4.97278-06 6.50635-08 2.82720-02 7.72000+00 6.68091-06 7.51830-02

1	449.99	6.9330+00	1.1591+00	3.8557-03	1.1591+00	3.8557-03	5.4657-03	8.7761-02	8.2712+04	9.7174-04	4.1100-01
2	444.44	7.4379+00	1.2368+00	4.1026-03	1.2388+00	4.1026-03	5.8156-03	9.3380-02	8.8009+04	1.0337-03	7.1100-01
3	458.74	1.9125+01	3.2166+00	1.0775-02	3.2166+00	1.0775-02	1.5274-02	2.4525-01	2.3114+05	2.7165-03	1.3070+00
4	475.23	4.0978+01	6.9687+00	2.3658-02	6.9687+00	2.3658-02	3.3537-02	5.3849-01	5.0751+05	5.9684-03	1.6410+00
5	462.53	4.1148+01	7.2630+00	2.4404-02	7.2630+00	2.4404-02	3.4594-02	5.5547-01	5.2352+05	6.1535-03	1.7720+00
6	468.03	3.9717+01	6.6236+00	2.2355-02	6.6236+00	2.2355-02	3.1689-02	5.0883-01	4.7956+05	5.6381-03	2.4660+00
7	463.46	1.8097+01	2.9998+00	1.0087-02	2.9998+00	1.0087-02	1.4299-02	2.2960-01	2.1639+05	2.5436-03	3.0090+00
8	482.47	1.7922+01	2.9818+00	1.0183-02	2.9818+00	1.0183-02	1.4435-02	2.3178-01	2.1845+05	2.5697-03	3.3930+00
9	496.20	1.4934+01	2.5069+00	8.6591-03	2.5069+00	8.6591-03	1.2275-02	1.9709-01	1.8575+05	2.1863-03	3.7770+00
10	490.78	1.1976+01	2.0093+00	6.9093-03	2.0093+00	6.9093-03	9.7942-03	1.5726-01	1.4822+05	1.7441-03	5.3230+00
14	448.68	1.2358+01	2.0643+00	6.8594-03	2.0643+00	6.8594-03	9.7235-03	1.5613-01	1.4715+05	1.7287-03	1.6880+00
15	461.91	2.1209+01	3.5748+00	1.2006-02	3.5748+00	1.2006-02	1.7018-02	2.7326-01	2.5754+05	3.0271-03	1.3070+00
16	482.82	4.1670+01	7.1219+00	2.4329-02	7.1219+00	2.4329-02	3.4487-02	5.5375-01	5.2190+05	6.1395-03	1.6410+00
19	453.55	7.0738+00	1.0781+00	3.5964-03	1.0781+00	3.5964-03	5.0980-03	8.1857-02	7.7149+04	9.0650-04	4.1100-01
20	456.22	8.3429+00	1.3353+00	4.4639-03	1.3353+00	4.4639-03	6.3277-03	1.0160-01	9.5757+04	1.1253-03	7.1100-01
21	453.70	1.2946+01	2.1002+00	7.0070-03	2.1002+00	7.0070-03	9.9327-03	1.5949-01	1.5031+05	1.7662-03	1.6880+00
22	459.06	2.2096+01	3.6192+00	1.2127-02	3.6192+00	1.2127-02	1.7190-02	2.7602-01	2.6015+05	3.0574-03	1.3070+00
23	473.62	3.8956+01	6.3468+00	2.1519-02	6.3468+00	2.1519-02	3.0503-02	4.8979-01	4.6161+05	5.4283-03	1.6410+00
24	456.68	1.8369+01	3.0040+00	1.0046-02	3.0040+00	1.0046-02	1.4241-02	2.2867-01	2.1551+05	2.5326-03	3.0090+00
25	470.15	1.5381+01	2.4773+00	8.3756-03	2.4773+00	8.3756-03	1.1873-02	1.9064-01	1.7967+05	2.1126-03	3.3930+00
26	483.55	1.3724+01	2.2438+00	7.6698-03	2.2438+00	7.6698-03	1.0872-02	1.7457-01	1.6453+05	1.9356-03	3.7770+00
27	454.70	7.2462+00	1.1585+00	3.8684-03	1.1585+00	3.8684-03	5.4836-03	8.8048-02	8.2983+04	9.7511-04	7.1100-01
28	454.98	1.3991+01	2.2716+00	7.5865-03	2.2716+00	7.5865-03	1.0754-02	1.7268-01	1.6274+05	1.9124-03	1.6880+00
29	464.65	2.4378+01	4.0442+00	1.3612-02	4.0442+00	1.3612-02	1.9296-02	3.0983-01	2.9201+05	3.4326-03	1.3070+00
30	474.97	4.2272+01	7.0824+00	2.4039-02	7.0824+00	2.4039-02	3.4077-02	5.4716-01	5.1568+05	6.0645-03	1.6410+00
31	459.81	3.6393+01	6.1253+00	2.0537-02	6.1253+00	2.0537-02	2.9111-02	4.6743-01	4.4054+05	5.1777-03	1.7720+00
32	467.71	2.9803+01	4.9691+00	1.6767-02	4.9691+00	1.6767-02	2.3768-02	3.8163-01	3.5968+05	4.2286-03	2.4660+00
33	466.06	1.4278+01	2.3851+00	8.0372-03	2.3851+00	8.0372-03	1.1393-02	1.8294-01	1.7241+05	2.0269-03	3.0090+00
34	480.67	1.3054+01	2.1693+00	7.3976-03	2.1693+00	7.3976-03	1.0486-02	1.6838-01	1.5869+05	1.8666-03	3.3930+00
35	489.82	1.2414+01	1.9880+00	6.8306-03	1.9880+00	6.8306-03	9.6826-03	1.5547-01	1.4653+05	1.7242-03	3.7770+00
36	463.25	2.2458+01	3.6779+00	1.2365-02	3.6779+00	1.2365-02	1.7528-02	2.8145-01	2.6526+05	3.1180-03	1.3070+00
37	470.74	3.0649+01	5.1814+00	1.7526-02	5.1814+00	1.7526-02	2.4844-02	3.9892-01	3.7597+05	4.4207-03	2.4660+00
38	479.85	1.4215+01	2.3610+00	8.0457-03	2.3610+00	8.0457-03	1.1405-02	1.8313-01	1.7259+05	2.0301-03	3.0090+00
39	491.80	1.3457+01	2.2390+00	7.7056-03	2.2390+00	7.7056-03	1.0923-02	1.7539-01	1.6530+05	1.9452-03	3.3930+00
40	497.04	1.1166+01	1.8473+00	6.3854-03	1.8473+00	6.3854-03	9.0515-03	1.4534-01	1.3698+05	1.6123-03	3.7770+00
41	497.86	9.7891+00	1.5858+00	5.4851-03	1.5858+00	5.4851-03	7.7753-03	1.2485-01	1.1766+05	1.3850-03	4.1620+00
43	469.21	9.2203+00	1.5435+00	5.2143-03	1.5435+00	5.2143-03	7.3915-03	1.1868-01	1.1186+05	1.3151-03	5.3230+00
47	455.06	9.4400+00	1.5236+00	5.0886-03	1.5236+00	5.0886-03	7.2133-03	1.1582-01	1.0916+05	1.2827-03	7.1100-01
48	459.49	1.7437+01	2.8741+00	9.6336-03	2.8741+00	9.6336-03	1.3696-02	2.1927-01	2.0666+05	2.4288-03	1.0880+00
49	459.70	2.7432+01	4.5493+00	1.5251-02	4.5493+00	1.5251-02	2.1619-02	3.4713-01	3.2717+05	3.8452-03	1.3070+00
50	473.32	4.2059+01	7.0867+00	2.4001-02	7.0867+00	2.4001-02	3.4023-02	5.4629-01	5.1487+05	6.0545-03	1.6410+00
51	458.07	3.5734+01	6.0074+00	2.0113-02	6.0074+00	2.0113-02	2.8511-02	4.5779-01	4.3145+05	5.0705-03	1.7720+00
52	446.75	1.5476+01	2.5817+00	8.5657-03	2.5817+00	8.5657-03	1.2142-02	1.9496-01	1.8375+05	2.1585-03	2.4660+00
53	473.92	1.3571+01	2.2482+00	7.6367-03	2.2482+00	7.6367-03	1.0825-02	1.7382-01	1.6382+05	1.9266-03	3.0090+00
54	496.91	1.1419+01	1.8947+00	6.5484-03	1.8947+00	6.5484-03	9.2826-03	1.4905-01	1.4047+05	1.6534-03	3.3930+00
55	502.45	1.1105+01	1.8155+00	6.3037-03	1.8155+00	6.3037-03	8.9357-03	1.4348-01	1.3522+05	1.5920-03	3.7770+00
56	452.03	6.7538+00	1.0362+00	3.4590-03	1.0382+00	3.4590-03	4.9033-03	7.8731-02	7.4203+04	8.7184-04	4.1100-01
57	456.17	1.0486+01	1.6834+00	5.6274-03	1.6834+00	5.6274-03	7.9771-03	1.2809-01	1.2072+05	1.4186-03	7.1100-01
58	454.65	1.7405+01	2.8595+00	9.5475-03	2.8595+00	9.5475-03	1.3534-02	2.1731-01	2.0481+05	2.4066-03	1.0880+00
59	459.64	2.7605+01	4.5642+00	1.5300-02	4.5642+00	1.5300-02	2.1689-02	3.4825-01	3.2822+05	3.8575-03	1.3070+00
60	474.58	4.2819+01	7.1722+00	2.4336-02	7.1722+00	2.4336-02	3.4498-02	5.5392-01	5.2206+05	6.1393-03	1.6410+00
61	478.67	1.2698+01	2.1010+00	7.1528-03	2.1010+00	7.1528-03	1.0139-02	1.6280-01	1.5344+05	1.8047-03	3.0090+00
62	498.51	1.1028+01	1.8318+00	6.3394-03	1.8318+00	6.3394-03	8.9863-03	1.4429-01	1.3599+05	1.6008-03	3.3930+00
63	504.83	9.7361+00	1.5941+00	5.5461-03	1.5941+00	5.5461-03	7.8619-03	1.2624-01	1.1897+05	1.4008-03	3.7770+00
64	457.42	1.7626+01	2.9619+00	9.9115-03	2.9619+00	9.9115-03	1.4050-02	2.2560-01	2.1262+05	2.4987-03	1.0880+00
65	461.13	2.7732+01	4.6719+00	1.5680-02	4.6719+00	1.5680-02	2.2227-02	3.5690-01	3.3637+05	3.9535-03	1.3070+00
66	472.27	4.0888+01	6.9397+00	2.3503-02	6.9397+00	2.3503-02	3.3316-02	5.3495-01	5.0418+05	5.9286-03	1.6410+00
69	457.81	7.6904+00	1.2926+00	4.3268-03	1.2926+00	4.3268-03	6.1335-03	9.8463-02	9.2818+04	1.0908-03	4.1100-01
70	457.31	1.0759+01	1.8079+00	6.0492-03	1.8079+00	6.0492-03	8.5749-03	1.3769-01	1.2976+05	1.5250-03	7.1100-01
71	466.19	2.6887+01	4.5316+00	1.5272-02	4.5316+00	1.5272-02	2.1648-02	3.4760-01	3.2761+05	3.8514-03	1.3070+00
72	480.30	3.7491+01	6.3971+00	2.1808-02	6.3971+00	2.1808-02	3.0914-02	4.9637-01	4.6782+05	5.5028-03	1.6410+00
73	485.18	7.7153+00	1.2705+00	4.3486-03	1.2705+00	4.3486-03	6.1642-03	9.8978-02	9.3284+04	1.0975-03	3.7770+00
74	447.33	6.9584+00	1.1341+00	3.7645-03	1.1341+00	3.7645-03	5.3363-03	8.5684-02	8.0755+04	9.4864-04	5.3230+00
77	458.01	1.8871+01	3.1445+00	1.0527-02	3.1445+00	1.0527-02	1.4923-02	2.3962-01	2.2583+05	2.6540-03	3.0090+00
78	478.71	1.6215+01	2.7073+00	9.2172-03	2.7073+00	9.2172-03	1.3066-02	2.0979-01	1.9773+05	2.3256-03	3.3930+00
79	496.61	1.4863+01	2.4658+00	8.5200-03	2.4658+00	8.5200-03	1.2077-02	1.9392-01	1.8277+05	2.1512-03	3.7770+00
80	473.03	3.9351+01	6.7017+00	2.2711-02	6.7017+00	2.2711-02	3.2194-02	5.1693-01	4.8719+05	5.7290-03	2.4660+00
81	467.71	1.9643+01	3.2945+00	1.1116-02	3.2945+00	1.1116-02	1.5758-02	2.5302-01	2.3847+05	2.8036-03	3.0090+00
82	480.95	1.4780+01	2.4787+00	8.4545-03	2.4787+00	8.4545-03	1.1985-02	1.9243-01	1.8136+05	2.1334-03	3.3930+00
83	498.86	1.6097+01	2.7068+00	9.3702-03	2.7068+00	9.3702-03	1.3283-02	2.1328-01	2.0101+05	2.3661-03	3.7770+00
337	508.99	2.9047+01	5.5363+00	1.9329-02	5.5363+00	1.9329-02	2.7399-02	4.3995-01	4.1464+05	4.8829-03	7.1680+00
339	473.01	1.4976+01	2.8478+00	9.6507-03	2.8478+00	9.6507-03	1.3680-02	2.1966-01	2.0702+05	2.4344-03	8.1130+00
340	457.35	3.8722+00	7.1344-01	2.3872-03	7.1344-01	2.3872-03	3.3840-03	5.4336-02	5.1210+04	6.0181-04	8.6180+00
342	507.94	2.8824+01	5.6659+00	1.9764-02	5.6659+00	1.9764-02	2.8016-02	4.4984-01	4.2397+05	4.9925-03	7.1680+00
344	471.86	1.6153+01	3.0855+00	1.0446-02	3.0855+00	1.0446-02	1.4808-02	2.3777-01	2.2409+05	2.6350-03	8.1130+00
347	497.41	2.3012+01	4.3537+00	1.5053-02	4.3537+00	1.5053-02	2.1339-02	3.4263-01	3.2292+05	3.8010-03	7.1680+00
349	470.28	1.3591+01	2.5865+00	8.7456-03	2.5865+00	8.7456-03	1.2397-02	1.9906-01	1.8761+05	2.2059-03	8.1130+00
350	453.28	3.3896+00	5.8792-01	1.9608-03	5.8792-01	1.9608-03	2.7795-03	4.4630-02	4.2063+04	4.9424-04	8.6180+00
352	492.34	2.1308+01	3.9216+00	1.3502-02	3.9216+00	1.3502-02	1.9140-02	3.0733-01	2.8965+05	3.4086-03	7.1680+00
354	474.08	1.2829+01	2.4414+00	8.2806-03	2.4414+00	8.2806-03	1.1738-02	1.8847-01	1.7763+05	2.0889-03	8.1130+00
357	492.45	1.5919+01	2.9220+00	1.0062-02	2.9220+00	1.0062-02	1.4263-02	2.2901-01	2.1584+05	2.5401-03	7.1680+00
359	483.24	9.6556+00	1.7279+00	5.9048-03	1.7279+00	5.9048-03	8.3703-03	1.3440-01	1.2667+05	1.4901-03	8.1130+00
401	466.36	1.3780+01	1.1512+00	3.8801-03	1.1512+00	3.8801-03	5.5002-03	8.8315-02	8.3235+04	9.7851-04	4.5500-01
403	463.36	1.3728+01	1.1310+00	3.8028-03	1.1310+00	3.8028-03	5.3906-03	8.6556-02	8.1577+04	9.5891-04	6.8600-01
404	468.01	1.6321+01	1.3568+00	4.5794-03	1.3568+00	4.5794-03	6.4914-03	1.0423-01	9.8235+04	1.1549-03	8.0100-01
405	481.15	2.4329+01	2.0282+00	6.9192-03	2.0282+00	6.9192-03	9.8082-03	1.5749-01	1.4843+05	1.7460-03	1.0510+00
406	490.39	3.1094+01	2.6235+00	9.0183-03	2.6235+00	9.0183-03	1.2784-02	2.0527-01	1.9346+05	2.2765-03	1.1670+00
407	503.21	3.8843+01	3.3635+00	1.1686-02	3.3635+00	1.1686-02	1.6566-02	2.6599-01	2.5069+05	2.9515-03	1.2830+00
408	467.87	1.6322+01	1.3326+00	4.4969-03	1.3326+00	4.4969-03	6.3746-03	1.0236-01	9.6467+04	1.1341-03	5.1300-01
409	470.31	1.9638+01	1.6352+00	5.5290-03	1.6352+00	5.5290-03	7.8376-03	1.2585-01	1.1861+05	1.3946-03	5.7000-01
410	468.27	1.7319+01	1.3887+00	4.6878-03	1.3887+00	4.6878-03	6.6451-03	1.0670-01	1.0056+05	1.1823-03	6.2800-01
411	476.13	2.2410+01	1.8732+00	6.3641-03	1.8732+00	6.3641-03	9.0214-03	1.4485-01	1.3652+05	1.6056-03	6.8600-01
412	472.50	1.0995+01	9.1136-01	3.0871-03	9.1136-01	3.0871-03	4.3761-03	7.0266-02	6.6224+04	7.7873-04	7.4400-01
413	480.15	2.4161+01	2.0370+00	6.9434-03	2.0370+00	6.9434-03	9.8425-03	1.5804-01	1.4895+05	1.7520-03	8.0100-01
414	473.20	2.0377+01	1.6899+00	5.7274-03	1.6859+00	5.7274-03	8.1189-03	1.3036-01	1.2286+05	1.4448-03	8.5900-01
415	481.55	2.6122+01	2.1913+00	7.4779-03	2.1913+00	7.4779-03	1.0600-02	1.7020-01	1.6041+05	1.8870-03	9.1700-01
416	470.63	1.7981+01	1.3906+00	4.7032-03	1.3906+00	4.7032-03	6.6670-03	1.0705-01	1.0089+05	1.1863-03	5.7000-01
417	486.29	2.7537+01	2.3034+00	7.8912-03	2.3034+00	7.8912-03	1.1186-02	1.7961-01	1.6928+05	1.9917-03	1.0520+00

3 1 1.92 -10.08 .00 -.00 402 11 1.85 10.04 217.5 1644.7

8.04129+01 4.81834-03 3.40050-01 4.41197+03 5.02729-06 6.51345-08 2.85686-02 7.72000+00 6.68923-06 7.51713-02

1	455.09	1.0338+01	1.7345+00	5.7812-03	1.7345+00	5.7812-03	8.1012-03	1.3086-01	1.2386+05	1.4580-03	4.1100-01
2	457.50	1.6280+01	2.7359+00	9.1368-03	2.7359+00	9.1368-03	1.2803-02	2.0681-01	1.9576+05	2.3045-03	7.1100-01
3	438.62	1.3477+01	2.2357+00	7.3547-03	2.2357+00	7.3547-03	1.0306-02	1.6647-01	1.5758+05	1.8537-03	1.3070+00
4	433.45	3.0872+01	5.1027+00	1.6718-02	5.1027+00	1.6718-02	2.3427-02	3.7842-01	3.5819+05	4.2128-03	1.6410+00
5	427.92	2.2091+01	3.8073+00	1.2420-02	3.8073+00	1.2420-02	1.7404-02	2.8113-01	2.6610+05	3.1290-03	1.7720+00
6	438.34	4.2868+00	7.0057-01	2.3042-03	7.0057-01	2.3042-03	3.2288-03	5.2155-02	4.9367+04	5.8073-04	2.4660+00
7	457.84	2.3345+00	3.8552-01	1.2878-03	3.8552-01	1.2878-03	1.8046-03	2.9150-02	2.7592+04	3.2483-04	3.0090+00
8	474.52	3.0925+00	5.1182-01	1.7329-03	5.1182-01	1.7329-03	2.4284-03	3.9225-02	3.7128+04	4.3739-04	3.3930+00
9	489.13	3.1003+00	5.1806-01	1.7752-03	5.1806-01	1.7752-03	2.4876-03	4.0181-02	3.8034+04	4.4832-04	3.7770+00
10	493.32	3.3595+00	5.6460-01	1.9414-03	5.6460-01	1.9414-03	2.7204-03	4.3943-02	4.1594+04	4.9037-04	5.3230+00
14	445.19	1.3769+01	2.2944+00	7.5875-03	2.2944+00	7.5875-03	1.0632-02	1.7174-01	1.6256+05	1.9128-03	1.0880+00
15	445.56	2.9261+01	4.8773+00	1.6133-02	4.8773+00	1.6133-02	2.2608-02	3.6518-01	3.4566+05	4.0674-03	1.3070+00
16	438.08	2.3606+01	3.9143+00	1.2872-02	3.9143+00	1.2872-02	1.8037-02	2.9135-01	2.7577+05	3.2440-03	1.6410+00
19	454.29	5.3257+00	8.1208-01	2.7050-03	8.1208-01	2.7050-03	3.7905-03	6.1228-02	5.7955+04	6.8219-04	4.1100-01
20	453.97	3.3215+00	5.3079-01	1.7676-03	5.3079-01	1.7676-03	2.4769-03	4.0009-02	3.7871+04	4.4577-04	7.1100-01
21	443.38	9.5532+00	1.5388+00	5.0814-03	1.5388+00	5.0814-03	7.1206-03	1.1502-01	1.0887+05	1.2809-03	1.0880+00
22	436.69	1.5172+01	2.4472+00	8.0385-03	2.4472+00	8.0385-03	1.1264-02	1.8195-01	1.7223+05	2.0258-03	1.3070+00
23	435.13	2.2292+01	3.5380+00	1.1607-02	3.5380+00	1.1607-02	1.6265-02	2.6272-01	2.4868+05	2.9250-03	1.6410+00
24	453.01	1.3538+00	2.2084-01	7.3485-04	2.2084-01	7.3485-04	1.0297-03	1.6633-02	1.5744+04	1.8531-04	3.0090+00
25	467.87	8.0935-01	1.3016-01	4.3831-04	1.3016-01	4.3831-04	6.1420-04	9.9212-03	9.3909+03	1.1060-04	3.3930+00
26	480.29	5.6415-01	9.2039-02	3.1310-04	9.2039-02	3.1310-04	4.3874-04	7.0870-03	6.7082+03	7.9044-05	3.7770+00
27	453.69	5.5350+00	8.8434-01	2.9443-03	8.8434-01	2.9443-03	4.1258-03	6.6644-02	6.3082+04	7.4252-04	7.1100-01
28	442.54	7.6685+00	1.2345+00	4.0738-03	1.2345+00	4.0738-03	5.7086-03	9.2211-02	8.7282+04	1.0269-03	1.0880+00
29	435.50	1.1317+01	1.8403+00	6.0393-03	1.8403+00	6.0393-03	8.4629-03	1.3670-01	1.2939+05	1.5220-03	1.3070+00
30	431.77	1.9940+01	3.2437+00	1.0614-02	3.2437+00	1.0614-02	1.4873-02	2.4024-01	2.2740+05	2.6743-03	1.6410+00
31	431.90	1.5078+01	2.4895+00	8.1464-03	2.4895+00	8.1464-03	1.1416-02	1.8439-01	1.7454+05	2.0527-03	1.7720+00
32	448.65	4.0613+00	6.6847-01	2.2166-03	6.6847-01	2.2166-03	3.1062-03	5.0174-02	4.7492+04	5.5890-04	2.4660+00
33	462.62	3.2151+00	5.3582-01	1.7968-03	5.3582-01	1.7968-03	2.5178-03	4.0670-02	3.8496+04	4.5329-04	3.0090+00
34	477.04	1.8187+00	3.0151-01	1.0229-03	3.0151-01	1.0229-03	1.4334-03	2.3154-02	2.1917+04	2.5822-04	3.3930+00
35	486.60	1.2914+00	2.0639-01	7.0574-04	2.0639-01	7.0574-04	9.8895-04	1.5974-02	1.5121+04	1.7821-04	3.7770+00
36	435.71	9.6748+00	1.5548+00	5.1032-03	1.5548+00	5.1032-03	7.1510-03	1.1551-01	1.0934+05	1.2860-03	1.3070+00
37	447.52	6.2275+00	1.0364+00	3.4336-03	1.0364+00	3.4336-03	4.8114-03	7.7718-02	7.3564+04	8.6569-04	2.4660+00
38	469.75	2.6078+00	4.3024-01	1.4511-03	4.3024-01	1.4511-03	2.0334-03	3.2845-02	3.1089+04	3.6617-04	3.0090+00
39	483.97	1.1501+00	1.9039-01	6.4964-04	1.9039-01	6.4964-04	9.1033-04	1.4705-02	1.3919+04	1.6403-04	3.3930+00
40	492.19	8.1558-01	1.3451-01	4.6207-04	1.3451-01	4.6207-04	6.4749-04	1.0459-02	9.8999+03	1.1671-04	3.7770+00
41	496.07	7.3974-01	1.1970-01	4.1251-04	1.1970-01	4.1251-04	5.7805-04	9.3371-03	8.8380+03	1.0421-04	4.1620+00
43	480.78	4.8000-01	8.0970-02	2.7555-04	8.0970-02	2.7555-04	3.8613-04	6.2372-03	5.9038+03	6.9567-05	5.3230+00
47	450.90	6.7033+00	1.0788+00	3.5838-03	1.0788+00	3.5838-03	5.0219-03	8.1118-02	7.6782+04	9.0368-04	7.1100-01
48	441.38	7.8057+00	1.2708+00	4.1896-03	1.2708+00	4.1896-03	5.8708-03	9.4831-02	8.9762+04	1.0560-03	1.0880+00
49	432.62	1.1196+01	1.8224+00	5.9669-03	1.8224+00	5.9669-03	8.3614-03	1.3506-01	1.2784+05	1.5035-03	1.3070+00
50	430.68	1.7566+01	2.8723+00	9.3903-03	2.8723+00	9.3903-03	1.3158-02	2.1255-01	2.0119+05	2.3660-03	1.6410+00
51	431.78	1.3731+01	2.2670+00	7.4176-03	2.2670+00	7.4176-03	1.0394-02	1.6790-01	1.5892+05	1.8690-03	1.7720+00
52	446.39	1.4026+00	2.3392-01	7.7429-04	2.3392-01	7.7429-04	1.0850-03	1.7526-02	1.6589+04	1.9521-04	2.4660+00
53	469.55	2.4327+00	4.0130-01	1.3533-03	4.0130-01	1.3533-03	1.8963-03	3.0631-02	2.8994+04	3.4149-04	3.0090+00
54	490.74	1.7860+00	2.9517-01	1.0128-03	2.9517-01	1.0128-03	1.4192-03	2.2924-02	2.1698+04	2.5579-04	3.3930+00
55	498.68	2.0790+00	3.3906-01	1.1710-03	3.3906-01	1.1710-03	1.6410-03	2.6506-02	2.5090+04	2.9586-04	3.7770+00
56	449.03	1.2774+00	1.9596-01	6.4999-04	1.9596-01	6.4999-04	9.1083-04	1.4713-02	1.3926+04	1.6389-04	4.1100-01
57	452.76	1.3429+01	2.1508+00	7.1556-03	2.1508+00	7.1556-03	1.0027-02	1.6197-01	1.5331+05	1.8045-03	7.1100-01
58	440.58	1.2003+01	1.9530+00	6.4349-03	1.9530+00	6.4349-03	9.0171-03	1.4565-01	1.3787+05	1.6219-03	1.0880+00
59	432.39	1.2082+01	1.9605+00	6.4179-03	1.9605+00	6.4179-03	8.9934-03	1.4527-01	1.3750+05	1.6172-03	1.3070+00
60	430.44	1.4031+01	2.2804+00	7.4538-03	2.2804+00	7.4538-03	1.0445-02	1.6872-01	1.5970+05	1.8780-03	1.6410+00
61	471.38	1.0416+00	1.7151-01	5.7922-04	1.7151-01	5.7922-04	8.1165-04	1.3111-02	1.2410+04	1.4617-04	3.0090+00
62	490.96	1.0026+00	1.6572-01	5.6872-04	1.6572-01	5.6872-04	7.9695-04	1.2873-02	1.2185+04	1.4364-04	3.3930+00
63	500.03	9.2052-01	1.5026-01	5.1955-04	1.5026-01	5.1955-04	7.2804-04	1.1760-02	1.1131+04	1.3127-04	3.7770+00
64	439.65	1.1337+01	1.8819+00	6.1960-03	1.8819+00	6.1960-03	8.6824-03	1.4025-01	1.3275+05	1.5617-03	1.0880+00
65	433.68	1.9470+01	3.2186+00	1.0547-02	3.2186+00	1.0547-02	1.4779-02	2.3873-01	2.2597+05	2.6577-03	1.3070+00
66	427.64	1.1989+01	1.9735+00	6.4366-03	1.9735+00	6.4366-03	9.0196-03	1.4569-01	1.3790+05	1.6216-03	1.6410+00
69	449.53	2.1912+00	3.6623-01	1.2153-03	3.6623-01	1.2153-03	1.7029-03	2.7507-02	2.6037+04	3.0642-04	4.1100-01
70	444.59	1.2727+00	2.1200-01	7.0071-04	2.1200-01	7.0071-04	9.8190-04	1.5861-02	1.5013+04	1.7665-04	7.1100-01
71	432.55	2.4732+00	4.0734-01	1.3336-03	4.0734-01	1.3336-03	1.8688-03	3.0187-02	2.8573+04	3.3605-04	1.3070+00
72	432.41	2.8197+00	4.6572-01	1.5246-03	4.6572-01	1.5246-03	2.1364-03	3.4510-02	3.2665+04	3.8417-04	1.6410+00
73	491.59	1.0857+00	1.7953-01	6.1644-04	1.7953-01	6.1644-04	8.6381-04	1.3953-02	1.3207+04	1.5569-04	3.7770+00
74	454.23	1.1652+00	1.9080-01	6.3553-04	1.9080-01	6.3553-04	8.9056-04	1.4385-02	1.3616+04	1.6028-04	5.3230+00
77	451.81	1.2997+00	2.1567-01	7.1695-04	2.1567-01	7.1695-04	1.0047-03	1.6228-02	1.5361+04	1.8079-04	3.0090+00
78	470.99	2.2914+00	3.8063-01	1.2851-03	3.8063-01	1.2851-03	1.8007-03	2.9087-02	2.7532+04	3.2430-04	3.3930+00
79	486.43	2.0005+00	3.2970-01	1.1272-03	3.2970-01	1.1272-03	1.5796-03	2.5515-02	2.4151+04	2.8465-04	3.7770+00
80	440.81	4.2951+00	7.1565-01	2.3584-03	7.1565-01	2.3584-03	3.3048-03	5.3382-02	5.0529+04	5.9445-04	2.4660+00
81	458.50	2.2561+00	3.7606-01	1.2569-03	3.7606-01	1.2569-03	1.7613-03	2.8450-02	2.6929+04	3.1703-04	3.0090+00
82	474.20	2.7081+00	4.5214-01	1.5305-03	4.5214-01	1.5305-03	2.1446-03	3.4642-02	3.2790+04	3.8628-04	3.3930+00
83	488.43	2.2940+00	3.8316-01	1.3122-03	3.8316-01	1.3122-03	1.8388-03	2.9701-02	2.8114+04	3.3138-04	3.7770+00
337	494.25	1.2991+01	2.4528+00	8.4404-03	2.4528+00	8.4404-03	1.1827-02	1.9105-01	1.8084+05	2.1320-03	7.1680+00
339	482.21	5.2192+00	9.9857-01	3.4023-03	9.9857-01	3.4023-03	4.7676-03	7.7010-02	7.2894+04	8.5899-04	8.1130+00
340	477.12	1.5927+00	2.9737-01	1.0090-03	2.9737-01	1.0090-03	1.4139-03	2.2838-02	2.1617+04	2.5469-04	8.6180+00
342	497.20	9.5179+00	1.8581+00	6.4096-03	1.8581+00	6.4096-03	8.9817-03	1.4508-01	1.3733+05	1.6192-03	7.1680+00
344	474.49	4.6977+00	8.9888-01	3.0434-03	8.9888-01	3.0434-03	4.2646-03	6.8887-02	6.5204+04	7.6814-04	8.1130+00
347	485.15	5.0239+00	9.4294-01	3.2205-03	9.4294-01	3.2205-03	4.5129-03	7.2896-02	6.9000+04	8.1320-04	7.1680+00
349	478.24	3.7512+00	7.1769-01	2.4374-03	7.1769-01	2.4374-03	3.4155-03	5.5170-02	5.2221+04	6.1528-04	8.1130+00
350	475.01	8.8104-01	1.5506-01	5.2523-04	1.5506-01	5.2523-04	7.3600-04	1.1888-02	1.1253+04	1.3257-04	8.6180+00
352	474.01	1.7158+00	3.1202-01	1.0560-03	3.1202-01	1.0560-03	1.4798-03	2.3902-02	2.2625+04	2.6652-04	7.1680+00
354	488.60	2.9371+00	5.6430-01	1.9328-03	5.6430-01	1.9328-03	2.7084-03	4.3749-02	4.1410+04	4.8811-04	8.1130+00
357	482.05	3.8779+00	7.0700-01	2.4085-03	7.0700-01	2.4085-03	3.3751-03	5.4517-02	5.1603+04	6.0809-04	7.1680+00
359	494.85	3.0202+00	5.4460-01	1.8750-03	5.4460-01	1.8750-03	2.6274-03	4.2440-02	4.0171+04	4.7362-04	8.1130+00
401	458.45	1.2818+01	1.0651+00	3.5597-03	1.0651+00	3.5597-03	4.9882-03	8.0575-02	7.6268+04	8.9789-04	4.5500-01
403	454.89	4.1195+00	3.3744-01	1.1245-03	3.3744-01	1.1245-03	1.5758-03	2.5454-02	2.4093+04	2.8361-04	6.8600-01
404	456.60	5.9008+00	4.8681-01	1.6246-03	4.8681-01	1.6246-03	2.2765-03	3.6772-02	3.4806+04	4.0974-04	8.0100-01
405	457.84	1.0967+01	9.0017-01	3.0070-03	9.0017-01	3.0070-03	4.2136-03	6.8063-02	6.4425+04	7.5845-04	1.0510+00
406	458.29	2.1685+01	1.7911+00	5.9852-03	1.7911+00	5.9852-03	8.3870-03	1.3547-01	1.2823+05	1.5097-03	1.1670+00
407	458.75	2.7763+01	2.3347+00	7.8048-03	2.3347+00	7.8048-03	1.0937-02	1.7666-01	1.6722+05	1.9687-03	1.2830+00
408	458.27	8.8197+00	7.1544-01	2.3907-03	7.1544-01	2.3907-03	3.3501-03	5.4114-02	5.1222+04	6.0302-04	5.1300-01
409	449.74	3.5927+00	2.9501-01	9.7912-04	2.9501-01	9.7912-04	1.3720-03	2.2162-02	2.0978+04	2.4688-04	5.7000-01
410	456.45	6.4540+00	5.1339-01	1.7130-03	5.1339-01	1.7130-03	2.4005-03	3.8774-02	3.6702+04	4.3205-04	6.2800-01
411	451.42	2.8670+00	2.3569-01	7.8330-04	2.3569-01	7.8330-04	1.0976-03	1.7730-02	1.6782+04	1.9752-04	6.8600-01
412	464.20	6.5283+00	5.3814-01	1.8069-03	5.3814-01	1.8069-03	2.5319-03	4.0898-02	3.8712+04	4.5586-04	7.4400-01
413	450.46	3.4805+00	2.8764-01	9.5520-04	2.8764-01	9.5520-04	1.3385-03	2.1621-02	2.0465+04	2.4086-04	8.0100-01
414	457.14	9.8660+00	8.0939-01	2.7022-03	8.0939-01	2.7022-03	3.7866-03	6.1165-02	5.7895+04	6.8156-04	8.5900-01
415	450.53	3.8260+00	3.1434-01	1.0439-03	3.1434-01	1.0439-03	1.4628-03	2.3629-02	2.2366+04	2.6323-04	9.1700-01
416	459.79	7.4836+00	5.7454-01	1.9222-03	5.7454-01	1.9222-03	2.6936-03	4.3510-02	4.1184+04	4.8488-04	5.7000-01
417	459.92	1.7311+01	1.4229+00	4.7610-03	1.4229+00	4.7610-03	6.6716-03	1.0777-01	1.0200+05	1.2010-03	1.0520+00

3 1 1.91 -10.09 .00 -.00 402 11 2.10 10.04 217.5 1644.9

8.04219+01 4.81827-03 3.40045-01 4.41222+03 5.02665-06 6.51418-08 2.85634-02 7.72000+00 6.69008-06 7.51701-02

1	458.27	1.2507+01	2.1028+00	7.0278-03	2.1028+00	7.0278-03	9.8487-03	1.5907-01	1.5055+05	1.7721-03	4.1100-01
2	461.11	1.4438+01	2.4322+00	8.1474-03	2.4322+00	8.1474-03	1.1418-02	1.8442-01	1.7454+05	2.0547-03	7.1100-01
3	441.68	1.2659+01	2.1043+00	6.9406-03	2.1043+00	6.9406-03	9.7264-03	1.5710-01	1.4868+05	1.7490-03	1.3070+00
4	441.59	3.1965+01	5.3133+00	1.7523-02	5.3133+00	1.7523-02	2.4557-02	3.9664-01	3.7539+05	4.4157-03	1.6410+00
5	433.79	2.3097+01	3.9972+00	1.3102-02	3.9972+00	1.3102-02	1.8361-02	2.9656-01	2.8067+05	3.3005-03	1.7720+00
6	439.41	4.3652+00	7.1392-01	2.3504-03	7.1392-01	2.3504-03	3.2939-03	5.3202-02	5.0352+04	5.9224-04	2.4660+00
7	458.41	2.3725+00	3.9194-01	1.3101-03	3.9194-01	1.3101-03	1.8359-03	2.9653-02	2.8065+04	3.3034-04	3.0090+00
8	475.34	3.1958+00	5.2922-01	1.7933-03	5.2922-01	1.7933-03	2.5132-03	4.0592-02	3.8417+04	4.5251-04	3.3930+00
9	489.93	3.2239+00	5.3900-01	1.8485-03	5.3900-01	1.8485-03	2.5904-03	4.1840-02	3.9599+04	4.6670-04	3.7770+00
10	494.22	3.5153+00	5.9114-01	2.0345-03	5.9114-01	2.0345-03	2.8511-03	4.6050-02	4.3583+04	5.1374-04	5.3230+00
14	448.17	1.2100+01	2.0204+00	6.6983-03	2.0204+00	6.6983-03	9.3870-03	1.5162-01	1.4349+05	1.6884-03	1.0880+00
15	452.94	2.8782+01	4.8218+00	1.6046-02	4.8218+00	1.6046-02	2.2487-02	3.6321-01	3.4375+05	4.0454-03	1.3070+00
16	443.85	2.2809+01	3.7973+00	1.2546-02	3.7973+00	1.2546-02	1.7582-02	2.8398-01	2.6876+05	3.1618-03	1.6410+00
19	455.83	6.0514+00	9.2371-01	3.0812-03	9.2371-01	3.0812-03	4.3179-03	6.9742-02	6.6005+04	7.7686-04	4.1100-01
20	454.45	2.2109+00	3.5342-01	1.1776-03	3.5342-01	1.1776-03	1.6503-03	2.6655-02	2.5227+04	2.9689-04	7.1100-01
21	444.93	6.6784+00	1.0769+00	3.5610-03	1.0769+00	3.5610-03	4.9904-03	8.0604-02	7.6285+04	8.9746-04	1.0880+00
22	439.96	1.3477+01	2.1789+00	7.1766-03	2.1789+00	7.1766-03	1.0057-02	1.6244-01	1.5374+05	1.8083-03	1.3070+00
23	440.85	2.2610+01	3.6027+00	1.1875-02	3.6027+00	1.1875-02	1.6641-02	2.6878-01	2.5438+05	2.9923-03	1.6410+00
24	453.29	1.1013+00	1.7969-01	5.9814-04	1.7969-01	5.9814-04	8.3823-04	1.3539-02	1.2814+04	1.5080-04	3.0090+00
25	468.02	6.8104-01	1.0953-01	3.6896-04	1.0953-01	3.6896-04	5.1706-04	8.3515-03	7.9040+03	9.3073-05	3.3930+00
26	480.38	4.4000-01	7.1788-02	2.4427-04	7.1788-02	2.4427-04	3.4231-04	5.5290-03	5.2328+03	6.1648-05	3.7770+00
27	454.21	2.4997+00	3.9953-01	1.3309-03	3.9953-01	1.3309-03	1.8652-03	3.0126-02	2.8512+04	3.3555-04	7.1100-01
28	443.49	4.5112+00	7.2671-01	2.4003-03	7.2671-01	2.4003-03	3.3637-03	5.4330-02	5.1420+04	6.0490-04	1.0880+00
29	437.98	1.0358+01	1.6873+00	5.5489-03	1.6873+00	5.5489-03	7.7761-03	1.2560-01	1.1887+05	1.3981-03	1.3070+00
30	436.86	2.0294+01	3.3131+00	1.0886-02	3.3131+00	1.0886-02	1.5255-02	2.4640-01	2.3320+05	2.7426-03	1.6410+00
31	435.94	1.5742+01	2.6064+00	8.5576-03	2.6064+00	8.5576-03	1.1993-02	1.9370-01	1.8332+05	2.1560-03	1.7720+00
32	449.62	4.0156+00	6.6139-01	2.1952-03	6.6139-01	2.1952-03	3.0763-03	4.9688-02	4.7026+04	5.5335-04	2.4660+00
33	463.45	3.3257+00	5.5457-01	1.8612-03	5.5457-01	1.8612-03	2.6083-03	4.2128-02	3.9871+04	4.6941-04	3.0090+00
34	477.52	1.8665+00	3.0953-01	1.0507-03	3.0953-01	1.0507-03	1.4725-03	2.3784-02	2.2509+04	2.6516-04	3.3930+00
35	486.91	1.2083+00	1.9314-01	6.6073-04	1.9314-01	6.6073-04	9.2594-04	1.4956-02	1.4154+04	1.6680-04	3.7770+00
36	437.44	7.7642+00	1.2493+00	4.1066-03	1.2493+00	4.1066-03	5.7549-03	9.2952-02	8.7972+04	1.0347-03	1.3070+00
37	449.09	6.1797+00	1.0295+00	3.4157-03	1.0295+00	3.4157-03	4.7867-03	7.7314-02	7.3172+04	8.6098-04	2.4660+00
38	470.39	2.5870+00	4.2699-01	1.4411-03	4.2699-01	1.4411-03	2.0195-03	3.2619-02	3.0872+04	3.6356-04	3.0090+00
39	484.23	1.0390+00	1.7202-01	5.8717-04	1.7202-01	5.8717-04	8.2285-04	1.3290-02	1.2578+04	1.4821-04	3.3930+00
40	492.37	7.3974-01	1.2201-01	4.1928-04	1.2201-01	4.1928-04	5.8758-04	9.4905-03	8.9820+03	1.0587-04	3.7770+00
41	496.23	7.5065-01	1.2147-01	4.1876-04	1.2147-01	4.1876-04	5.8685-04	9.4787-03	8.9709+03	1.0575-04	4.1620+00
43	480.86	4.3688-01	7.3701-02	2.5087-04	7.3701-02	2.5087-04	3.5157-04	5.6785-03	5.3743+03	6.3317-05	5.3230+00
47	451.93	4.7631+00	7.6709-01	2.5507-03	7.6709-01	2.5507-03	3.5746-03	5.7736-02	5.4643+04	6.4303-04	7.1100-01
48	442.69	5.9678+00	9.7243-01	3.2099-03	9.7243-01	3.2099-03	4.4983-03	7.2655-02	6.8763+04	8.0889-04	1.0880+00
49	434.67	8.4945+00	1.3847+00	4.5418-03	1.3847+00	4.5418-03	6.3648-03	1.0280-01	9.7296+04	1.1442-03	1.3070+00
50	434.75	1.6649+01	2.7302+00	8.9555-03	2.7302+00	8.9555-03	1.2550-02	2.0271-01	1.9185+05	2.2561-03	1.6410+00
51	435.15	1.3477+01	2.2302+00	7.3179-03	2.2302+00	7.3179-03	1.0255-02	1.6564-01	1.5677+05	1.8436-03	1.7720+00
52	446.72	1.2535+00	2.0910-01	6.9243-04	2.0910-01	6.9243-04	9.7037-04	1.5673-02	1.4833+04	1.7452-04	2.4660+00
53	470.12	2.4021+00	3.9639-01	1.3375-03	3.9639-01	1.3375-03	1.8744-03	3.0275-02	2.8653+04	3.3743-04	3.0090+00
54	491.16	1.7127+00	2.8314-01	9.7199-04	2.8314-01	9.7199-04	1.3621-03	2.2001-02	2.0822+04	2.4542-04	3.3930+00
55	499.19	2.0945+00	3.4171-01	1.1809-03	3.4171-01	1.1809-03	1.6549-03	2.6730-02	2.5298+04	2.9826-04	3.7770+00
56	449.30	1.3314+00	2.0428-01	6.7785-04	2.0428-01	6.7785-04	9.4994-04	1.5343-02	1.4521+04	1.7087-04	4.1100-01
57	456.08	1.3129+01	2.1076+00	7.0315-03	2.1076+00	7.0315-03	9.8538-03	1.5916-01	1.5063+05	1.7729-03	7.1100-01
58	443.36	1.1291+01	1.8407+00	6.0791-03	1.8407+00	6.0791-03	8.5191-03	1.3760-01	1.3023+05	1.5320-03	1.0880+00
59	435.14	1.1313+01	1.8393+00	6.0351-03	1.8393+00	6.0351-03	8.4575-03	1.3660-01	1.2929+05	1.5204-03	1.3070+00
60	433.57	1.2953+01	2.1099+00	6.9144-03	2.1099+00	6.9144-03	9.6898-03	1.5651-01	1.4812+05	1.7418-03	1.6410+00
61	471.63	9.4961-01	1.5639-01	5.2836-04	1.5639-01	5.2836-04	7.4044-04	1.1959-02	1.1319+04	1.3330-04	3.0090+00
62	491.21	1.0161+00	1.6798-01	5.7670-04	1.6798-01	5.7670-04	8.0818-04	1.3053-02	1.2354+04	1.4561-04	3.3930+00
63	500.26	8.7532-01	1.4290-01	4.9429-04	1.4290-01	4.9429-04	6.9269-04	1.1188-02	1.0589+04	1.2485-04	3.7770+00
64	442.66	1.1890+01	1.9779+00	6.5285-03	1.9779+00	6.5285-03	9.1490-03	1.4777-01	1.3986+05	1.6452-03	1.0880+00
65	438.99	2.0429+01	3.3897+00	1.1156-02	3.3897+00	1.1156-02	1.5634-02	2.5252-01	2.3899+05	2.8110-03	1.3070+00
66	430.59	1.1965+01	1.9736+00	6.4528-03	1.9736+00	6.4528-03	9.0429-03	1.4606-01	1.3823+05	1.6253-03	1.6410+00
69	450.07	2.3081+00	3.8591-01	1.2813-03	3.8591-01	1.2813-03	1.7956-03	2.9002-02	2.7449+04	3.2299-04	4.1100-01
70	444.69	6.0935-01	1.0151-01	3.3559-04	1.0151-01	3.3559-04	4.7029-04	7.5961-03	7.1891+03	8.4576-05	7.1100-01
71	432.85	1.6010+00	2.6374-01	8.6384-04	2.6374-01	8.6384-04	1.2106-03	1.9553-02	1.8506+04	2.1761-04	1.3070+00
72	432.79	1.8691+00	3.0879-01	1.0113-03	3.0879-01	1.0113-03	1.4173-03	2.2892-02	2.1665+04	2.5476-04	1.6410+00
73	491.85	1.0514+00	1.7389-01	5.9730-04	1.7389-01	5.9730-04	8.3705-04	1.3520-02	1.2796+04	1.5082-04	3.7770+00
74	454.45	8.8883-01	1.4557-01	4.8503-04	1.4557-01	4.8503-04	6.7972-04	1.0979-02	1.0390+04	1.2229-04	5.3230+00
77	452.12	1.3990+00	2.3218-01	7.7216-04	2.3218-01	7.7216-04	1.0821-03	1.7478-02	1.6542+04	1.9466-04	3.0090+00
78	471.56	2.2992+00	3.8207-01	1.2907-03	3.8207-01	1.2907-03	1.8088-03	2.9215-02	2.7650+04	3.2563-04	3.3930+00
79	486.93	1.9829+00	3.2689-01	1.1183-03	3.2689-01	1.1183-03	1.5672-03	2.5313-02	2.3956+04	2.8231-04	3.7770+00
80	441.91	4.4945+00	7.4946-01	2.4723-03	7.4946-01	2.4723-03	3.4647-03	5.5961-02	5.2963+04	6.2301-04	2.4660+00
81	459.06	2.2504+00	3.7525-01	1.2550-03	3.7525-01	1.2550-03	1.7587-03	2.8406-02	2.6884+04	3.1646-04	3.0090+00
82	474.88	2.7195+00	4.5425-01	1.5387-03	4.5425-01	1.5387-03	2.1563-03	3.4829-02	3.2963+04	3.8825-04	3.3930+00
83	489.02	2.3179+00	3.8730-01	1.3272-03	3.8730-01	1.3272-03	1.8600-03	3.0042-02	2.8432+04	3.3508-04	3.7770+00
337	497.48	1.2906+01	2.4418+00	8.4265-03	2.4418+00	8.4265-03	1.1809-02	1.9073-01	1.8052+05	2.1281-03	7.1680+00
339	483.50	5.1579+00	9.8768-01	3.3693-03	9.8768-01	3.3693-03	4.7217-03	7.6264-02	7.2178+04	8.5044-04	8.1130+00
340	477.51	1.5829+00	2.9560-01	1.0034-03	2.9560-01	1.0034-03	1.4062-03	2.2713-02	2.1496+04	2.5322-04	8.6180+00
342	499.54	9.5205+00	1.8614+00	6.4346-03	1.8614+00	6.4346-03	9.0174-03	1.4565-01	1.3784+05	1.6252-03	7.1680+00
344	475.60	4.5268+00	8.6682-01	2.9380-03	8.6682-01	2.9380-03	4.1172-03	6.6501-02	6.2938+04	7.4134-04	8.1130+00
347	486.36	4.9579+00	9.3129-01	3.1844-03	9.3129-01	3.1844-03	4.4626-03	7.2079-02	6.8217+04	8.0387-04	7.1680+00
349	479.01	3.1595+00	6.0479-01	2.0556-03	6.0479-01	2.0556-03	2.8807-03	4.6528-02	4.4035+04	5.1875-04	8.1130+00
350	475.18	7.1584-01	1.2600-01	4.2692-04	1.2600-01	4.2692-04	5.9828-04	9.6634-03	9.1457+03	1.0772-04	8.6180+00
352	474.21	9.5948-01	1.7450-01	5.9078-04	1.7450-01	5.9078-04	8.2791-04	1.3372-02	1.2656+04	1.4906-04	7.1680+00
354	489.08	1.9834+00	3.8118-01	1.3063-03	3.8118-01	1.3063-03	1.8307-03	2.9569-02	2.7984+04	3.2980-04	8.1130+00
357	482.66	2.4343+00	4.4398-01	1.5135-03	4.4398-01	1.5135-03	2.1210-03	3.4258-02	3.2423+04	3.8201-04	7.1680+00
359	495.31	1.6935+00	3.0546-01	1.0522-03	3.0546-01	1.0522-03	1.4746-03	2.3817-02	2.2541+04	2.6572-04	8.1130+00
401	461.64	1.2231+01	1.0185+00	3.4134-03	1.0185+00	3.4134-03	4.7835-03	7.7262-02	7.3123+04	8.6082-04	4.5500-01
403	455.61	3.3262+00	2.7260-01	9.0912-04	2.7260-01	9.0912-04	1.2740-03	2.0578-02	1.9475+04	2.2922-04	6.8600-01
404	457.81	5.2000+00	4.2935-01	1.4344-03	4.2935-01	1.4344-03	2.0102-03	3.2468-02	3.0729+04	3.6169-04	8.0100-01
405	460.46	1.0796+01	8.8771-01	2.9721-03	8.8771-01	2.9721-03	4.1651-03	6.7273-02	6.3669+04	7.4950-04	1.0510+00
406	463.11	1.9657+01	1.6288+00	5.4650-03	1.6288+00	5.4650-03	7.6586-03	1.2370-01	1.1707+05	1.3783-03	1.1670+00
407	464.99	2.5301+01	2.1367+00	7.1798-03	2.1367+00	7.1798-03	1.0062-02	1.6251-01	1.5381+05	1.8109-03	1.2830+00
408	459.74	6.4135+00	5.2077-01	1.7426-03	5.2077-01	1.7426-03	2.4420-03	3.9443-02	3.7329+04	4.3942-04	5.1300-01
409	450.49	3.1190+00	2.5624-01	8.5109-04	2.5624-01	8.5109-04	1.1927-03	1.9264-02	1.8232+04	2.1454-04	5.7000-01
410	457.76	5.6031+00	4.4610-01	1.4903-03	4.4610-01	1.4903-03	2.0885-03	3.3733-02	3.1926+04	3.7578-04	6.2800-01
411	452.05	2.6842+00	2.2076-01	7.3414-04	2.2076-01	7.3414-04	1.0288-03	1.6617-02	1.5727+04	1.8507-04	6.8600-01
412	465.79	6.4338+00	5.3091-01	1.7852-03	5.3091-01	1.7852-03	2.5017-03	4.0407-02	3.8243+04	4.5028-04	7.4400-01
413	451.26	3.1070+00	2.5692-01	8.5384-04	2.5692-01	8.5384-04	1.1966-03	1.9327-02	1.8291+04	2.1524-04	8.0100-01
414	459.52	9.3756+00	7.7040-01	2.5774-03	7.7040-01	2.5774-03	3.6119-03	5.8339-02	5.5214+04	6.4994-04	8.5900-01
415	451.30	3.0940+00	2.5434-01	8.4529-04	2.5434-01	8.4529-04	1.1846-03	1.9133-02	1.8108+04	2.1309-04	9.1700-01
416	461.07	5.9875+00	4.6008-01	1.5411-03	4.6008-01	1.5411-03	2.1597-03	3.4883-02	3.3014+04	3.8865-04	5.7000-01
417	464.15	1.6431+01	1.3543+00	4.5479-03	1.3543+00	4.5479-03	6.3734-03	1.0294-01	9.7427+04	1.1471-03	1.0520+00

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3 1 1.90 -10.10 .00 -.00 402 11 2.35 10.04 217.5 1645.2

8.04400+01 4.81813-03 3.40036-01 4.41271+03 5.02538-06 6.51564-08 2.85529-02 7.72000+00 6.69180-06 7.51677-02

1	461.52	1.3019+01	2.1938+00	7.3524-03	2.1938+00	7.3524-03	1.0305-02	1.6642-01	1.5747+05	1.8534-03	4.1100-01
2	464.55	1.4090+01	2.3791+00	7.9928-03	2.3791+00	7.9928-03	1.1203-02	1.8092-01	1.7118+05	2.0150-03	7.1100-01
3	444.86	1.2788+01	2.1305+00	7.0458-03	2.1305+00	7.0458-03	9.8753-03	1.5948-01	1.5090+05	1.7749-03	1.3070+00
4	449.60	3.1805+01	5.3160+00	1.7647-02	5.3160+00	1.7647-02	2.4734-02	3.9944-01	3.7794+05	4.4463-03	1.6410+00
5	439.58	2.3016+01	3.9993+00	1.3171-02	3.9993+00	1.3171-02	1.8460-02	2.9812-01	2.8208+05	3.3172-03	1.7720+00
6	440.52	4.5216+00	7.4006-01	2.4390-03	7.4006-01	2.4390-03	3.4185-03	5.5208-02	5.2236+04	6.1432-04	2.4660+00
7	459.03	2.4244+00	4.0069-01	1.3402-03	4.0069-01	1.3402-03	1.8784-03	3.0335-02	2.8702+04	3.3780-04	3.0090+00
8	476.12	3.1148+00	5.1607-01	1.7502-03	5.1607-01	1.7502-03	2.4530-03	3.9615-02	3.7483+04	4.4143-04	3.3930+00
9	490.74	3.1891+00	5.3346-01	1.8310-03	5.3346-01	1.8310-03	2.5663-03	4.1445-02	3.9214+04	4.6209-04	3.7770+00
10	495.10	3.5029+00	5.8937-01	2.0302-03	5.8937-01	2.0302-03	2.8455-03	4.5954-02	4.3481+04	5.1245-04	5.3230+00
14	451.13	1.2004+01	2.0085+00	6.6756-03	2.0085+00	6.6756-03	9.3565-03	1.5110-01	1.4297+05	1.6821-03	1.0880+00
15	459.90	2.7864+01	4.6901+00	1.5698-02	4.6901+00	1.5698-02	2.2002-02	3.5533-01	3.3620+05	3.9569-03	1.3070+00
16	449.49	2.2621+01	3.7808+00	1.2549-02	3.7808+00	1.2549-02	1.7589-02	2.8406-01	2.6877+05	3.1619-03	1.6410+00
19	457.38	6.2140+00	9.4953-01	3.1717-03	9.4953-01	3.1717-03	4.4454-03	7.1792-02	6.7928+04	7.9939-04	4.1100-01
20	454.99	2.1340+00	3.4126-01	1.1377-03	3.4126-01	1.1377-03	1.5946-03	2.5752-02	2.4366+04	2.8672-04	7.1100-01
21	446.46	6.3278+00	1.0214+00	3.3823-03	1.0214+00	3.3823-03	4.7406-03	7.6558-02	7.2438+04	8.5209-04	1.0880+00
22	443.29	1.3450+01	2.1794+00	7.1986-03	2.1794+00	7.1986-03	1.0089-02	1.6294-01	1.5417+05	1.8133-03	1.3070+00
23	446.52	2.2329+01	3.5718+00	1.1828-02	3.5718+00	1.1828-02	1.6578-02	2.6772-01	2.5332+05	2.9798-03	1.6410+00
24	453.55	1.0826+00	1.7667-01	5.8831-04	1.7667-01	5.8831-04	8.2456-04	1.3316-02	1.2600+04	1.4825-04	3.0090+00
25	468.20	6.4727-01	1.0411-01	3.5082-04	1.0411-01	3.5082-04	4.9171-04	7.9408-03	7.5135+03	8.8457-05	3.3930+00
26	480.50	3.9948-01	6.5182-02	2.2185-04	6.5182-02	2.2185-04	3.1094-04	5.0215-03	4.7512+03	5.5964-05	3.7770+00
27	454.67	2.0743+00	3.3163-01	1.1054-03	3.3163-01	1.1054-03	1.5492-03	2.5020-02	2.3673+04	2.7856-04	7.1100-01
28	444.54	4.3288+00	6.9784-01	2.3072-03	6.9784-01	2.3072-03	3.2338-03	5.2224-02	4.9413+04	5.8121-04	1.0880+00
29	440.56	1.0269+01	1.6758+00	5.5230-03	1.6758+00	5.5230-03	7.7409-03	1.2501-01	1.1828+05	1.3911-03	1.3070+00
30	441.99	2.0305+01	3.3269+00	1.0977-02	3.3269+00	1.0977-02	1.5385-02	2.4847-01	2.3510+05	2.7650-03	1.6410+00
31	439.89	1.5614+01	2.5924+00	8.5395-03	2.5924+00	8.5395-03	1.1969-02	1.9329-01	1.8289+05	2.1508-03	1.7720+00
32	450.65	3.9221+00	6.4644-01	2.1477-03	6.4644-01	2.1477-03	3.0102-03	4.8613-02	4.5997+04	5.4115-04	2.4660+00
33	464.30	3.2935+00	5.4951-01	1.8458-03	5.4951-01	1.8458-03	2.5870-03	4.1780-02	3.9531+04	4.6533-04	3.0090+00
34	477.98	1.8213+00	3.0213-01	1.0262-03	3.0213-01	1.0262-03	1.4383-03	2.3227-02	2.1977+04	2.5884-04	3.3930+00
35	487.21	1.2068+00	1.9293-01	6.6027-04	1.9293-01	6.6027-04	9.2543-04	1.4945-02	1.4141+04	1.6661-04	3.7770+00
36	439.37	7.6369+00	1.2304+00	4.0515-03	1.2304+00	4.0515-03	5.6785-03	9.1705-02	8.6770+04	1.0204-03	1.3070+00
37	450.62	5.9590+00	9.9380-01	3.3017-03	9.9380-01	3.3017-03	4.6276-03	7.4733-02	7.0711+04	8.3192-04	2.4660+00
38	471.05	2.6057+00	4.3027-01	1.4532-03	4.3027-01	1.4532-03	2.0367-03	3.2892-02	3.1122+04	3.6645-04	3.0090+00
39	484.45	1.1403+00	1.8882-01	6.4473-04	1.8882-01	6.4473-04	9.0365-04	1.4594-02	1.3808+04	1.6267-04	3.3930+00
40	492.54	7.4961-01	1.2366-01	4.2506-04	1.2366-01	4.2506-04	5.9575-04	9.6211-03	9.1034+03	1.0728-04	3.7770+00
41	496.43	7.8640-01	1.2729-01	4.3896-04	1.2729-01	4.3896-04	6.1524-04	9.9358-03	9.4011+03	1.1060-04	4.1620+00
43	480.96	4.4416-01	7.4933-02	2.5513-04	7.4933-02	2.5513-04	3.5759-04	5.7749-03	5.4641+03	6.4362-05	5.3230+00
47	453.06	4.7579+00	7.6685-01	2.5527-03	7.6685-01	2.5527-03	3.5778-03	5.7780-02	5.4670+04	6.4325-04	7.1100-01
48	444.18	5.9200+00	9.6564-01	3.1917-03	9.6564-01	3.1917-03	4.4735-03	7.2245-02	6.8357+04	8.0402-04	1.0880+00
49	436.66	8.2681+00	1.3496+00	4.4345-03	1.3496+00	4.4345-03	6.2153-03	1.0037-01	9.4973+04	1.1167-03	1.3070+00
50	438.91	1.6547+01	2.7213+00	8.9574-03	2.7213+00	8.9574-03	1.2555-02	2.0275-01	1.9184+05	2.2559-03	1.6410+00
51	438.50	1.3330+01	2.2111+00	7.2755-03	2.2111+00	7.2755-03	1.0197-02	1.6468-01	1.5582+05	1.8323-03	1.7720+00
52	447.01	1.2826+00	2.1400-01	7.0892-04	2.1400-01	7.0892-04	9.9362-04	1.6046-02	1.5183+04	1.7860-04	2.4660+00
53	470.71	2.3610+00	3.8978-01	1.3161-03	3.8978-01	1.3161-03	1.8446-03	2.9789-02	2.8186+04	3.3187-04	3.0090+00
54	491.58	1.7449+00	2.8854-01	9.9105-04	2.8854-01	9.9105-04	1.3890-03	2.2432-02	2.1225+04	2.5012-04	3.3930+00
55	499.70	2.1127+00	3.4479-01	1.1922-03	3.4479-01	1.1922-03	1.6710-03	2.6986-02	2.5534+04	3.0099-04	3.7770+00
56	449.74	8.5089-01	1.3059-01	4.3356-04	1.3059-01	4.3356-04	6.0767-04	9.8136-03	9.2855+03	1.0924-04	4.1100-01
57	459.39	1.3098+01	2.1073+00	7.0503-03	2.1073+00	7.0503-03	9.8816-03	1.5958-01	1.5100+05	1.7771-03	7.1100-01
58	446.16	1.1299+01	1.8455+00	6.1095-03	1.8455+00	6.1095-03	8.5630-03	1.3829-01	1.3085+05	1.5391-03	1.0880+00
59	438.00	1.1179+01	1.8210+00	5.9896-03	1.8210+00	5.9896-03	8.3950-03	1.3558-01	1.2828+05	1.5085-03	1.3070+00
60	436.81	1.2895+01	2.1051+00	6.9174-03	2.1051+00	6.9174-03	9.6953-03	1.5657-01	1.4815+05	1.7420-03	1.6410+00
61	471.86	9.1065-01	1.5000-01	5.0694-04	1.5000-01	5.0694-04	7.1052-04	1.1475-02	1.0857+04	1.2784-04	3.0090+00
62	491.49	1.0353+00	1.7119-01	5.8794-04	1.7119-01	5.8794-04	8.2404-04	1.3308-02	1.2592+04	1.4838-04	3.3930+00
63	500.48	9.2727-01	1.5140-01	5.2388-04	1.5140-01	5.2388-04	7.3427-04	1.1858-02	1.1220+04	1.3226-04	3.7770+00
64	445.63	1.1863+01	1.9774+00	6.5435-03	1.9774+00	6.5435-03	9.1713-03	1.4811-01	1.4014+05	1.6484-03	1.0880+00
65	444.04	1.9609+01	3.2651+00	1.0791-02	3.2651+00	1.0791-02	1.5124-02	2.4425-01	2.3111+05	2.7183-03	1.3070+00
66	433.59	1.2027+01	1.9861+00	6.5164-03	1.9881+00	6.5164-03	9.1334-03	1.4750-01	1.3956+05	1.6409-03	1.6410+00
69	450.67	2.4338+00	4.0709-01	1.3525-03	4.0709-01	1.3525-03	1.8957-03	3.0614-02	2.8967+04	3.4079-04	4.1100-01
70	444.82	5.7766-01	9.6237-02	3.1825-04	9.6237-02	3.1825-04	4.4606-04	7.2037-03	6.8160+03	8.0172-05	7.1100-01
71	433.22	1.5704+00	2.5876-01	8.4792-04	2.5876-01	8.4792-04	1.1884-03	1.9193-02	1.8160+04	2.1350-04	1.3070+00
72	433.23	1.7605+00	2.9095-01	9.5338-04	2.9095-01	9.5338-04	1.3362-03	2.1580-02	2.0418+04	2.4006-04	1.6410+00
73	492.08	1.0286+00	1.7014-01	5.8461-04	1.7014-01	5.8461-04	8.1939-04	1.3233-02	1.2521+04	1.4755-04	3.7770+00
74	454.67	8.8260-01	1.4457-01	4.8186-04	1.4457-01	4.8186-04	6.7537-04	1.0907-02	1.0320+04	1.2143-04	5.3230+00
77	452.46	1.5153+00	2.5155-01	8.3695-04	2.5155-01	8.3695-04	1.1731-03	1.8944-02	1.7925+04	2.1090-04	3.0090+00
78	472.14	2.3143+00	3.8472-01	1.3005-03	3.8472-01	1.3005-03	1.8227-03	2.9437-02	2.7852+04	3.2796-04	3.3930+00
79	487.44	1.9917+00	3.2846-01	1.1243-03	3.2846-01	1.1243-03	1.5758-03	2.5448-02	2.4079+04	2.8370-04	3.7770+00
80	443.06	4.6400+00	7.7433-01	2.5571-03	7.7433-01	2.5571-03	3.5840-03	5.7880-02	5.4766+04	6.4413-04	2.4660+00
81	459.65	2.3174+00	3.8658-01	1.2937-03	3.8658-01	1.2937-03	1.8132-03	2.9282-02	2.7706+04	3.2608-04	3.0090+00
82	475.56	2.6691+00	4.4604-01	1.5120-03	4.4604-01	1.5120-03	2.1192-03	3.4223-02	3.2381+04	3.8134-04	3.3930+00
83	489.58	2.2660+00	3.7876-01	1.2488-03	3.7876-01	1.2488-03	1.8204-03	2.9398-02	2.7816+04	3.2776-04	3.7770+00
337	500.70	1.2844+01	2.4350+00	8.4272-03	2.4350+00	8.4272-03	1.1811-02	1.9075-01	1.8048+05	2.1276-03	7.1680+00
339	484.79	5.1844+00	9.9359-01	3.3936-03	9.9359-01	3.3936-03	4.7565-03	7.6815-02	7.2681+04	8.5624-04	8.1130+00
340	477.90	1.5694+00	2.9315-01	9.9562-04	2.9315-01	9.9562-04	1.3935-03	2.2536-02	2.1323+04	2.5114-04	8.6180+00
342	501.96	9.4862+00	1.8576+00	6.4354-03	1.8576+00	6.4354-03	9.0198-03	1.4566-01	1.3783+05	1.6248-03	7.1680+00
344	476.74	4.5647+00	8.7474-01	2.9680-03	8.7474-01	2.9680-03	4.1599-03	6.7181-02	6.3566+04	7.4862-04	8.1130+00
347	487.60	5.0255+00	9.4474-01	3.2342-03	9.4474-01	3.2342-03	4.5331-03	7.3207-02	6.9267+04	8.1612-04	7.1680+00
349	479.78	3.0966+00	5.9306-01	2.0173-03	5.9306-01	2.0173-03	2.8274-03	4.5661-02	4.3204+04	5.0888-04	8.1130+00
350	475.34	7.4650-01	1.3141-01	4.4538-04	1.3141-01	4.4538-04	6.2424-04	1.0081-02	9.5386+03	1.1233-04	8.6180+00
352	474.43	9.0753-01	1.6508-01	5.5906-04	1.6508-01	5.5906-04	7.8357-04	1.2654-02	1.1973+04	1.4100-04	7.1680+00
354	489.52	1.9345+00	3.7190-01	1.2752-03	3.7190-01	1.2752-03	1.7873-03	2.8864-02	2.7311+04	3.2180-04	8.1130+00
357	483.14	2.1382+00	3.9010-01	1.3306-03	3.9010-01	1.3306-03	1.8649-03	3.0118-02	2.8497+04	3.3570-04	7.1680+00
359	495.59	1.3122+00	2.3673-01	8.1578-04	2.3673-01	8.1578-04	1.1434-03	1.8465-02	1.7471+04	2.0592-04	8.1130+00
401	464.57	1.1426+01	9.5342-01	3.2032-03	9.5342-01	3.2032-03	4.4895-03	7.2504-02	6.8602+04	8.0794-04	4.5500-01
403	456.43	3.3392+00	7.7381-01	9.1342-04	2.7381-01	9.1342-04	1.2809-03	2.0687-02	1.9573+04	2.3033-04	6.8600-01
404	459.07	5.1366+00	4.2448-01	1.4198-03	4.7448-01	1.4198-03	1.9900-03	3.2138-02	3.0408+04	3.5787-04	8.0100-01
405	463.17	1.0861+01	8.9465-01	3.0024-03	8.9465-01	3.0024-03	4.2081-03	6.7958-02	6.4301+04	7.5687-04	1.0510+00
406	467.96	1.8924+01	1.5732+00	5.3001-03	1.5732+00	5.3001-03	7.4286-03	1.1997-01	1.1351+05	1.3364-03	1.1670+00
407	471.24	2.4304+01	2.0614+00	6.9631-03	2.0614+00	6.9631-03	9.7594-03	1.5761-01	1.4913+05	1.7559-03	1.2830+00
408	461.30	6.3579+00	5.1680-01	1.7317-03	5.1680-01	1.7317-03	2.4272-03	3.9197-02	3.7088+04	4.3652-04	5.1300-01
409	451.27	2.9642+00	2.4365-01	8.0990-04	2.4365-01	8.0990-04	1.1352-03	1.8332-02	1.7346+04	2.0408-04	5.7000-01
410	459.14	5.4577+00	4.3492-01	1.4548-03	4.3492-01	1.4548-03	2.0391-03	3.2930-02	3.1158+04	3.6670-04	6.2800-01
411	452.69	2.6753+00	2.2013-01	7.3254-04	2.2013-01	7.3254-04	1.0267-03	1.6581-02	1.5689+04	1.8459-04	6.8600-01
412	467.41	6.2177+00	5.1364-01	1.7296-03	5.1364-01	1.7296-03	2.4242-03	3.9150-02	3.7043+04	4.3610-04	7.4400-01
413	451.98	2.8488+00	2.3568-01	7.8386-04	2.3568-01	7.8386-04	1.0986-03	1.7743-02	1.6788+04	1.9752-04	8.0100-01
414	461.79	8.8862+00	7.3131-01	2.4515-03	7.3131-01	2.4515-03	3.4360-03	5.5489-02	5.2503+04	6.1797-04	8.5900-01
415	451.98	2.9621+00	2.4360-01	8.1020-04	2.4360-01	8.1020-04	1.1356-03	1.8339-02	1.7352+04	2.0416-04	9.1700-01
416	462.57	5.9719+00	4.5934-01	1.5408-03	4.5934-01	1.5408-03	2.1595-03	3.4875-02	3.2998+04	3.8841-04	5.7000-01
417	468.15	1.5468+01	1.2784+00	4.3076-03	1.2784+00	4.3076-03	6.0374-03	9.7502-02	9.2255+04	1.0861-03	1.0520+00

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3 1 1.90 -10.10 .00 -.00 402 11 2.60 10.04 217.5 1645.0

8.04310+01 4.81820-03 3.40040-01 4.41247+03 5.02602-06 6.51491-08 2.85582-02 7.72000+00 6.69094-06 7.51689-02

1	464.83	1.3258+01	2.2391+00	7.5242-03	2.2391+00	7.5242-03	1.0545-02	1.7031-01	1.6116+05	1.8972-03	4.1100-01
2	468.08	1.4359+01	2.4304+00	8.1885-03	2.4304+00	8.1885-03	1.1476-02	1.8535-01	1.7539+05	2.0650-03	7.1100-01
3	448.08	1.2505+01	2.0881+00	6.9230-03	2.0881+00	6.9230-03	9.7026-03	1.5670-01	1.4829+05	1.7445-03	1.3070+00
4	457.47	3.1604+01	5.3108+00	1.7741-02	5.3108+00	1.7741-02	2.4864-02	4.0157-01	3.8001+05	4.4720-03	1.6410+00
5	445.34	2.2604+01	3.9434+00	1.3046-02	3.9434+00	1.3046-02	1.8284-02	2.9530-01	2.7944+05	3.2870-03	1.7720+00
6	441.67	4.6566+00	7.6278-01	2.5162-03	7.6278-01	2.5162-03	3.5264-03	5.6954-02	5.3896+04	6.3387-04	2.4660+00
7	459.64	2.4317+00	4.0206-01	1.3454-03	4.0206-01	1.3454-03	1.8856-03	3.0454-02	2.8819+04	3.3918-04	3.0090+00
8	476.90	3.1143+00	5.1624-01	1.7519-03	5.1624-01	1.7519-03	2.4552-03	3.9654-02	3.7524+04	4.4194-04	3.3930+00
9	491.54	3.1771+00	5.3174-01	1.8263-03	5.3174-01	1.8263-03	2.5595-03	4.1338-02	3.9119+04	4.6098-04	3.7770+00
10	495.97	3.4681+00	5.8384-01	2.0126-03	5.8384-01	2.0126-03	2.8207-03	4.5556-02	4.3109+04	5.0810-04	5.3230+00
14	454.11	1.2183+01	2.0426+00	6.8051-03	2.0426+00	6.8051-03	9.5372-03	1.5403-01	1.4576+05	1.7151-03	1.0880+00
15	466.87	2.7607+01	4.6688+00	1.5715-02	4.6688+00	1.5715-02	2.2024-02	3.5570-01	3.3660+05	3.9627-03	1.3070+00
16	455.07	2.2411+01	3.7599+00	1.2536-02	3.7599+00	1.2536-02	1.7569-02	2.8375-01	2.6851+05	3.1597-03	1.6410+00
19	458.95	6.3148+00	9.6595-01	3.2306-03	9.6595-01	3.2306-03	4.5277-03	7.3125-02	6.9199+04	8.1440-04	4.1100-01
20	455.52	2.1216+00	3.3939-01	1.1320-03	3.3939-01	1.1320-03	1.5864-03	2.5622-02	2.4246+04	2.8532-04	7.1100-01
21	448.05	6.4223+00	1.0378+00	3.4409-03	1.0378+00	3.4409-03	4.8224-03	7.7885-02	7.3703+04	8.6704-04	1.0880+00
22	446.69	1.3319+01	2.1633+00	7.1646-03	2.1633+00	7.1646-03	1.0041-02	1.6217-01	1.5346+05	1.8052-03	1.3070+00
23	452.03	2.2222+01	3.5682+00	1.1868-02	3.5682+00	1.1868-02	1.6633-02	2.6863-01	2.5420+05	2.9909-03	1.6410+00
24	453.81	1.0764+00	1.7568-01	5.8515-04	1.7568-01	5.8515-04	8.2008-04	1.3245-02	1.2534+04	1.4748-04	3.0090+00
25	468.36	6.4935-01	1.0446-01	3.5203-04	1.0446-01	3.5203-04	4.9337-04	7.9682-03	7.5403+03	8.8775-05	3.3930+00
26	480.58	3.5844-01	5.8489-02	1.9908-04	5.8489-02	1.9908-04	2.7901-04	4.5062-03	4.2642+03	5.0229-05	3.7770+00
27	455.19	1.9896+00	3.1821-01	1.0610-03	3.1821-01	1.0610-03	1.4870-03	2.4017-02	2.2727+04	2.6744-04	7.1100-01
28	445.63	4.3444+00	7.0088-01	2.3193-03	7.0088-01	2.3193-03	3.2505-03	5.2497-02	4.9678+04	5.8436-04	1.0880+00
29	443.09	1.0271+01	1.6790+00	5.5449-03	1.6790+00	5.5449-03	7.7711-03	1.2551-01	1.1877+05	1.3969-03	1.3070+00
30	447.05	1.9898+01	3.2715+00	1.0838-02	3.2715+00	1.0838-02	1.5189-02	2.4532-01	2.3215+05	2.7309-03	1.6410+00
31	443.73	1.5397+01	2.5632+00	8.4689-03	2.5632+00	8.4689-03	1.1869-02	1.9169-01	1.8140+05	2.1336-03	1.7720+00
32	451.62	3.9132+00	6.4541-01	2.1459-03	6.4541-01	2.1459-03	3.0075-03	4.8573-02	4.5965+04	5.4081-04	2.4660+00
33	465.11	3.3018+00	5.5120-01	1.8527-03	5.5120-01	1.8527-03	2.5965-03	4.1935-02	3.9683+04	4.6715-04	3.0090+00
34	478.42	1.7834+00	2.9592-01	1.0055-03	2.9592-01	1.0055-03	1.4091-03	2.2758-02	2.1536+04	2.5366-04	3.3930+00
35	487.51	1.2426+00	1.9870-01	6.8019-04	1.9870-01	6.8019-04	9.5328-04	1.5396-02	1.4569+04	1.7166-04	3.7770+00
36	441.24	7.4597+00	1.2035+00	3.9685-03	1.2035+00	3.9685-03	5.5618-03	8.9827-02	8.5004+04	9.9972-04	1.3070+00
37	452.03	5.8639+00	9.7888-01	3.2558-03	9.7888-01	3.2558-03	4.5629-03	7.3694-02	6.9737+04	8.2052-04	2.4660+00
38	471.71	2.5979+00	4.2917-01	1.4502-03	4.2917-01	1.4502-03	2.0325-03	3.2826-02	3.1064+04	3.6577-04	3.0090+00
39	484.80	1.3870+00	2.2973-01	7.8465-04	2.2973-01	7.8465-04	1.0997-03	1.7761-02	1.6807+04	1.9800-04	3.3930+00
40	492.74	8.0052-01	1.3207-01	4.5405-04	1.3207-01	4.5405-04	6.3635-04	1.0278-02	9.7257+03	1.1461-04	3.7770+00
41	496.62	8.0779-01	1.3075-01	4.5098-04	1.3075-01	4.5098-04	6.3204-04	1.0208-02	9.6597+03	1.1386-04	4.1620+00
43	481.10	4.6701-01	7.8796-02	2.6831-04	7.8796-02	2.6831-04	3.7604-04	6.0733-03	5.7472+03	6.7698-05	5.3230+00
47	454.29	5.0707+00	8.1794-01	2.7254-03	8.1794-01	2.7254-03	3.8196-03	6.1689-02	5.8377+04	6.8691-04	7.1100-01
48	445.63	5.8899+00	9.6169-01	3.1823-03	9.6169-01	3.1823-03	4.4600-03	7.2032-02	6.8164+04	8.0181-04	1.0880+00
49	438.74	8.2878+00	1.3548+00	4.4589-03	1.3548+00	4.4589-03	6.2490-03	1.0093-01	9.5507+04	1.1231-03	1.3070+00
50	443.03	1.6358+01	2.6979+00	8.9094-03	2.6979+00	8.9094-03	1.2486-02	2.0166-01	1.9083+05	2.2445-03	1.6410+00
51	441.81	1.3113+01	2.1801+00	7.1923-03	2.1801+00	7.1923-03	1.0080-02	1.6280-01	1.5406+05	1.8119-03	1.7720+00
52	447.34	1.3532+00	2.2584-01	7.4834-04	2.2584-01	7.4834-04	1.0488-03	1.6939-02	1.6029+04	1.8856-04	2.4660+00
53	471.32	2.4213+00	3.9989-01	1.3509-03	3.9989-01	1.3509-03	1.8932-03	3.0577-02	2.8935+04	3.4070-04	3.0090+00
54	492.02	1.7647+00	2.9189-01	1.0029-03	2.9189-01	1.0029-03	1.4056-03	2.2701-02	2.1482+04	2.5315-04	3.3930+00
55	500.22	2.0883+00	3.4092-01	1.1794-03	3.4092-01	1.1794-03	1.6529-03	2.6695-02	2.5262+04	2.9780-04	3.7770+00
56	449.80	9.5014-01	1.4583-01	4.8417-04	1.4583-01	4.8417-04	6.7856-04	1.0959-02	1.0371+04	1.2201-04	4.1100-01
57	462.64	1.2908+01	2.0812+00	6.9812-03	2.0812+00	6.9812-03	9.7841-03	1.5802-01	1.4953+05	1.7601-03	7.1100-01
58	448.99	1.1061+01	1.8102+00	6.0060-03	1.8102+00	6.0060-03	8.4174-03	1.3595-01	1.2865+05	1.5135-03	1.0880+00
59	440.72	1.0859+01	1.7723+00	5.8417-03	1.7723+00	5.8417-03	8.1871-03	1.3223-01	1.2513+05	1.4716-03	1.3070+00
60	440.01	1.2704+01	2.0786+00	6.8476-03	2.0786+00	6.8476-03	9.5968-03	1.5500-01	1.4667+05	1.7249-03	1.6410+00
61	472.07	9.3611-01	1.5421-01	5.2127-04	1.5421-01	5.2127-04	7.3056-04	1.1799-02	1.1165+04	1.3147-04	3.0090+00
62	491.73	1.0223+00	1.6907-01	5.8077-04	1.6907-01	5.8077-04	8.1395-04	1.3146-02	1.2440+04	1.4660-04	3.3930+00
63	500.70	8.9559-01	1.4625-01	5.0614-04	1.4625-01	5.0614-04	7.0935-04	1.1457-02	1.0841+04	1.2780-04	3.7770+00
64	448.59	1.1537+01	1.9270+00	6.3918-03	1.9270+00	6.3918-03	8.9581-03	1.4468-01	1.3691+05	1.6106-03	1.0880+00
65	448.81	1.8771+01	3.1359+00	1.0403-02	3.1359+00	1.0403-02	1.4580-02	2.3548-01	2.2283+05	2.6215-03	1.3070+00
66	436.61	1.2087+01	2.0022+00	6.5783-03	2.0022+00	6.5783-03	9.2194-03	1.4890-01	1.4090+05	1.6569-03	1.6410+00
69	451.30	2.2665+00	3.7928-01	1.2607-03	3.7928-01	1.2607-03	1.7669-03	2.8537-02	2.7005+04	3.1772-04	4.1100-01
70	444.96	5.4442-01	9.0707-02	3.0000-04	9.0707-02	3.0000-04	4.2045-04	6.7905-03	6.4258+03	7.5584-05	7.1100-01
71	433.64	1.6265+00	2.6809-01	8.7875-04	2.6809-01	8.7875-04	1.2316-03	1.9890-02	1.8822+04	2.2130-04	1.3070+00
72	433.64	1.7958+00	2.9687-01	9.7310-04	2.9687-01	9.7310-04	1.3638-03	2.2026-02	2.0843+04	2.4506-04	1.6410+00
73	492.35	1.0691+00	1.7687-01	6.0789-04	1.7687-01	6.0789-04	8.5195-04	1.3760-02	1.3021+04	1.5344-04	3.7770+00
74	454.88	8.5922-01	1.4076-01	4.6925-04	1.4076-01	4.6925-04	6.5765-04	1.0621-02	1.0051+04	1.1827-04	5.3230+00
77	452.88	1.7844+00	2.9631-01	9.8619-04	2.9631-01	9.8619-04	1.3821-03	2.2322-02	2.1124+04	2.4855-04	3.0090+00
78	472.72	2.2618+00	3.7614-01	1.2721-03	3.7614-01	1.2721-03	1.7828-03	2.8794-02	2.7248+04	3.2085-04	3.3930+00
79	487.92	1.9397+00	3.1999-01	1.0957-03	3.1999-01	1.0957-03	1.5357-03	2.4802-02	2.3470+04	2.7654-04	3.7770+00
80	444.23	4.7600+00	7.9500-01	2.6278-03	7.9500-01	2.6278-03	3.6828-03	5.9480-02	5.6286+04	6.6205-04	2.4660+00
81	460.21	2.2956+00	3.8309-01	1.2826-03	3.8309-01	1.2826-03	1.7975-03	2.9031-02	2.7472+04	3.2333-04	3.0090+00
82	476.22	2.6790+00	4.4788-01	1.5190-03	4.4788-01	1.5190-03	2.1289-03	3.4383-02	3.2537+04	3.8319-04	3.3930+00
83	490.14	2.2925+00	3.8333-01	1.3151-03	3.8333-01	1.3151-03	1.8430-03	2.9766-02	2.8168+04	3.3192-04	3.7770+00
337	503.90	1.2869+01	2.4449+00	8.4839-03	2.4449+00	8.4839-03	1.1890-02	1.9203-01	1.8172+05	2.1425-03	7.1680+00
339	486.07	5.1745+00	9.9253-01	3.3936-03	9.9253-01	3.3936-03	4.7560-03	7.6813-02	7.2688+04	8.5639-04	8.1130+00
340	478.30	1.5881+00	2.9672-01	1.0081-03	2.9672-01	1.0081-03	1.4128-03	2.2818-02	2.1593+04	2.5432-04	8.6180+00
342	504.30	9.4239+00	1.8481+00	6.4152-03	1.8481+00	6.4152-03	8.9909-03	1.4521-01	1.3741+05	1.6201-03	7.1680+00
344	477.87	4.5429+00	8.7121-01	2.9588-03	8.7121-01	2.9588-03	4.1467-03	6.6973-02	6.3376+04	7.4644-04	8.1130+00
347	488.85	4.9943+00	9.3965-01	3.2201-03	9.3965-01	3.2201-03	4.5130-03	7.2887-02	6.8974+04	8.1271-04	7.1680+00
349	480.53	3.1247+00	5.9873-01	2.0378-03	5.9873-01	2.0378-03	2.8560-03	4.6126-02	4.3649+04	5.1415-04	8.1130+00
350	475.53	7.7195-01	1.3591-01	4.6070-04	1.3591-01	4.6070-04	6.4566-04	1.0428-02	9.8680+03	1.1621-04	8.6180+00
352	474.66	8.7117-01	1.5849-01	5.3684-04	1.5849-01	5.3684-04	7.5238-04	1.2151-02	1.1499+04	1.3541-04	7.1680+00
354	490.02	1.9268+00	3.7052-01	1.2710-03	3.7052-01	1.2710-03	1.7813-03	2.8769-02	2.7224+04	3.2080-04	8.1130+00
357	483.68	2.1330+00	3.8929-01	1.3284-03	3.8929-01	1.3284-03	1.8618-03	3.0069-02	2.8454+04	3.3521-04	7.1680+00
359	495.91	1.2675+00	2.2871-01	7.8838-04	2.2871-01	7.8838-04	1.1049-03	1.7845-02	1.6887+04	1.9903-04	8.1130+00
401	467.34	1.0888+01	9.1016-01	3.0647-03	9.1016-01	3.0647-03	4.2951-03	6.9369-02	6.5645+04	7.7283-04	4.5500-01
403	457.27	3.3943+00	2.7849-01	9.3015-04	2.7849-01	9.3015-04	1.3036-03	2.1054-02	1.9923+04	2.3446-04	6.8600-01
404	460.36	5.3205+00	4.4006-01	1.4735-03	4.4006-01	1.4735-03	2.0650-03	3.3352-02	3.1561+04	3.7146-04	8.3100-01
405	465.90	1.0872+01	8.9719-01	3.0175-03	8.9719-01	3.0175-03	4.2290-03	6.8301-02	6.4634+04	7.6089-04	1.0510+00
406	472.57	1.8085+01	1.5081+00	5.0998-03	1.5081+00	5.0998-03	7.1474-03	1.1543-01	1.0924+05	1.2863-03	1.1670+00
407	477.14	2.3177+01	1.9732+00	6.6975-03	1.9732+00	6.6975-03	9.3865-03	1.5160-01	1.4346+05	1.6896-03	1.2830+00
408	462.87	6.4327+00	5.2344-01	1.7562-03	5.2344-01	1.7562-03	2.4613-03	3.9751-02	3.7617+04	4.4278-04	5.1300-01
409	451.97	2.9247+00	2.4053-01	7.9995-04	2.4053-01	7.9995-04	1.1211-03	1.8107-02	1.7135+04	2.0160-04	5.7000-01
410	460.48	5.3943+00	4.3026-01	1.4408-03	4.3026-01	1.4408-03	2.0193-03	3.2612-02	3.0861+04	3.6323-04	6.2800-01
411	453.39	2.9335+00	2.4149-01	8.0406-04	2.4149-01	8.0406-04	1.1269-03	1.8200-02	1.7223+04	2.0265-04	6.8600-01
412	468.95	6.0068+00	4.9672-01	1.6748-03	4.9672-01	1.6748-03	2.3472-03	3.7908-02	3.5873+04	4.2235-04	7.4400-01
413	452.63	2.7070+00	2.2405-01	7.4555-04	2.2405-01	7.4555-04	1.0449-03	1.6876-02	1.5969+04	1.8790-04	8.0100-01
414	463.95	8.6010+00	7.0887-01	2.3804-03	7.0887-01	2.3804-03	3.3361-03	5.3880-02	5.0987+04	6.0018-04	8.5900-01
415	452.71	3.1444+00	2.5873-01	8.6100-04	2.5873-01	8.6100-04	1.2067-03	1.9489-02	1.8442+04	2.1699-04	9.1700-01
416	464.06	6.0099+00	4.6272-01	1.5540-03	4.6272-01	1.5540-03	2.1779-03	3.5174-02	3.3285+04	3.9181-04	5.7000-01
417	471.88	1.4651+01	1.2140+00	4.1027-03	1.2140+00	4.1027-03	5.7500-03	9.2866-02	8.7879+04	1.0348-03	1.0520+00

3 1 1.90 -10.10 .00 -.00 402 11 3.10 10.04 217.5 1644.9

8.04219+01 4.81827-03 3.40045-01 4.41222+03 5.02665-06 6.51418-08 2.85634-02 7.72000+00 6.69008-06 7.51701-02

1	471.49	1.3281+01	2.2530+00	7.6106-03	2.2530+00	7.6106-03	1.0665-02	1.7226-01	1.6304+05	1.9201-03	4.1100-01
2	475.39	1.4987+01	2.5490+00	8.6378-03	2.5490+00	8.6378-03	1.2105-02	1.9552-01	1.8504+05	2.1796-03	7.1100-01
3	454.22	1.2496+01	2.0953+00	6.9801-03	2.0953+00	6.9801-03	9.7818-03	1.5799-01	1.4953+05	1.7598-03	1.3070+00
4	473.21	3.1121+01	5.2852+00	1.7879-02	5.2852+00	1.7879-02	2.5055-02	4.0468-01	3.8300+05	4.5109-03	1.6410+00
5	456.39	2.2086+01	3.8822+00	1.2955-02	3.8822+00	1.2955-02	1.8155-02	2.9324-01	2.7753+05	3.2665-03	1.7720+00
6	444.06	4.9101+00	8.0563-01	2.6622-03	8.0563-01	2.6622-03	3.7308-03	6.0258-02	5.7030+04	6.7091-04	2.4660+00
7	460.85	2.5148+00	4.1614-01	1.3937-03	4.1614-01	1.3937-03	1.9531-03	3.1546-02	2.9856+04	3.5146-04	3.0090+00
8	478.43	3.0442+00	5.0513-01	1.7160-03	5.0513-01	1.7160-03	2.4048-03	3.8842-02	3.6761+04	4.3306-04	3.3930+00
9	493.09	3.1252+00	5.2358-01	1.8003-03	5.2358-01	1.8003-03	2.5229-03	4.0749-02	3.8566+04	4.5458-04	3.7770+00
10	497.67	3.2888+00	5.5428-01	1.9131-03	5.5428-01	1.9131-03	2.6810-03	4.3303-02	4.0983+04	4.8316-04	5.3230+00
14	460.35	1.2555+01	2.1139+00	7.0768-03	2.1139+00	7.0768-03	9.9174-03	1.6018-01	1.5160+05	1.7846-03	1.0880+00
15	480.40	2.6659+01	4.5491+00	1.5479-02	4.5491+00	1.5479-02	2.1692-02	3.5037-01	3.3160+05	3.9066-03	1.3070+00
16	466.36	2.2610+01	3.8223+00	1.2858-02	3.8223+00	1.2858-02	1.8020-02	2.9105-01	2.7546+05	3.2434-03	1.6410+00
19	462.11	6.3891+00	9.7941-01	3.2835-03	9.7941-01	3.2835-03	4.6014-03	7.4321-02	7.0340+04	8.2808-04	4.1100-01
20	456.57	2.2333+00	3.5751-01	1.1932-03	3.5751-01	1.1932-03	1.6722-03	2.7009-02	2.5562+04	3.0086-04	7.1100-01
21	451.22	6.0057+00	9.7262-01	3.2324-03	9.7262-01	3.2324-03	4.5298-03	7.3164-02	6.9245+04	8.1483-04	1.0880+00
22	453.19	1.2953+01	2.1132+00	7.0339-03	2.1132+00	7.0339-03	9.8572-03	1.5921-01	1.5068+05	1.7733-03	1.3070+00
23	463.16	2.2431+01	3.6290+00	1.2177-02	3.6290+00	1.2177-02	1.7064-02	2.7562-01	2.6085+05	3.0710-03	1.6410+00
24	454.35	1.0784+00	1.7608-01	5.8665-04	1.7608-01	5.8665-04	8.2213-04	1.3279-02	1.2567+04	1.4791-04	3.0090+00
25	468.69	6.7948-01	1.0933-01	3.6848-04	1.0933-01	3.6848-04	5.1639-04	8.3406-03	7.8938+03	9.2954-05	3.3930+00
26	480.78	4.3377-01	7.0790-02	2.4095-04	7.0790-02	2.4095-04	3.3766-04	5.4539-03	5.1617+03	6.0811-05	3.7770+00
27	456.17	1.9470+00	3.1160-01	1.0397-03	3.1160-01	1.0397-03	1.4570-03	2.3533-02	2.2272+04	2.6214-04	7.1100-01
28	447.78	4.3413+00	7.0141-01	2.3246-03	7.0141-01	2.3246-03	3.2577-03	5.2618-02	4.9799+04	5.8593-04	1.0880+00
29	448.25	9.9964+00	1.6400+00	5.4374-03	1.6400+00	5.4374-03	7.6200-03	1.2308-01	1.1648+05	1.3705-03	1.3070+00
30	456.82	1.9686+01	3.2584+00	1.0877-02	3.2584+00	1.0877-02	1.5243-02	2.4621-01	2.3302+05	2.7426-03	1.6410+00
31	451.26	1.4799+01	2.4765+00	8.2305-03	2.4765+00	8.2305-03	1.1534-02	1.8630-01	1.7632+05	2.0748-03	1.7720+00
32	453.60	4.3444+00	7.1750-01	2.3890-03	7.1750-01	2.3890-03	3.3479-03	5.4075-02	5.1178+04	6.0230-04	2.4660+00
33	466.72	3.2987+00	5.5128-01	1.8550-03	5.5128-01	1.8550-03	2.5996-03	4.1989-02	3.9739+04	4.6792-04	3.0090+00
34	479.30	1.8597+00	3.0877-01	1.0497-03	3.0877-01	1.0497-03	1.4711-03	2.3760-02	2.2487+04	2.6491-04	3.3930+00
35	488.13	1.1912+00	1.9056-01	6.5253-04	1.9056-01	6.5253-04	9.1445-04	1.4770-02	1.3979+04	1.6474-04	3.7770+00
36	444.98	7.5268+00	1.2174+00	4.0258-03	1.2174+00	4.0258-03	5.6417-03	9.1123-02	8.6241+04	1.0146-03	1.3070+00
37	455.02	6.1070+00	1.0215+00	3.4053-03	1.0215+00	3.4053-03	4.7721-03	7.7078-02	7.2949+04	8.5855-04	2.4660+00
38	472.97	2.5460+00	4.2094-01	1.4237-03	4.2094-01	1.4237-03	1.9951-03	3.2225-02	3.0498+04	3.5920-04	3.0090+00
39	485.47	9.2986-01	1.5408-01	5.2647-04	1.5408-01	5.2647-04	7.3779-04	1.1917-02	1.1278+04	1.3290-04	3.3930+00
40	493.17	8.0883-01	1.3348-01	4.5898-04	1.3348-01	4.5898-04	6.4322-04	1.0389-02	9.8325+03	1.1590-04	3.7770+00
41	497.00	7.6676-01	1.2414-01	4.2824-04	1.2414-01	4.2824-04	6.0013-04	9.6932-03	9.1739+03	1.0815-04	4.1620+00
43	481.30	3.7039-01	6.2502-02	2.1283-04	6.2502-02	2.1283-04	2.9826-04	4.8174-03	4.5593+03	5.3715-05	5.3230+00
47	456.91	5.3075+00	8.5768-01	2.8634-03	8.5768-01	2.8634-03	4.0127-03	6.4812-02	6.1340+04	7.2198-04	7.1100-01
48	448.59	5.9735+00	9.7733-01	3.2412-03	9.7733-01	3.2412-03	4.5422-03	7.3365-02	6.9434+04	8.1698-04	1.0880+00
49	442.92	8.4566+00	1.3864+00	4.5773-03	1.3864+00	4.5773-03	6.4146-03	1.0361-01	9.8056+04	1.1535-03	1.3070+00
50	450.97	1.5565+01	2.5813+00	8.5766-03	2.5813+00	8.5766-03	1.2019-02	1.9413-01	1.8373+05	2.1620-03	1.6410+00
51	448.30	1.2610+01	2.1059+00	6.9823-03	2.1059+00	6.9823-03	9.7850-03	1.5805-01	1.4958+05	1.7600-03	1.7720+00
52	448.03	1.2779+00	2.1337-01	7.0729-04	2.1337-01	7.0729-04	9.9119-04	1.6010-02	1.5152+04	1.7828-04	2.4660+00
53	472.53	2.4099+00	3.9832-01	1.3467-03	3.9832-01	1.3467-03	1.8872-03	3.0482-02	2.8849+04	3.3976-04	3.0090+00
54	492.93	1.8182+00	3.0092-01	1.0345-03	3.0092-01	1.0345-03	1.4498-03	2.3417-02	2.2162+04	2.6123-04	3.3930+00
55	501.31	2.1569+00	3.5236-01	1.2199-03	3.5236-01	1.2199-03	1.7095-03	2.7612-02	2.6132+04	3.0813-04	3.7770+00
56	450.33	1.6172+00	2.4830-01	8.2459-04	2.4830-01	8.2459-04	1.1556-03	1.8665-02	1.7665+04	2.0786-04	4.1100-01
57	468.99	1.2585+01	2.0379+00	6.8702-03	2.0379+00	6.8702-03	9.6278-03	1.5551-01	1.4718+05	1.7331-03	7.1100-01
58	454.43	1.1122+01	1.8270+00	6.0873-03	1.8270+00	6.0873-03	8.5307-03	1.3779-01	1.3040+05	1.5347-03	1.0880+00
59	446.07	1.0631+01	1.7415+00	5.7638-03	1.7415+00	5.7638-03	8.0773-03	1.3046-01	1.2347+05	1.4527-03	1.3070+00
60	446.32	1.2528+01	2.0588+00	6.8154-03	2.0588+00	6.8154-03	9.5511-03	1.5427-01	1.4600+05	1.7177-03	1.6410+00
61	472.58	1.0691+00	1.7618-01	5.9568-04	1.7618-01	5.9568-04	8.3477-04	1.3483-02	1.2761+04	1.5029-04	3.0090+00
62	492.24	9.7662-01	1.6156-01	5.5513-04	1.6156-01	5.5513-04	7.7795-04	1.2565-02	1.1892+04	1.4017-04	3.3930+00
63	501.17	9.3091-01	1.5207-01	5.2638-04	1.5207-01	5.2638-04	7.3767-04	1.1915-02	1.1276+04	1.3296-04	3.7770+00
64	454.21	1.1243+01	1.8852+00	6.2801-03	1.8852+00	6.2801-03	8.8008-03	1.4215-01	1.3453+05	1.5833-03	1.0880+00
65	457.83	1.7948+01	3.0168+00	1.0079-02	3.0168+00	1.0079-02	1.4125-02	2.2814-01	2.1592+05	2.5415-03	1.3070+00
66	442.65	1.2063+01	2.0066+00	6.6234-03	2.0066+00	6.6234-03	9.2819-03	1.4992-01	1.4189+05	1.6691-03	1.6410+00
69	452.35	2.2998+00	3.8512-01	1.2810-03	3.8512-01	1.2810-03	1.7952-03	2.8996-02	2.7443+04	3.2295-04	4.1100-01
70	445.27	5.5584-01	9.2630-02	3.0639-04	9.2630-02	3.0639-04	4.2937-04	6.9350-03	6.5635+03	7.7218-05	7.1100-01
71	434.45	1.7101+00	2.8203-01	9.2491-04	2.8203-01	9.2491-04	1.2962-03	2.0935-02	1.9814+04	2.3300-04	1.3070+00
72	434.57	1.8327+00	3.0316-01	9.9430-04	3.0316-01	9.9430-04	1.3934-03	2.2506-02	2.1300+04	2.5049-04	1.6410+00
73	492.86	1.0182+00	1.6851-01	5.7928-04	1.6851-01	5.7928-04	8.1180-04	1.3112-02	1.2410+04	1.4627-04	3.7770+00
74	455.29	8.5299-01	1.3978-01	4.6606-04	1.3978-01	4.6606-04	6.5313-04	1.0549-02	9.9840+03	1.1751-04	5.3230+00
77	453.82	1.9278+00	3.2032-01	1.0667-03	3.2032-01	1.0667-03	1.4949-03	2.4146-02	2.2852+04	2.6894-04	3.0090+00
78	473.80	2.2088+00	3.6760-01	1.2441-03	3.6760-01	1.2441-03	1.7434-03	2.8160-02	2.6651+04	3.1390-04	3.3930+00
79	488.90	2.0395+00	3.3666-01	1.1536-03	3.3666-01	1.1536-03	1.6166-03	2.6111-02	2.4712+04	2.9124-04	3.7770+00
80	446.67	4.9974+00	8.3605-01	2.7684-03	8.3605-01	2.7684-03	3.8797-03	6.2663-02	5.9306+04	6.9776-04	2.4660+00
81	461.37	2.3553+00	3.9337-01	1.3180-03	3.9337-01	1.3180-03	1.8470-03	2.9832-02	2.8234+04	3.3238-04	3.0090+00
82	477.58	2.6935+00	4.5072-01	1.5301-03	4.5072-01	1.5301-03	2.1443-03	3.4634-02	3.2779+04	3.8612-04	3.3930+00
83	491.30	2.3179+00	3.8788-01	1.3317-03	3.8788-01	1.3317-03	1.8662-03	3.0143-02	2.8528+04	3.3624-04	3.7770+00
337	510.34	1.2713+01	2.4251+00	8.4593-03	2.4251+00	8.4593-03	1.1855-02	1.9148-01	1.8122+05	2.1375-03	7.1680+00
339	488.68	5.1907+00	9.9732-01	3.4167-03	9.9732-01	3.4167-03	4.7881-03	7.7337-02	7.3194+04	8.6259-04	8.1130+00
340	479.10	1.6764+00	3.1339-01	1.0652-03	3.1339-01	1.0652-03	1.4928-03	2.4111-02	2.2820+04	2.6883-04	8.6180+00
342	509.01	9.4000+00	1.8490+00	6.4424-03	1.8490+00	6.4424-03	9.0284-03	1.4582-01	1.3801+05	1.6278-03	7.1680+00
344	480.13	4.4816+00	8.6073-01	2.9281-03	8.6073-01	2.9281-03	4.1035-03	6.6278-02	6.2728+04	7.3899-04	8.1130+00
347	491.32	5.0244+00	9.4684-01	3.2509-03	9.4684-01	3.2509-03	4.5557-03	7.3583-02	6.9641+04	8.2081-04	7.1680+00
349	482.09	3.1330+00	6.0094-01	2.0476-03	6.0094-01	2.0476-03	2.8695-03	4.6348-02	4.3865+04	5.1682-04	8.1130+00
350	475.92	7.4858-01	1.3183-01	4.4693-04	1.3183-01	4.4693-04	6.2632-04	1.0116-02	9.5743+03	1.1278-04	8.6180+00
352	475.06	8.8001-01	1.6014-01	5.4252-04	1.6014-01	5.4252-04	7.6029-04	1.2280-02	1.1622+04	1.3689-04	7.1680+00
354	490.98	1.8364+00	3.5336-01	1.2129-03	3.5336-01	1.2129-03	1.6997-03	2.7454-02	2.5983+04	3.0624-04	8.1130+00
357	484.73	2.1242+00	3.8795-01	1.3248-03	3.8795-01	1.3248-03	1.8565-03	2.9986-02	2.8379+04	3.3440-04	7.1680+00
359	496.53	1.2301+00	2.2205-01	7.6569-04	2.2205-01	7.6569-04	1.0730-03	1.7331-02	1.6403+04	1.9337-04	8.1130+00
401	472.52	1.0023+01	8.4075-01	2.8425-03	8.4075-01	2.8425-03	3.9834-03	6.4339-02	6.0892+04	7.1715-04	4.5500-01
403	459.00	3.6010+00	2.9580-01	9.8918-04	2.9580-01	9.8918-04	1.3862-03	2.2390-02	2.1191+04	2.4944-04	6.8600-01
404	463.07	5.4348+00	4.5034-01	1.5109-03	4.5034-01	1.5109-03	2.1174-03	3.4200-02	3.2367+04	3.8106-04	8.0100-01
405	471.32	1.0829+01	8.9692-01	3.0294-03	8.9692-01	3.0294-03	4.2453-03	6.8570-02	6.4896+04	7.6428-04	1.0510+00
406	481.23	1.6759+01	1.4056+00	4.7859-03	1.4056+00	4.7859-03	6.7070-03	1.0833-01	1.0253+05	1.2079-03	1.1670+00
407	488.25	2.1469+01	1.8412+00	6.3056-03	1.8412+00	6.3056-03	8.8366-03	1.4273-01	1.3508+05	1.5919-03	1.2830+00
408	466.13	6.4992+00	5.3001-01	1.7826-03	5.3001-01	1.7826-03	2.4982-03	4.0350-02	3.8188+04	4.4964-04	5.1300-01
409	453.52	3.4255+00	2.8201-01	9.3893-04	2.8201-01	9.3893-04	1.3158-03	2.1253-02	2.0114+04	2.3671-04	5.7000-01
410	463.16	5.3932+00	4.3096-01	1.4460-03	4.3096-01	1.4460-03	2.0264-03	3.2731-02	3.0977+04	3.6469-04	6.2800-01
411	454.89	3.1148+00	2.5667-01	8.5552-04	2.5667-01	8.5552-04	1.1989-03	1.9365-02	1.8327+04	2.1570-04	6.8600-01
412	471.89	5.7486+00	4.7631-01	1.6095-03	4.7631-01	1.6095-03	2.2555-03	3.6431-02	3.4479+04	4.0607-04	7.4400-01
413	454.13	3.3610+00	2.7847-01	9.2760-04	2.7847-01	9.2760-04	1.2999-03	2.0996-02	1.9871+04	2.3386-04	8.0100-01
414	468.15	8.3029+00	6.8623-01	2.3118-03	6.8623-01	2.3118-03	3.2398-03	5.2328-02	4.9525+04	5.8317-04	8.5900-01
415	454.47	3.5792+00	2.9486-01	9.8245-04	2.9486-01	9.8245-04	1.3768-03	2.2238-02	2.1046+04	2.4770-04	9.1700-01
416	467.11	6.1574+00	4.7506-01	1.5991-03	4.7506-01	1.5991-03	2.2409-03	3.6195-02	3.4256+04	4.0336-04	5.7000-01
417	478.88	1.3496+01	1.1234+00	3.8178-03	1.1234+00	3.8178-03	5.3502-03	8.6415-02	8.1786+04	9.6347-04	1.0520+00

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7 1 1.92 -10.08 .00 -.00 402 11 1.95 10.04 209.0 1649.0

8.06743+01 4.63553-03 3.26986-01 4.41804+03 4.82088-06 6.53462-08 2.73444-02 7.72000+00 6.71406-06 7.51368-02

1	452.03	1.0516+01	1.7607+00	5.8338-03	1.7607+00	5.8338-03	8.5132-03	1.3504-01	1.2453+05	1.4710-03	4.1100-01
2	460.01	1.5611+01	2.6279+00	8.7630-03	2.6279+00	8.7630-03	1.2788-02	2.0285-01	1.8705+05	2.2103-03	7.1100-01
3	449.73	1.1831+01	1.9776+00	6.5406-03	1.9776+00	6.5406-03	9.5445-03	1.5140-01	1.3961+05	1.6491-03	1.3070+00
4	450.07	2.9181+01	4.8791+00	1.6141-02	4.8791+00	1.6141-02	2.3555-02	3.7364-01	3.4455+05	4.0697-03	1.6410+00
5	443.95	2.1128+01	3.6823+00	1.2123-02	3.6823+00	1.2123-02	1.7691-02	2.8062-01	2.5877+05	3.0558-03	1.7720+00
6	422.94	4.2395+00	6.8538-01	2.2196-03	6.8538-01	2.2196-03	3.2390-03	5.1379-02	4.7378+04	5.5903-04	2.4660+00
7	418.30	2.7075+00	4.3498-01	1.4036-03	4.3498-01	1.4036-03	2.0482-03	3.2491-02	2.9961+04	3.5346-04	3.0090+00
8	426.41	3.5699+00	5.7169-01	1.8564-03	5.7169-01	1.8564-03	2.7090-03	4.2972-02	3.9626+04	4.6762-04	3.3930+00
9	442.22	3.5756+00	5.7897-01	1.9035-03	5.7897-01	1.9035-03	2.7777-03	4.4062-02	4.0631+04	4.7978-04	3.7770+00
10	464.53	3.5745+00	5.8944-01	1.9727-03	5.8944-01	1.9727-03	2.8787-03	4.5663-02	4.2108+04	4.9766-04	5.3230+00
14	454.14	1.2632+01	2.1179+00	7.0291-03	2.1179+00	7.0291-03	1.0258-02	1.6271-01	1.5004+05	1.7726-03	1.0880+00
15	455.71	2.9083+01	4.8814+00	1.6222-02	4.8814+00	1.6222-02	2.3672-02	3.7550-01	3.4626+05	4.0909-03	1.3070+00
16	446.58	2.2378+01	3.7327+00	1.2314-02	3.7327+00	1.2314-02	1.7970-02	2.8505-01	2.6286+05	3.1044-03	1.6410+00
19	450.34	5.4483+00	8.2854-01	2.7416-03	8.2854-01	2.7416-03	4.0007-03	6.3462-02	5.8521+04	6.9125-04	4.1100-01
20	450.95	3.3428+00	5.3310-01	1.7648-03	5.3310-01	1.7648-03	2.5754-03	4.0852-02	3.7672+04	4.4499-04	7.1100-01
21	451.12	8.1828+00	1.3251+00	4.3874-03	1.3251+00	4.3874-03	6.4025-03	1.0156-01	9.3653+04	1.1063-03	1.0880+00
22	446.43	1.3950+01	2.2654+00	7.4728-03	2.2654+00	7.4728-03	1.0905-02	1.7298-01	1.5951+05	1.8839-03	1.3070+00
23	442.72	2.1404+01	3.4150+00	1.1232-02	3.4150+00	1.1232-02	1.6390-02	2.6000-01	2.3975+05	2.8311-03	1.6410+00
24	426.19	1.3065+00	2.0919-01	6.7917-04	2.0919-01	6.7917-04	9.9110-04	1.5722-02	1.4497+04	1.7108-04	3.0090+00
25	439.03	8.3013-01	1.3090-01	4.2927-04	1.3090-01	4.2927-04	6.2643-04	9.9368-03	9.1632+03	1.0819-04	3.3930+00
26	454.46	5.0909-01	8.1630-02	2.7100-04	8.1630-02	2.7100-04	3.9546-04	6.2730-03	5.7846+03	6.8339-05	3.7770+00
27	451.66	4.7023+00	7.5025-01	2.4851-03	7.5025-01	2.4851-03	3.6265-03	5.7526-02	5.3047+04	6.2663-04	7.1100-01
28	447.27	6.5828+00	1.0632+00	3.5095-03	1.0632+00	3.5095-03	5.1213-03	8.1238-02	7.4913+04	8.8477-04	1.0880+00
29	443.67	1.0221+01	1.6716+00	5.5022-03	1.6716+00	5.5022-03	8.0292-03	1.2736-01	1.1745+05	1.3869-03	1.3070+00
30	439.84	1.8975+01	3.1042+00	1.0186-02	3.1042+00	1.0186-02	1.4865-02	2.3580-01	2.1744+05	2.5673-03	1.6410+00
31	437.63	1.4694+01	2.4357+00	7.9790-03	2.4357+00	7.9790-03	1.1644-02	1.8470-01	1.7032+05	2.0108-03	1.7720+00
32	428.13	4.2192+00	6.8462-01	2.2261-03	6.8462-01	2.2261-03	3.2485-03	5.1530-02	4.7517+04	5.6079-04	2.4660+00
33	435.03	3.5496+00	5.8048-01	1.8977-03	5.8048-01	1.8977-03	2.7692-03	4.3927-02	4.0507+04	4.7818-04	3.0090+00
34	450.08	1.9558+00	3.1841-01	1.0534-03	3.1841-01	1.0534-03	1.5372-03	2.4384-02	2.2485+04	2.6559-04	3.3930+00
35	464.12	1.2800+00	2.0154-01	6.7425-04	2.0154-01	6.7425-04	9.8393-04	1.5608-02	1.4393+04	1.7010-04	3.7770+00
36	442.44	8.5740+00	1.3844+00	4.5522-03	1.3844+00	4.5522-03	6.6429-03	1.0537-01	9.7170+04	1.1474-03	1.3070+00
37	434.72	6.1429+00	1.0133+00	3.3117-03	1.0133+00	3.3117-03	4.8327-03	7.6659-02	7.0691+04	8.3449-04	2.4660+00
38	444.42	2.8369+00	4.6065-01	1.5151-03	4.6065-01	1.5151-03	2.2110-03	3.5073-02	3.2342+04	3.8194-04	3.0090+00
39	458.91	1.0218+00	1.6635-01	5.5422-04	1.6635-01	5.5422-04	8.0876-04	1.2829-02	1.1830+04	1.3979-04	3.3930+00
40	471.95	8.2390-01	1.3408-01	4.5143-04	1.3408-01	4.5143-04	6.5876-04	1.0450-02	9.6361+03	1.1392-04	3.7770+00
41	482.44	7.1428-01	1.1456-01	3.8899-04	1.1456-01	3.8899-04	5.6765-04	9.0044-03	8.3033+03	9.8204-05	4.1620+00
43	461.61	4.9974-01	8.3229-02	2.7789-04	8.3229-02	2.7789-04	4.0552-04	6.4326-03	5.9317+03	7.0097-05	5.3230+00
47	448.90	6.1247+00	9.8432-01	3.2533-03	9.8432-01	3.2533-03	4.7475-03	7.5308-02	6.9444+04	8.2023-04	7.1100-01
48	448.94	6.8691+00	1.1241+00	3.7155-03	1.1241+00	3.7155-03	5.4219-03	8.6007-02	7.9310+04	9.3676-04	1.0880+00
49	439.75	1.0024+01	1.6399+00	5.3808-03	1.6399+00	5.3808-03	7.8522-03	1.2456-01	1.1486+05	1.3561-03	1.3070+00
50	442.02	1.6147+01	2.6613+00	8.7481-03	2.6613+00	8.7481-03	1.2766-02	2.0250-01	1.8674+05	2.2050-03	1.6410+00
51	441.72	1.2869+01	2.1394+00	7.0308-03	2.1394+00	7.0308-03	1.0260-02	1.6275-01	1.5008+05	1.7721-03	1.7720+00
52	439.04	1.1745+00	1.9469-01	6.3915-04	1.9489-01	6.3915-04	9.3270-04	1.4795-02	1.3643+04	1.6108-04	2.4660+00
53	450.86	2.3413+00	3.8137-01	1.2624-03	3.8137-01	1.2624-03	1.8423-03	2.9223-02	2.6948+04	3.1831-04	3.0090+00
54	466.60	1.7527+00	2.8509-01	9.5570-04	2.8509-01	9.5570-04	1.3946-03	2.2123-02	2.0400+04	2.4112-04	3.3930+00
55	476.43	2.1865+00	3.5145-01	1.1876-03	3.5145-01	1.1876-03	1.7330-03	2.7490-02	2.5350+04	2.9974-04	3.7770+00
56	442.23	7.1584-01	1.0930-01	3.5935-04	1.0930-01	3.5935-04	5.2439-04	8.3182-03	7.6705+03	9.0575-05	4.1100-01
57	450.05	1.1852+01	1.8948+00	6.2682-03	1.8948+00	6.2682-03	9.1471-03	1.4510-01	1.3380+05	1.5804-03	7.1100-01
58	442.18	1.1283+01	1.8378+00	6.0420-03	1.8378+00	6.0420-03	8.8170-03	1.3986-01	1.2897+05	1.5229-03	1.0880+00
59	437.13	1.1413+01	1.8581+00	6.0843-03	1.8581+00	6.0843-03	8.8788-03	1.4084-01	1.2988+05	1.5333-03	1.3070+00
60	441.87	1.3029+01	2.1344+00	7.0154-03	2.1344+00	7.0154-03	1.0238-02	1.6239-01	1.4975+05	1.7683-03	1.6410+00
61	459.61	9.2468-01	1.5106-01	5.0357-04	1.5106-01	5.0357-04	7.3484-04	1.1657-02	1.0749+04	1.2701-04	3.0090+00
62	471.87	1.0384+00	1.6950-01	5.7065-04	1.6950-01	5.7065-04	8.3274-04	1.3210-02	1.2181+04	1.4400-04	3.3930+00
63	478.90	9.4286-01	1.5180-01	5.1397-04	1.5180-01	5.1397-04	7.5003-04	1.1898-02	1.0971+04	1.2974-04	3.7770+00
64	440.94	1.1246+01	1.8686+00	6.1371-03	1.8686+00	6.1371-03	8.9558-03	1.4206-01	1.3100+05	1.5468-03	1.0880+00
65	438.50	1.8663+01	3.0957+00	1.0148-02	3.0957+00	1.0148-02	1.4809-02	2.3490-01	2.1661+05	2.5575-03	1.3070+00
66	437.99	1.1024+01	1.8279+00	5.9895-03	1.8279+00	5.9895-03	8.7404-03	1.3865-01	1.2785+05	1.5094-03	1.6410+00
69	441.95	2.2062+00	3.6682-01	1.2057-03	3.6682-01	1.2057-03	1.7595-03	2.7911-02	2.5738+04	3.0391-04	4.1100-01
70	438.89	8.7428-01	1.4506-01	4.7565-04	1.4506-01	4.7565-04	6.9410-04	1.1010-02	1.0153+04	1.1987-04	7.1100-01
71	429.72	2.0997+00	3.4514-01	1.1236-03	3.4514-01	1.1236-03	1.6397-03	2.6010-02	2.3985+04	2.8308-04	1.3070+00
72	433.34	2.3543+00	3.8910-01	1.2703-03	3.8910-01	1.2703-03	1.8538-03	2.9406-02	2.7116+04	3.2008-04	1.6410+00
73	455.74	1.2540+00	2.0248-01	6.7289-04	2.0248-01	6.7289-04	9.8194-04	1.5576-02	1.4363+04	1.6970-04	3.7770+00
74	445.52	1.0275+00	1.6726-01	5.5134-04	1.6726-01	5.5134-04	8.0456-04	1.2762-02	1.1769+04	1.3899-04	5.3230+00
77	419.95	1.9065+00	3.0939-01	9.9961-04	3.0939-01	9.9961-04	1.4587-03	2.3139-02	2.1338+04	2.5174-04	3.0090+00
78	432.66	2.5896+00	4.1903-01	1.3673-03	4.1903-01	1.3673-03	1.9953-03	3.1651-02	2.9187+04	3.4452-04	3.3930+00
79	449.69	2.1797+00	3.5051-01	1.1592-03	3.5051-01	1.1592-03	1.6916-03	2.6833-02	2.4744+04	2.9227-04	3.7770+00
80	424.67	4.3309+00	7.1351-01	2.3137-03	7.1351-01	2.3137-03	3.3764-03	5.3559-02	4.9389+04	5.8279-04	2.4660+00
81	418.19	2.5584+00	4.1467-01	1.3379-03	4.1467-01	1.3379-03	1.9524-03	3.0971-02	2.8559+04	3.3692-04	3.0090+00
82	426.11	2.7366+00	4.4210-01	1.4352-03	4.4210-01	1.4352-03	2.0944-03	3.3223-02	3.0637+04	3.6154-04	3.3930+00
83	445.13	2.6707+00	4.3331-01	1.4279-03	4.3331-01	1.4279-03	2.0837-03	3.3053-02	3.0479+04	3.5994-04	3.7770+00
337	445.98	1.3929+01	2.5464+00	8.3968-03	2.5464+00	8.3968-03	1.2253-02	1.9437-01	1.7924+05	2.1168-03	7.1680+00
339	446.62	5.5112+00	1.0295+00	3.3964-03	1.0295+00	3.3964-03	4.9564-03	7.8621-02	7.2500+04	8.5624-04	8.1130+00
340	458.22	1.6665+00	3.0722-01	1.0230-03	3.0722-01	1.0230-03	1.4928-03	2.3680-02	2.1837+04	2.5801-04	8.6180+00
342	438.90	1.0476+01	1.9668+00	6.4493-03	1.9668+00	6.4493-03	9.4114-03	1.4929-01	1.3767+05	1.6254-03	7.1680+00
344	440.20	4.8125+00	8.9967-01	2.9531-03	8.9967-01	2.9531-03	4.3095-03	6.8360-02	6.3037+04	7.4430-04	8.1130+00
347	448.31	5.2597+00	9.6312-01	3.1817-03	9.6312-01	3.1817-03	4.6430-03	7.3651-02	6.7917+04	8.0217-04	7.1680+00
349	439.48	3.7657+00	7.0180-01	2.3023-03	7.0180-01	2.3023-03	3.3597-03	5.3295-02	4.9145+04	5.8025-04	8.1130+00
350	443.36	9.1948-01	1.5840-01	5.2123-04	1.5840-01	5.2123-04	7.6062-04	1.2066-02	1.1126+04	1.3139-04	8.6180+00
352	461.31	1.4841+00	2.6760-01	8.9326-04	2.6760-01	8.9326-04	1.3035-03	2.0677-02	1.9067+04	2.2532-04	7.1680+00
354	454.06	2.9158+00	5.4746-01	1.8169-03	5.4746-01	1.8169-03	2.6513-03	4.2057-02	3.8783+04	4.5817-04	8.1130+00
357	467.12	3.2899+00	5.9388-01	1.9917-03	5.9388-01	1.9917-03	2.9064-03	4.6103-02	4.2514+04	5.0251-04	7.1680+00
359	466.14	2.5060+00	4.4340-01	1.4858-03	4.4340-01	1.4858-03	2.1683-03	3.4395-02	3.1717+04	3.7487-04	8.1130+00
401	453.98	1.1805+01	9.7798-01	3.2455-03	9.7798-01	3.2455-03	4.7360-03	7.5126-02	6.9277+04	8.1842-04	4.5500-01
403	452.26	3.1460+00	2.5724-01	8.5247-04	2.5724-01	8.5247-04	1.2440-03	1.9733-02	1.8197+04	2.1496-04	6.8600-01
404	453.35	4.8696+00	4.0085-01	1.3296-03	4.0085-01	1.3296-03	1.9402-03	3.0777-02	2.8381+04	3.3527-04	8.0100-01
405	453.98	1.0181+01	8.3347-01	2.7659-03	8.3347-01	2.7659-03	4.0362-03	6.4025-02	5.9040+04	6.9748-04	1.0510+00
406	454.77	2.0583+01	1.6960+00	5.6316-03	1.6960+00	5.6316-03	8.2181-03	1.3036-01	1.2021+05	1.4202-03	1.1670+00
407	457.19	2.6317+01	2.2108+00	7.3556-03	2.2108+00	7.3556-03	1.0734-02	1.7027-01	1.5701+05	1.8551-03	1.2830+00
408	455.02	7.7517+00	6.2742-01	2.0838-03	6.2742-01	2.0838-03	3.0409-03	4.8237-02	4.4481+04	5.2551-04	5.1300-01
409	447.34	3.3974+00	2.7852-01	9.1940-04	2.7852-01	9.1940-04	1.3417-03	2.1282-02	1.9625+04	2.3179-04	5.7000-01
410	452.65	5.3948+00	4.2862-01	1.4189-03	4.2802-01	1.4189-03	2.0706-03	3.2845-02	3.0287+04	3.5779-04	6.2800-01
411	448.29	2.9855+00	2.4491-01	8.0906-04	2.4491-01	8.0906-04	1.1806-03	1.8728-02	1.7270+04	2.0398-04	6.8600-01
412	468.93	6.3875+00	5.2820-01	1.7740-03	5.2820-01	1.7740-03	2.5888-03	4.1065-02	3.7868+04	4.4762-04	7.4400-01
413	448.66	3.2488+00	2.6817-01	8.8616-04	2.6817-01	8.8616-04	1.2932-03	2.0513-02	1.8916+04	2.2342-04	8.0100-01
414	453.14	8.9631+00	7.3332-01	2.4319-03	7.3332-01	2.4319-03	3.5489-03	5.6294-02	5.1911+04	6.1324-04	8.5900-01
415	445.85	3.4073+00	2.7964-01	9.2003-04	2.7904-01	9.2003-04	1.3426-03	2.1297-02	1.9639+04	2.3193-04	9.1700-01
416	454.69	6.2228+00	4.7609-01	1.5808-03	4.7609-01	1.5808-03	2.3069-03	3.6593-02	3.3744+04	3.9865-04	5.7000-01
417	454.38	1.6484+01	1.3498+00	4.4808-03	1.3498+00	4.4808-03	6.5388-03	1.0372-01	9.5646+04	1.1300-03	1.0520+00

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8.06833+01 4.63546-03 3.26981-01 4.41828+03 4.82027-06 6.53535-08 2.73394-02 7.72000+00 6.71491-06 7.51356-02

1	455.09	1.2252+01	2.0556+00	6.8299-03	2.0556+00	6.8299-03	9.9674-03	1.5810-01	1.4577+05	1.7216-03	4.1100-01
2	463.39	1.3798+01	2.3280+00	7.7864-03	2.3280+00	7.7864-03	1.1363-02	1.8024-01	1.6619+05	1.9633-03	7.1100-01
3	452.30	1.1250+01	1.8838+00	6.2452-03	1.8838+00	6.2452-03	9.1142-03	1.4457-01	1.3329+05	1.5741-03	1.3070+00
4	457.67	3.0218+01	5.0786+00	1.6909-02	5.0786+00	1.6909-02	2.4676-02	3.9140-01	3.6088+05	4.2625-03	1.6410+00
5	449.42	2.1590+01	3.7770+00	1.2493-02	3.7770+00	1.2493-02	1.8232-02	2.8918-01	2.6663+05	3.1483-03	1.7720+00
6	424.01	4.3761+00	7.0801-01	2.2955-03	7.0801-01	2.2955-03	3.3500-03	5.3136-02	4.8992+04	5.7791-04	2.4660+00
7	418.99	2.7818+00	4.4713-01	1.4440-03	4.4713-01	1.4440-03	2.1074-03	3.3427-02	3.0820+04	3.6348-04	3.0090+00
8	427.34	3.6192+00	5.7997-01	1.8852-03	5.7997-01	1.8852-03	2.7513-03	4.3640-02	4.0237+04	4.7469-04	3.3930+00
9	443.14	3.5756+00	5.7933-01	1.9067-03	5.7933-01	1.9067-03	2.7825-03	4.4135-02	4.0694+04	4.8038-04	3.7770+00
10	465.47	3.6779+00	6.0687-01	2.0332-03	6.0687-01	2.0332-03	2.9672-03	4.7064-02	4.3394+04	5.1271-04	5.3230+00
14	456.95	1.1877+01	1.9952+00	6.6388-03	1.9952+00	6.6388-03	9.6886-03	1.5368-01	1.4169+05	1.6736-03	1.0880+00
15	463.00	2.8537+01	4.8134+00	1.6094-02	4.8134+00	1.6094-02	2.3488-02	3.7255-01	3.4350+05	4.0581-03	1.3070+00
16	451.90	2.1756+01	3.6422+00	1.2071-02	3.6422+00	1.2071-02	1.7616-02	2.7941-01	2.5762+05	3.0422-03	1.6410+00
19	451.86	5.8779+00	8.9480-01	2.9653-03	8.9480-01	2.9653-03	4.3275-03	6.8642-02	6.3289+04	7.4737-04	4.1100-01
20	451.46	2.0457+00	3.2635-01	1.0812-03	3.2635-01	1.0812-03	1.5778-03	2.5027-02	2.3075+04	2.7249-04	7.1100-01
21	452.37	5.8696+00	9.5133-01	3.1539-03	9.5133-01	3.1539-03	4.6028-03	7.3008-02	6.7315+04	7.9493-04	1.0880+00
22	449.44	1.2338+01	2.0078+00	6.6410-03	2.0078+00	6.6410-03	9.6917-03	1.5373-01	1.4174+05	1.6736-03	1.3070+00
23	448.05	2.1258+01	3.4041+00	1.1247-02	3.4041+00	1.1247-02	1.6414-02	2.6034-01	2.4004+05	2.8342-03	1.6410+00
24	426.48	1.1153+00	1.7862-01	5.8022-04	1.7862-01	5.8022-04	8.4676-04	1.3431-02	1.2384+04	1.4609-04	3.0090+00
25	439.19	6.8312-01	1.0773-01	3.5344-04	1.0773-01	3.5344-04	5.1581-04	8.1815-03	7.5435+03	8.9036-05	3.3930+00
26	454.54	3.7091-01	5.9477-02	1.9753-04	5.9477-02	1.9753-04	2.8827-04	4.5724-03	4.2158+03	4.9789-05	3.7770+00
27	451.95	1.9200+00	3.0640-01	1.0155-03	3.0640-01	1.0155-03	1.4820-03	2.3506-02	2.1673+04	2.5593-04	7.1100-01
28	448.11	4.2634+00	6.8898-01	2.2765-03	6.8898-01	2.2765-03	3.3223-03	5.2696-02	4.8587+04	5.7367-04	1.0880+00
29	446.06	9.8265+00	1.6097+00	5.3101-03	1.6097+00	5.3101-03	7.7494-03	1.2292-01	1.1333+05	1.3380-03	1.3070+00
30	444.63	1.9007+01	3.1199+00	1.0280-02	3.1199+00	1.0280-02	1.5002-02	2.3796-01	2.1941+05	2.5902-03	1.6410+00
31	441.44	1.5047+01	2.5009+00	8.2197-03	2.5009+00	8.2197-03	1.1996-02	1.9027-01	1.7543+05	2.0708-03	1.7720+00
32	429.14	4.1548+00	6.7465-01	2.1961-03	6.7465-01	2.1961-03	3.2049-03	5.0835-02	4.6871+04	5.5300-04	2.4660+00
33	435.95	3.6525+00	5.9768-01	1.9559-03	5.9768-01	1.9559-03	2.8545-03	4.5276-02	4.1746+04	4.9266-04	3.0090+00
34	450.57	1.9106+00	3.1116-01	1.0301-03	3.1116-01	1.0301-03	1.5033-03	2.3845-02	2.1986+04	2.5961-04	3.3930+00
35	464.43	1.2644+00	1.9912-01	6.6656-04	1.9912-01	6.6656-04	9.7277-04	1.5430-02	1.4226+04	1.6808-04	3.7770+00
36	444.21	7.5086+00	1.2138+00	3.9982-03	1.2138+00	3.9982-03	5.8350-03	9.2552-02	8.5335+04	1.0074-03	1.3070+00
37	436.25	6.2358+00	1.0297+00	3.3705-03	1.0297+00	3.3705-03	4.9189-03	7.8021-02	7.1937+04	8.4898-04	2.4660+00
38	445.14	2.8156+00	4.5683-01	1.5059-03	4.5683-01	1.5059-03	2.1976-03	3.4858-02	3.2140+04	3.7943-04	3.0090+00
39	459.16	1.0878+00	1.7712-01	5.9040-04	1.7712-01	5.9040-04	8.6163-04	1.3667-02	1.2601+04	1.4885-04	3.3930+00
40	472.15	7.9584-01	1.2953-01	4.3633-04	1.2953-01	4.3633-04	6.3677-04	1.0100-02	9.3126+03	1.1006-04	3.7770+00
41	482.59	6.9922-01	1.1215-01	3.8100-04	1.1215-01	3.8100-04	5.5602-04	8.8194-03	8.1316+03	9.6141-05	4.1620+00
43	461.68	4.2286-01	7.0429-02	2.3524-04	7.0429-02	2.3524-04	3.4330-04	5.4453-03	5.0207+03	5.9312-05	5.3230+00
47	449.98	4.7668+00	7.6666-01	2.5369-03	7.6666-01	2.5369-03	3.7023-03	5.8724-02	5.4145+04	6.3934-04	7.1100-01
48	450.25	5.5709+00	9.1250-01	3.0201-03	9.1250-01	3.0201-03	4.4076-03	6.9911-02	6.4459+04	7.6114-04	1.0880+00
49	441.49	7.6192+00	1.2479+00	4.1017-03	1.2479+00	4.1017-03	5.9859-03	9.4946-02	8.7542+04	1.0333-03	1.3070+00
50	445.86	1.5492+01	2.5601+00	8.4438-03	2.5601+00	8.4438-03	1.2323-02	1.9546-01	1.8022+05	2.1276-03	1.6410+00
51	444.88	1.2625+01	2.1034+00	6.9322-03	2.1034+00	6.9322-03	1.0117-02	1.6047-01	1.4796+05	1.7467-03	1.7720+00
52	439.32	1.1532+00	1.9140-01	6.2802-04	1.9140-01	6.2802-04	9.1652-04	1.4538-02	1.3404+04	1.5821-04	2.4660+00
53	451.43	2.1106+00	3.4393-01	1.1394-03	3.4393-01	1.1394-03	1.6628-03	2.6375-02	2.4318+04	2.8716-04	3.0090+00
54	467.00	1.7392+00	2.8297-01	9.4921-04	2.8297-01	9.4921-04	1.3853-03	2.1972-02	2.0259+04	2.3938-04	3.3930+00
55	476.96	2.1179+00	3.4055-01	1.1516-03	3.4055-01	1.1516-03	1.6806-03	2.6657-02	2.4579+04	2.9053-04	3.7770+00
56	442.42	1.0104+00	1.5429-01	5.0751-04	1.5429-01	5.0751-04	7.4065-04	1.1748-02	1.0832+04	1.2786-04	4.1100-01
57	452.82	1.1177+01	1.7902+00	5.9373-03	1.7902+00	5.9373-03	8.6648-03	1.3744-01	1.2672+05	1.4965-03	7.1100-01
58	444.78	1.0797+01	1.7620+00	5.8063-03	1.7620+00	5.8063-03	8.4737-03	1.3441-01	1.2393+05	1.4630-03	1.0880+00
59	439.75	1.0931+01	1.7828+00	5.8519-03	1.7828+00	5.8519-03	8.5402-03	1.3546-01	1.2490+05	1.4742-03	1.3070+00
60	444.85	1.2291+01	2.0177+00	6.6496-03	2.0177+00	6.6496-03	9.7044-03	1.5393-01	1.4192+05	1.6755-03	1.6410+00
61	459.84	8.7948-01	1.4370-01	4.7927-04	1.4370-01	4.7927-04	6.9944-04	1.1094-02	1.0229+04	1.2083-04	3.0090+00
62	472.12	1.1013+00	1.7980-01	6.0561-04	1.7980-01	6.0561-04	8.8382-04	1.4019-02	1.2926+04	1.5276-04	3.3930+00
63	479.12	9.7091-01	1.5634-01	5.2961-04	1.5634-01	5.2961-04	7.7290-04	1.2259-02	1.1304+04	1.3362-04	3.7770+00
64	443.90	1.1612+01	1.9334+00	6.3668-03	1.9334+00	6.3668-03	9.2916-03	1.4738-01	1.3589+05	1.6042-03	1.0880+00
65	443.46	1.8934+01	3.1514+00	1.0374-02	3.1514+00	1.0374-02	1.5140-02	2.4015-01	2.2142+05	2.6138-03	1.3070+00
66	440.76	1.1115+01	1.8465+00	6.0657-03	1.8465+00	6.0657-03	8.8521-03	1.4041-01	1.2946+05	1.5281-03	1.6410+00
69	442.50	2.3034+00	3.8312-01	1.2603-03	3.8312-01	1.2603-03	1.8392-03	2.9173-02	2.6898+04	3.1751-04	4.1100-01
70	438.98	5.4182-01	8.9901-02	2.9491-04	8.9901-02	2.9491-04	4.3038-04	6.8265-03	6.2942+03	7.4290-05	7.1100-01
71	430.08	1.6592+00	2.7280-01	8.8865-04	2.7280-01	8.8865-04	1.2969-03	2.0571-02	1.8966+04	2.2378-04	1.3070+00
72	433.68	1.6426+00	2.7154-01	8.8705-04	2.7154-01	8.8705-04	1.2945-03	2.0533-02	1.8932+04	2.2341-04	1.6410+00
73	456.04	1.2395+00	2.0018-01	6.6559-04	2.0018-01	6.6559-04	9.7136-04	1.5407-02	1.4206+04	1.6778-04	3.7770+00
74	445.69	7.9948-01	1.3015-01	4.2922-04	1.3015-01	4.2922-04	6.2640-04	9.9357-03	9.1609+03	1.0815-04	5.3230+00
77	420.44	1.8873+00	3.0638-01	9.9057-04	3.0638-01	9.9057-04	1.4456-03	2.2930-02	2.1142+04	2.4935-04	3.0090+00
78	433.29	2.4800+00	4.0147-01	1.3111-03	4.0147-01	1.3111-03	1.9134-03	3.0349-02	2.7983+04	3.3020-04	3.3930+00
79	450.22	2.1616+00	3.4771-01	1.1508-03	3.4771-01	1.1508-03	1.6795-03	2.6639-02	2.4562+04	2.9002-04	3.7770+00
80	425.76	4.5787+00	7.5491-01	2.4509-03	7.5491-01	2.4509-03	3.5768-03	5.6733-02	5.2309+04	6.1709-04	2.4660+00
81	418.81	2.5262+00	4.0963-01	1.3227-03	4.0963-01	1.3227-03	1.9304-03	3.0619-02	2.8231+04	3.3295-04	3.0090+00
82	426.74	2.6899+00	4.3474-01	1.4125-03	4.3474-01	1.4125-03	2.0614-03	3.2697-02	3.0147+04	3.5565-04	3.3930+00
83	445.80	2.6655+00	4.3266-01	1.4270-03	4.3266-01	1.4270-03	2.0825-03	3.3031-02	3.0456+04	3.5956-04	3.7770+00
337	449.38	1.3522+01	2.4779+00	8.1954-03	2.4779+00	8.1954-03	1.1960-02	1.8971-01	1.7492+05	2.0653-03	7.1680+00
339	448.00	5.5719+00	1.0418+00	3.4420-03	1.0418+00	3.4420-03	5.0233-03	7.9677-02	7.3464+04	8.6739-04	8.1130+00
340	458.64	1.6223+00	2.9917-01	9.9681-04	2.9917-01	9.9681-04	1.4547-03	2.3074-02	2.1275+04	2.5130-04	8.6180+00
342	441.46	1.0184+01	1.9155+00	6.2957-03	1.9155+00	6.2957-03	9.1879-03	1.4573-01	1.3437+05	1.5861-03	7.1680+00
344	441.38	4.7216+00	8.8340-01	2.9033-03	8.8340-01	2.9033-03	4.2371-03	6.7207-02	6.1966+04	7.3145-04	8.1130+00
347	449.59	5.1216+00	9.3864-01	3.1050-03	9.3864-01	3.1050-03	4.5314-03	7.1876-02	6.6271+04	7.8251-04	7.1680+00
349	440.26	3.3122+00	6.1762-01	2.0281-03	6.1762-01	2.0281-03	2.9597-03	4.6946-02	4.3285+04	5.1091-04	8.1130+00
350	443.55	8.0831-01	1.3926-01	4.5849-04	1.3926-01	4.5849-04	6.6911-04	1.0613-02	9.7855+03	1.1552-04	8.6180+00
352	461.51	9.0961-01	1.6403-01	5.4780-04	1.6403-01	5.4780-04	7.9946-04	1.2681-02	1.1692+04	1.3812-04	7.1680+00
354	454.57	2.2229+00	4.1750-01	1.3866-03	4.1750-01	1.3866-03	2.0235-03	3.2096-02	2.9593+04	3.4950-04	8.1130+00
357	467.63	2.2566+00	4.0750-01	1.3676-03	4.0750-01	1.3676-03	1.9959-03	3.1658-02	2.9189+04	3.4490-04	7.1680+00
359	466.46	1.3813+00	2.4446-01	8.1966-04	2.4446-01	8.1966-04	1.1962-03	1.8974-02	1.7494+04	2.0670-04	8.1130+00
401	456.93	1.1405+01	9.4674-01	3.1502-03	9.4674-01	3.1502-03	4.5974-03	7.2921-02	6.7235+04	7.9412-04	4.5500-01
403	452.87	2.9153+00	2.3848-01	7.9093-04	2.3848-01	7.9093-04	1.1543-03	1.8309-02	1.6881+04	1.9935-04	6.8600-01
404	454.55	4.9070+00	4.0426-01	1.3426-03	4.0426-01	1.3426-03	1.9594-03	3.1078-02	2.8655+04	3.3842-04	8.0100-01
405	456.61	1.0614+01	8.7040-01	2.8954-03	8.7040-01	2.8954-03	4.2256-03	6.7024-02	6.1798+04	7.2989-04	1.0510+00
406	459.43	1.9051+01	1.5747+00	5.2502-03	1.5747+00	5.2502-03	7.6621-03	1.2153-01	1.1206+05	1.3236-03	1.1670+00
407	463.28	2.4686+01	2.0823+00	6.9641-03	2.0823+00	6.9641-03	1.0163-02	1.6121-01	1.4863+05	1.7560-03	1.2830+00
408	456.40	6.1481+00	4.9809-01	1.6566-03	4.9809-01	1.6566-03	2.4177-03	3.8348-02	3.5358+04	4.1761-04	5.1300-01
409	448.04	3.0873+00	2.5321-01	8.3660-04	2.5321-01	8.3660-04	1.2209-03	1.9366-02	1.7856+04	2.1082-04	5.7000-01
410	453.83	5.1408+00	4.0820-01	1.3549-03	4.0820-01	1.3549-03	1.9773-03	3.1363-02	2.8917+04	3.4150-04	6.2800-01
411	448.98	2.8810+00	2.3645-01	7.8181-04	2.3645-01	7.8181-04	1.1410-03	1.8097-02	1.6686+04	1.9702-04	6.8600-01
412	470.47	6.0088+00	4.9740-01	1.6732-03	4.9740-01	1.6732-03	2.4418-03	3.8731-02	3.5711+04	4.2201-04	7.4400-01
413	449.33	3.1008+00	2.5606-01	8.4688-04	2.5606-01	8.4688-04	1.2359-03	1.9604-02	1.8075+04	2.1342-04	8.0100-01
414	455.33	8.7725+00	7.1880-01	2.3887-03	7.1880-01	2.3887-03	3.4860-03	5.5293-02	5.0982+04	6.0211-04	8.5900-01
415	446.59	3.1616+00	2.5905-01	8.5490-04	2.5905-01	8.5490-04	1.2476-03	1.9789-02	1.8246+04	2.1542-04	9.1700-01
416	455.94	5.6125+00	4.2976-01	1.4288-03	4.2976-01	1.4288-03	2.0852-03	3.3075-02	3.0496+04	3.6018-04	5.7000-01
417	458.42	1.5919+01	1.3072+00	4.3546-03	1.3072+00	4.3546-03	6.3551-03	1.0080-01	9.2941+04	1.0978-03	1.0520+00

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8.06743+01 4.63553-03 3.26986-01 4.41804+03 4.82088-06 6.53462-08 2.73444-02 7.72000+00 6.71406-06 7.51368-02

1	458.30	1.2783+01	2.1494+00	7.1586-03	2.1454+00	7.1586-03	1.0446-02	1.6571-01	1.5281+05	1.8052-03	4.1100-01
2	466.75	1.3742+01	2.3238+00	7.7923-03	2.3238+00	7.7923-03	1.1371-02	1.8038-01	1.6633+05	1.9657-03	7.1100-01
3	455.19	1.1659+01	1.9563+00	6.4992-03	1.9563+00	6.4992-03	9.4841-03	1.5044-01	1.3873+05	1.6387-03	1.3070+00
4	465.27	3.0429+01	5.1404+00	1.7216-02	5.1404+00	1.7216-02	2.5123-02	3.9853-01	3.6750+05	4.3427-03	1.6410+00
5	454.77	2.1519+01	3.7785+00	1.2549-02	3.7785+00	1.2549-02	1.8312-02	2.9048-01	2.6786+05	3.1641-03	1.7720+00
6	425.13	4.5839+00	7.4222-01	2.4081-03	7.4222-01	2.4081-03	3.5141-03	5.5743-02	5.1403+04	6.0647-04	2.4660+00
7	419.68	2.7387+00	4.4042-01	1.4229-03	4.4042-01	1.4229-03	2.0764-03	3.2938-02	3.0373+04	3.5828-04	3.0090+00
8	428.25	3.5252+00	5.6526-01	1.8384-03	5.6526-01	1.8384-03	2.6828-03	4.2556-02	3.9243+04	4.6306-04	3.3930+00
9	444.03	3.5527+00	5.7598-01	1.8967-03	5.7598-01	1.8967-03	2.7678-03	4.3904-02	4.0486+04	4.7803-04	3.7770+00
10	466.40	3.7117+00	6.1282-01	2.0543-03	6.1282-01	2.0543-03	2.9979-03	4.7554-02	4.3852+04	5.1822-04	5.3230+00
14	460.04	1.2089+01	2.0350+00	6.7871-03	2.0350+00	6.7871-03	9.9043-03	1.5711-01	1.4488+05	1.7117-03	1.0880+00
15	469.95	2.7765+01	4.7052+00	1.5818-02	4.7052+00	1.5818-02	2.3083-02	3.6616-01	3.3765+05	3.9908-03	1.3070+00
16	457.34	2.1815+01	3.6655+00	1.2199-02	3.6655+00	1.2199-02	1.7801-02	2.8238-01	2.6039+05	3.0761-03	1.6410+00
19	453.27	5.9637+00	9.0872-01	3.0144-03	9.0872-01	3.0144-03	4.3989-03	6.9778-02	6.4345+04	7.6001-04	4.1100-01
20	451.88	1.8073+00	2.8840-01	9.5560-04	2.8840-01	9.5560-04	1.3945-03	2.2120-02	2.0398+04	2.4092-04	7.1100-01
21	453.78	5.9325+00	9.6244-01	3.1939-03	9.6244-01	3.1939-03	4.6608-03	7.3933-02	6.8176+04	8.0528-04	1.0880+00
22	452.46	1.2332+01	2.0109+00	6.6663-03	2.0109+00	6.6663-03	9.7280-03	1.5431-01	1.4230+05	1.6807-03	1.3070+00
23	453.33	2.1235+01	3.4127+00	1.1321-02	3.4127+00	1.1321-02	1.6521-02	2.6206-01	2.4166+05	2.8544-03	1.6410+00
24	426.74	1.0992+00	1.7607-01	5.7198-04	1.7607-01	5.7198-04	8.3468-04	1.3240-02	1.2209+04	1.4406-04	3.0090+00
25	439.36	6.7273-01	1.0610-01	3.4810-04	1.0610-01	3.4810-04	5.0798-04	8.0579-03	7.4305+03	8.7717-05	3.3930+00
26	454.63	4.1715-01	6.6896-02	2.2214-04	6.6896-02	2.2214-04	3.2417-04	5.1422-03	4.7419+03	5.6011-05	3.7770+00
27	452.32	1.7875+00	2.8533-01	9.4578-04	2.8533-01	9.4578-04	1.3802-03	2.1893-02	2.0188+04	2.3845-04	7.1100-01
28	449.17	4.3143+00	6.9771-01	2.3069-03	6.9771-01	2.3069-03	3.3664-03	5.3400-02	4.9243+04	5.8153-04	1.0880+00
29	448.56	9.6623+00	1.5855+00	5.2399-03	1.5855+00	5.2399-03	7.6464-03	1.2129-01	1.1185+05	1.3209-03	1.3070+00
30	449.40	1.8949+01	3.1204+00	1.0319-02	3.1204+00	1.0319-02	1.5059-02	2.3887-01	2.2027+05	2.6014-03	1.6410+00
31	445.21	1.4850+01	2.4746+00	8.1563-03	2.4746+00	8.1563-03	1.1902-02	1.8880-01	1.7410+05	2.0558-03	1.7720+00
32	430.20	4.2779+00	6.9516-01	2.2644-03	6.9516-01	2.2644-03	3.3043-03	5.2416-02	4.8334+04	5.7039-04	2.4660+00
33	436.84	3.6068+00	5.9057-01	1.9337-03	5.9057-01	1.9337-03	2.8218-03	4.4762-02	4.1277+04	4.8723-04	3.0090+00
34	451.04	1.8977+00	3.0914-01	1.0237-03	3.0914-01	1.0237-03	1.4938-03	2.3696-02	2.1851+04	2.5807-04	3.3930+00
35	464.76	1.3112+00	2.0653-01	6.9144-04	2.0653-01	6.9144-04	1.0090-03	1.6005-02	1.4759+04	1.7441-04	3.7770+00
36	446.06	7.3501+00	1.1897+00	3.9239-03	1.1897+00	3.9239-03	5.7261-03	9.0832-02	8.3760+04	9.8905-04	1.3070+00
37	437.83	6.3288+00	1.0462+00	3.4283-03	1.0462+00	3.4283-03	5.0028-03	7.9358-02	7.3179+04	8.6384-04	2.4660+00
38	445.85	2.7719+00	4.4996-01	1.4838-03	4.4996-01	1.4838-03	2.1653-03	3.4348-02	3.1674+04	3.7400-04	3.0090+00
39	459.36	1.1288+00	1.8383-01	6.1278-04	1.8383-01	6.1278-04	8.9421-04	1.4185-02	1.3080+04	1.5453-04	3.3930+00
40	472.35	8.0779-01	1.3150-01	4.4294-04	1.3150-01	4.4294-04	6.4637-04	1.0253-02	9.4548+03	1.1176-04	3.7770+00
41	482.78	7.1169-01	1.1416-01	3.8783-04	1.1416-01	3.8783-04	5.6596-04	8.9776-03	8.2786+03	9.7897-05	4.1620+00
43	461.79	4.6650-01	7.7703-02	2.5952-04	7.7703-02	2.5952-04	3.7871-04	6.0073-03	5.5396+03	6.5453-05	5.3230+00
47	451.14	4.5309+00	7.2930-01	2.4151-03	7.2930-01	2.4151-03	3.5244-03	5.5906-02	5.1553+04	6.0887-04	7.1100-01
48	451.59	5.3610+00	8.7893-01	2.9116-03	8.7893-01	2.9116-03	4.2489-03	6.7399-02	6.2152+04	7.3405-04	1.0880+00
49	443.38	7.6784+00	1.2592+00	4.1445-03	1.2592+00	4.1445-03	6.0479-03	9.5937-02	8.8467+04	1.0445-03	1.3070+00
50	449.72	1.5204+01	2.5192+00	8.3330-03	2.5192+00	8.3330-03	1.2160-02	1.9289-01	1.7788+05	2.1007-03	1.6410+00
51	448.02	1.2224+01	2.0410+00	6.7420-03	2.0410+00	6.7420-03	9.8384-03	1.5606-01	1.4391+05	1.6995-03	1.7720+00
52	439.60	1.1558+00	1.9187-01	6.2960-04	1.9187-01	6.2960-04	9.1876-04	1.4574-02	1.3439+04	1.5865-04	2.4660+00
53	451.92	2.0483+00	3.3389-01	1.1064-03	3.3389-01	1.1064-03	1.6145-03	2.5610-02	2.3616+04	2.7893-04	3.0090+00
54	467.46	1.7590+00	2.8627-01	9.6047-04	2.8627-01	9.6047-04	1.4016-03	2.2233-02	2.0502+04	2.4230-04	3.3930+00
55	477.50	2.2114+00	3.5571-01	1.2032-03	3.5571-01	1.2032-03	1.7558-03	2.7852-02	2.5684+04	3.0365-04	3.7770+00
56	442.69	1.1049+00	1.6876-01	5.5513-04	1.6876-01	5.5513-04	8.1009-04	1.2850-02	1.1850+04	1.3990-04	4.1100-01
57	455.60	1.1181+01	1.7943+00	5.9630-03	1.7943+00	5.9630-03	8.7016-03	1.3803-01	1.2728+05	1.5036-03	7.1100-01
58	447.53	1.0810+01	1.7674+00	5.8361-03	1.7674+00	5.8361-03	8.5166-03	1.3510-01	1.2458+05	1.4711-03	1.0880+00
59	442.49	1.0866+01	1.7757+00	5.8401-03	1.7757+00	5.8401-03	8.5224-03	1.3519-01	1.2466+05	1.4718-03	1.3070+00
60	447.93	1.2039+01	1.9806+00	6.5421-03	1.9806+00	6.5421-03	9.5467-03	1.5144-01	1.3965+05	1.6491-03	1.6410+00
61	460.04	8.0831-01	1.3209-01	4.4055-04	1.3209-01	4.4055-04	6.4288-04	1.0198-02	9.4038+03	1.1110-04	3.0090+00
62	472.41	1.1491+00	1.8763-01	6.3206-04	1.8763-01	6.3206-04	9.2236-04	1.4631-02	1.3492+04	1.5948-04	3.3930+00
63	479.36	9.9429-01	1.6013-01	5.4247-04	1.6013-01	5.4247-04	7.9162-04	1.2557-02	1.1579+04	1.3691-04	3.7770+00
64	446.80	1.1492+01	1.9172+00	6.3271-03	1.9172+00	6.3271-03	9.2330-03	1.4646-01	1.3506+05	1.5948-03	1.0880+00
65	448.11	1.8073+01	3.0178+00	9.9695-03	3.0178+00	9.9695-03	1.4548-02	2.3077-01	2.1281+05	2.5131-03	1.3070+00
66	443.53	1.1081+01	1.8444+00	6.0712-03	1.8444+00	6.0712-03	8.8596-03	1.4054-01	1.2959+05	1.5301-03	1.6410+00
69	443.10	2.4535+00	4.0826-01	1.3434-03	4.0826-01	1.3434-03	1.9604-03	3.1097-02	2.8676+04	3.3857-04	4.1100-01
70	439.09	5.5793-01	9.2581-02	3.0368-04	9.2581-02	3.0368-04	4.4315-04	7.0296-03	6.4823+03	7.6523-05	7.1100-01
71	430.50	1.6049+00	2.6476-01	8.6261-04	2.6476-01	8.6261-04	1.2588-03	1.9968-02	1.8413+04	2.1729-04	1.3070+00
72	434.07	1.6379+00	2.7084-01	8.8489-04	2.7084-01	8.8489-04	1.2913-03	2.0484-02	1.8889+04	2.2294-04	1.6410+00
73	456.35	1.2551+00	2.0274-01	6.7416-04	2.0274-01	6.7416-04	9.8380-04	1.5606-02	1.4391+04	1.7000-04	3.7770+00
74	445.92	8.8831-01	1.4464-01	4.7699-04	1.4464-01	4.7699-04	6.9607-04	1.1042-02	1.0182+04	1.2023-04	5.3230+00
77	420.93	1.9210+00	3.1196-01	1.0089-03	3.1196-01	1.0089-03	1.4722-03	2.3353-02	2.1535+04	2.5404-04	3.0090+00
78	433.91	2.4639+00	3.9904-01	1.3036-03	3.9904-01	1.3036-03	1.9023-03	3.0175-02	2.7826+04	3.2842-04	3.3930+00
79	450.76	2.1678+00	3.4884-01	1.1549-03	3.4884-01	1.1549-03	1.6853-03	2.6733-02	2.4651+04	2.9114-04	3.7770+00
80	426.94	4.7486+00	7.8357-01	2.5459-03	7.8357-01	2.5459-03	3.7151-03	5.8932-02	5.4343+04	6.4122-04	2.4660+00
81	419.45	2.5958+00	4.2111-01	1.3602-03	4.2111-01	1.3602-03	1.9850-03	3.1487-02	2.9036+04	3.4250-04	3.0090+00
82	427.44	2.8577+00	4.6209-01	1.5019-03	4.6209-01	1.5019-03	2.1918-03	3.4767-02	3.2060+04	3.7830-04	3.3930+00
83	446.48	2.7013+00	4.3869-01	1.4474-03	4.3869-01	1.4474-03	2.1121-03	3.3504-02	3.0895+04	3.6482-04	3.7770+00
337	452.70	1.3412+01	2.4634+00	8.1677-03	2.4634+00	8.1677-03	1.1919-02	1.8907-01	1.7435+05	2.0592-03	7.1680+00
339	449.38	5.5273+00	1.0345+00	3.4209-03	1.0345+00	3.4209-03	4.9920-03	7.9187-02	7.3022+04	8.6236-04	8.1130+00
340	459.01	1.5730+00	2.9014-01	9.6688-04	2.9014-01	9.6688-04	1.4109-03	2.2381-02	2.0639+04	2.4383-04	8.6180+00
342	443.98	1.0212+01	1.9241+00	6.3357-03	1.9241+00	6.3357-03	9.2456-03	1.4666-01	1.3524+05	1.5968-03	7.1680+00
344	442.56	4.7164+00	8.8315-01	2.9048-03	8.8315-01	2.9048-03	4.2389-03	6.7240-02	6.2005+04	7.3206-04	8.1130+00
347	450.86	4.8914+00	8.9724-01	2.9706-03	8.9724-01	2.9706-03	4.3349-03	6.8764-02	6.3410+04	7.4889-04	7.1680+00
349	441.09	3.2826+00	6.1245-01	2.0121-03	6.1245-01	2.0121-03	2.9362-03	4.6576-02	4.2949+04	5.0705-04	8.1130+00
350	443.74	7.9740-01	1.3740-01	4.5236-04	1.3740-01	4.5236-04	6.6012-04	1.0471-02	9.6560+03	1.1401-04	8.6180+00
352	461.75	9.0181-01	1.6265-01	5.4321-04	1.6265-01	5.4321-04	7.9270-04	1.2574-02	1.1595+04	1.3700-04	7.1680+00
354	455.09	2.1704+00	4.0779-01	1.3547-03	4.0779-01	1.3547-03	1.9768-03	3.1358-02	2.8917+04	3.4157-04	8.1130+00
357	468.16	2.1735+00	3.9263-01	1.3181-03	3.9263-01	1.3181-03	1.9234-03	3.0511-02	2.8135+04	3.3252-04	7.1680+00
359	466.75	1.2281+00	2.1738-01	7.2892-04	2.1738-01	7.2892-04	1.0637-03	1.6873-02	1.5559+04	1.8388-04	8.1130+00
401	459.71	1.0636+01	8.8454-01	2.9493-03	8.8454-01	2.9493-03	4.3039-03	6.8271-02	6.2956+04	7.4379-04	4.5500-01
403	453.66	3.1636+00	2.5893-01	8.5917-04	2.5893-01	8.5917-04	1.2538-03	1.9888-02	1.8340+04	2.1662-04	6.8600-01
404	455.76	4.9507+00	4.0820-01	1.3567-03	4.0820-01	1.3567-03	1.9799-03	3.1406-02	2.8961+04	3.4211-04	8.0100-01
405	459.32	1.0711+01	8.7999-01	2.9332-03	8.7999-01	2.9332-03	4.2804-03	6.7899-02	6.2612+04	7.3972-04	1.0510+00
406	464.21	1.8513+01	1.5352+00	5.1372-03	1.5352+00	5.1372-03	7.4966-03	1.1892-01	1.0966+05	1.2958-03	1.1670+00
407	469.43	2.3840+01	2.0193+00	6.7859-03	2.0193+00	6.7859-03	9.9025-03	1.5708-01	1.4485+05	1.7120-03	1.2830+00
408	457.96	6.1018+00	4.9487-01	1.6477-03	4.9487-01	1.6477-03	2.4045-03	3.8141-02	3.5172+04	4.1551-04	5.1300-01
409	448.84	3.2317+00	2.6521-01	8.7664-04	2.6521-01	8.7664-04	1.2793-03	2.0293-02	1.8713+04	2.2099-04	5.7000-01
410	455.15	5.2036+00	4.1356-01	1.3739-03	4.1356-01	1.3739-03	2.0049-03	3.1803-02	2.9327+04	3.4642-04	6.2800-01
411	449.71	2.9907+00	2.4557-01	8.1230-04	2.4557-01	8.1230-04	1.1854-03	1.8803-02	1.7339+04	2.0477-04	6.8600-01
412	471.99	5.7802+00	4.7896-01	1.6129-03	4.7896-01	1.6129-03	2.3536-03	3.7335-02	3.4428+04	4.0695-04	7.4400-01
413	450.11	3.0566+00	2.5255-01	8.3565-04	2.5255-01	8.3565-04	1.2194-03	1.9344-02	1.7838+04	2.1066-04	8.0100-01
414	457.53	8.5532+00	7.0188-01	2.3362-03	7.0188-01	2.3362-03	3.4092-03	5.4079-02	4.9868+04	5.8912-04	8.5900-01
415	447.38	3.1974+00	2.6213-01	8.6546-04	2.6213-01	8.6546-04	1.2630-03	2.0034-02	1.8474+04	2.1816-04	9.1700-01
416	457.36	5.7221+00	4.3858-01	1.4596-03	4.3858-01	1.4596-03	2.1299-03	3.3787-02	3.1156+04	3.6806-04	5.7000-01
417	462.32	1.5127+01	1.2453+00	4.1610-03	1.2453+00	4.1610-03	6.0721-03	9.6320-02	8.8821+04	1.0495-03	1.0520+00

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8.06563+01 4.63567-03 3.26995-01 4.41754+03 4.82210-06 6.53316-08 2.73544-02 7.72000+00 6.71234-06 7.51391-02

1	461.53	1.2917+01	2.1766+00	7.2679-03	2.1766+00	7.2679-03	1.0604-02	1.6824-01	1.5518+05	1.8336-03	4.1100-01
2	470.22	1.3970+01	2.3678+00	7.9619-03	2.3678+00	7.9619-03	1.1617-02	1.8430-01	1.7000+05	2.0093-03	7.1100-01
3	458.22	1.1935+01	2.0066+00	6.6825-03	2.0066+00	6.6825-03	9.7502-03	1.5469-01	1.4268+05	1.6856-03	1.3070+00
4	472.92	3.0395+01	5.1610+00	1.7392-02	5.1610+00	1.7392-02	2.5377-02	4.0260-01	3.7135+05	4.3897-03	1.6410+00
5	460.15	2.1527+01	3.7937+00	1.2654-02	3.7937+00	1.2654-02	1.8463-02	2.9291-01	2.7017+05	3.1921-03	1.7720+00
6	426.31	4.7532+00	7.7028-01	2.5014-03	7.7028-01	2.5014-03	3.6498-03	5.7904-02	5.3409+04	6.3019-04	2.4660+00
7	420.36	2.7678+00	4.4532-01	1.4395-03	4.4532-01	1.4395-03	2.1003-03	3.3321-02	3.0735+04	3.6256-04	3.0090+00
8	429.11	3.4608+00	5.5527-01	1.8072-03	5.5527-01	1.8072-03	2.6368-03	4.1832-02	3.8585+04	4.5533-04	3.3930+00
9	444.89	3.4961+00	5.6714-01	1.8688-03	5.6714-01	1.8688-03	2.7268-03	4.3260-02	3.9902+04	4.7116-04	3.7770+00
10	467.32	3.6265+00	5.9913-01	2.0099-03	5.9913-01	2.0099-03	2.9326-03	4.6526-02	4.2914+04	5.0718-04	5.3230+00
14	463.03	1.2059+01	2.0341+00	6.8005-03	2.0341+00	6.8005-03	9.9224-03	1.5742-01	1.4520+05	1.7157-03	1.0880+00
15	476.85	2.7379+01	4.6610+00	1.5758-02	4.6610+00	1.5758-02	2.2991-02	3.6476-01	3.3644+05	3.9778-03	1.3070+00
16	462.82	2.1912+01	3.6955+00	1.2353-02	3.6955+00	1.2353-02	1.8023-02	2.8594-01	2.6375+05	3.1165-03	1.6410+00
19	454.83	6.3262+00	9.6500-01	3.2050-03	9.6500-01	3.2050-03	4.6764-03	7.4191-02	6.8432+04	8.0836-04	4.1100-01
20	452.28	1.9340+00	3.0871-01	1.0232-03	3.0871-01	1.0232-03	1.4930-03	2.3686-02	2.1847+04	2.5805-04	7.1100-01
21	455.34	6.1434+00	9.9772-01	3.3151-03	9.9772-01	3.3151-03	4.8370-03	7.6738-02	7.0781+04	8.3612-04	1.0880+00
22	455.55	1.2462+01	2.0364+00	6.7673-03	2.0364+00	6.7673-03	9.8740-03	1.5665-01	1.4449+05	1.7069-03	1.3070+00
23	458.62	2.1355+01	3.4444+00	1.1475-02	3.4444+00	1.1475-02	1.6743-02	2.6562-01	2.4500+05	2.8945-03	1.6410+00
24	427.01	1.0862+00	1.7402-01	5.6544-04	1.7402-01	5.6544-04	8.2502-04	1.3089-02	1.2073+04	1.4246-04	3.0090+00
25	439.54	6.6441-01	1.0480-01	3.4389-04	1.0480-01	3.4389-04	5.0176-04	7.9604-03	7.3425+03	8.6681-05	3.3930+00
26	454.75	4.8520-01	7.7815-02	2.5843-04	7.7815-02	2.5843-04	3.7707-04	5.9822-03	5.5178+03	6.5179-05	3.7770+00
27	452.80	1.9397+00	3.0973-01	1.0270-03	3.0973-01	1.0270-03	1.4985-03	2.3774-02	2.1929+04	2.5901-04	7.1100-01
28	450.28	4.2135+00	6.8194-01	2.2567-03	6.8194-01	2.2567-03	3.2927-03	5.2239-02	4.8184+04	5.6907-04	1.0880+00
29	450.91	9.3969+00	1.5445+00	5.1136-03	1.5445+00	5.1136-03	7.4612-03	1.1837-01	1.0918+05	1.2895-03	1.3070+00
30	454.08	1.8874+01	3.1181+00	1.0350-02	3.1181+00	1.0350-02	1.5101-02	2.3958-01	2.2098+05	2.6103-03	1.6410+00
31	448.89	1.4488+01	2.4204+00	8.0009-03	2.4204+00	8.0009-03	1.1674-02	1.8521-01	1.7083+05	2.0175-03	1.7720+00
32	431.27	4.4010+00	7.1570-01	2.3332-03	7.1570-01	2.3332-03	3.4043-03	5.4009-02	4.9817+04	5.8792-04	2.4660+00
33	437.75	3.6031+00	5.9035-01	1.9344-03	5.9035-01	1.9344-03	2.8224-03	4.4777-02	4.1301+04	4.8755-04	3.0090+00
34	451.52	1.6691+00	2.7200-01	9.0100-04	2.7200-01	9.0100-04	1.3146-03	2.0856-02	1.9237+04	2.2721-04	3.3930+00
35	465.09	1.2706+00	2.0019-01	6.7040-04	2.0019-01	6.7040-04	9.7816-04	1.5518-02	1.4314+04	1.6915-04	3.7770+00
36	447.88	7.2530+00	1.1755+00	3.8825-03	1.1755+00	3.8825-03	5.6649-03	8.9873-02	8.2897+04	9.7896-04	1.3070+00
37	439.43	6.2353+00	1.0319+00	3.3856-03	1.0319+00	3.3856-03	4.9399-03	7.8371-02	7.2288+04	8.5338-04	2.4660+00
38	446.52	2.8062+00	4.5574-01	1.5037-03	4.5574-01	1.5037-03	2.1940-03	3.4808-02	3.2106+04	3.7913-04	3.0090+00
39	459.74	1.3704+00	2.2322-01	7.4431-04	2.2322-01	7.4431-04	1.0860-03	1.7229-02	1.5892+04	1.8776-04	3.3930+00
40	472.55	8.6130-01	1.4023-01	4.7242-04	1.4023-01	4.7242-04	6.8929-04	1.0936-02	1.0087+04	1.1923-04	3.7770+00
41	482.96	7.7195-01	1.2385-01	4.2078-04	1.2385-01	4.2078-04	6.1395-04	9.7403-03	8.9842+03	1.0625-04	4.1620+00
43	461.92	4.8416-01	8.0651-02	2.6939-04	8.0651-02	2.6939-04	3.9306-04	6.2359-03	5.7518+03	6.7963-05	5.3230+00
47	452.24	4.5262+00	7.2910-01	2.4165-03	7.2910-01	2.4165-03	3.5259-03	5.5939-02	5.1596+04	6.0942-04	7.1100-01
48	452.86	5.4031+00	8.8660-01	2.9401-03	8.8660-01	2.9401-03	4.2898-03	6.8057-02	6.2774+04	7.4146-04	1.0880+00
49	445.30	7.7049+00	1.2653+00	4.1706-03	1.2653+00	4.1706-03	6.0853-03	9.6543-02	8.9048+04	1.0515-03	1.3070+00
50	453.46	1.4999+01	2.4916+00	8.2662-03	2.4916+00	8.2662-03	1.2061-02	1.9135-01	1.7649+05	2.0847-03	1.6410+00
51	451.02	1.2026+01	2.0121+00	6.6626-03	2.0121+00	6.6626-03	9.7213-03	1.5423-01	1.4226+05	1.6802-03	1.7720+00
52	439.90	1.1600+00	1.9260-01	6.3214-04	1.9260-01	6.3214-04	9.2235-04	1.4633-02	1.3497+04	1.5934-04	2.4660+00
53	452.39	2.1075+00	3.4365-01	1.1392-03	3.4365-01	1.1392-03	1.6621-03	2.6369-02	2.4322+04	2.8728-04	3.0090+00
54	467.88	1.7470+00	2.8441-01	9.5455-04	2.8441-01	9.5455-04	1.3928-03	2.2096-02	2.0381+04	2.4088-04	3.3930+00
55	478.05	2.1694+00	3.4907-01	1.1813-03	3.4907-01	1.1813-03	1.7236-03	2.7344-02	2.5222+04	2.9821-04	3.7770+00
56	442.98	1.0836+00	1.6554-01	5.4466-04	1.6554-01	5.4466-04	7.9470-04	1.2608-02	1.1629+04	1.3731-04	4.1100-01
57	458.43	1.1260+01	1.8104+00	6.0303-03	1.8104+00	6.0303-03	8.7986-03	1.3959-01	1.2875+05	1.5211-03	7.1100-01
58	450.23	1.0546+01	1.7275+00	5.7164-03	1.7275+00	5.7164-03	8.3407-03	1.3232-01	1.2205+05	1.4415-03	1.0880+00
59	445.24	1.0809+01	1.7696+00	5.8329-03	1.7696+00	5.8329-03	8.5106-03	1.3502-01	1.2454+05	1.4706-03	1.3070+00
60	450.89	1.1818+01	1.9482+00	6.4503-03	1.9482+00	6.4503-03	9.4115-03	1.4931-01	1.3772+05	1.6266-03	1.6410+00
61	460.24	8.8156-01	1.4408-01	4.8061-04	1.4408-01	4.8061-04	7.0125-04	1.1125-02	1.0262+04	1.2124-04	3.0090+00
62	472.70	1.0951+00	1.7885-01	6.0260-04	1.7885-01	6.0260-04	8.7924-04	1.3949-02	1.2866+04	1.5209-04	3.3930+00
63	479.62	9.6416-01	1.5530-01	5.2623-04	1.5530-01	5.2623-04	7.6781-04	1.2181-02	1.1236+04	1.3285-04	3.7770+00
64	449.64	1.1197+01	1.8716+00	6.1904-03	1.8716+00	6.1904-03	9.0322-03	1.4330-01	1.3217+05	1.5610-03	1.0880+00
65	452.49	1.7484+01	2.9282+00	9.7072-03	2.9282+00	9.7072-03	1.4164-02	2.2470-01	2.0726+05	2.4481-03	1.3070+00
66	446.30	1.1197+01	1.8674+00	6.1602-03	1.8674+00	6.1602-03	8.9881-03	1.4260-01	1.3153+05	1.5532-03	1.6410+00
69	443.72	2.5060+00	4.1717-01	1.3734-03	4.1717-01	1.3734-03	2.0039-03	3.1791-02	2.9324+04	3.4623-04	4.1100-01
70	439.24	5.4390-01	9.0262-02	2.9611-04	9.0262-02	2.9611-04	4.3204-04	6.8543-03	6.3222+03	7.4636-05	7.1100-01
71	430.87	1.5345+00	2.5244-01	8.2271-04	2.5244-01	8.2271-04	1.2004-03	1.9044-02	1.7566+04	2.0730-04	1.3070+00
72	434.48	1.6966+00	2.8063-01	9.1717-04	2.8063-01	9.1717-04	1.3382-03	2.1231-02	1.9583+04	2.3114-04	1.6410+00
73	456.67	1.2738+00	2.0580-01	6.8453-04	2.0580-01	6.8453-04	9.9879-04	1.5846-02	1.4616+04	1.7266-04	3.7770+00
74	446.14	8.5567-01	1.3925-01	4.5929-04	1.3925-01	4.5929-04	6.7014-04	1.0632-02	9.8065+03	1.1580-04	5.3230+00
77	421.39	1.9309+00	3.1367-01	1.0147-03	3.1367-01	1.0147-03	1.4806-03	2.3489-02	2.1666+04	2.5560-04	3.0090+00
78	434.52	2.4727+00	4.0064-01	1.3094-03	4.0064-01	1.3094-03	1.9106-03	3.0311-02	2.7958+04	3.3000-04	3.3930+00
79	451.32	2.0161+00	3.2455-01	1.0749-03	3.2455-01	1.0749-03	1.5684-03	2.4883-02	2.2951+04	2.7107-04	3.7770+00
80	428.17	4.8919+00	8.0793-01	2.6275-03	8.0793-01	2.6275-03	3.8337-03	6.0822-02	5.6101+04	6.6200-04	2.4660+00
81	420.11	2.6920+00	4.3690-01	1.4120-03	4.3690-01	1.4120-03	2.0602-03	3.2685-02	3.0148+04	3.5564-04	3.0090+00
82	428.19	3.0036+00	4.8595-01	1.5804-03	4.8595-01	1.5804-03	2.3059-03	3.6583-02	3.3744+04	3.9818-04	3.3930+00
83	447.16	2.6779+00	4.3509-01	1.4363-03	4.3509-01	1.4363-03	2.0957-03	3.3247-02	3.0667+04	3.6214-04	3.7770+00
337	456.04	1.3487+01	2.4828+00	8.2540-03	2.4828+00	8.2540-03	1.2043-02	1.9106-01	1.7623+05	2.0819-03	7.1680+00
339	450.78	5.2353+00	9.8076-01	3.2469-03	9.8076-01	3.2469-03	4.7374-03	7.5159-02	6.9325+04	8.1877-04	8.1130+00
340	459.39	1.5569+00	2.8725-01	9.5751-04	2.8725-01	9.5751-04	1.3971-03	2.2165-02	2.0444+04	2.4154-04	8.6180+00
342	446.56	1.0338+01	1.9512+00	6.4379-03	1.9512+00	6.4379-03	9.3934-03	1.4903-01	1.3746+05	1.6232-03	7.1680+00
344	443.72	4.6779+00	8.7665-01	2.8860-03	8.7665-01	2.8860-03	4.2109-03	6.6806-02	6.1621+04	7.2758-04	8.1130+00
347	452.04	4.9049+00	9.0045-01	2.9840-03	9.0045-01	2.9840-03	4.3539-03	6.9075-02	6.3713+04	7.5253-04	7.1680+00
349	441.90	3.3361+00	6.2278-01	2.0473-03	6.2278-01	2.0473-03	2.9872-03	4.7392-02	4.3713+04	5.1610-04	8.1130+00
350	443.94	7.8701-01	1.3563-01	4.4659-04	1.3563-01	4.4659-04	6.5161-04	1.0338-02	9.5353+03	1.1259-04	8.6180+00
352	461.93	8.4364-01	1.5218-01	5.0831-04	1.5218-01	5.0831-04	7.4166-04	1.1766-02	1.0853+04	1.2824-04	7.1680+00
354	455.64	2.1771+00	4.0921-01	1.3600-03	4.0921-01	1.3600-03	1.9843-03	3.1481-02	2.9037+04	3.4302-04	8.1130+00
357	468.71	2.1522+00	3.8892-01	1.3062-03	3.8892-01	1.3062-03	1.9059-03	3.0236-02	2.7889+04	3.2963-04	7.1680+00
359	467.04	1.2810+00	2.2680-01	7.6069-04	2.2680-01	7.6069-04	1.1099-03	1.7609-02	1.6242+04	1.9195-04	8.1130+00
401	462.25	1.0042+01	8.3659-01	2.7951-03	8.3659-01	2.7951-03	4.0783-03	6.4702-02	5.9680+04	7.0518-04	4.5500-01
403	454.45	3.2468+00	2.6587-01	8.8278-04	2.6587-01	8.8278-04	1.2880-03	2.0435-02	1.8848+04	2.2264-04	6.8600-01
404	457.01	5.0384+00	4.1579-01	1.3834-03	4.1579-01	1.3834-03	2.0184-03	3.2022-02	2.9537+04	3.4893-04	8.0100-01
405	461.99	1.0624+01	8.7448-01	2.9211-03	8.7448-01	2.9211-03	4.2621-03	6.7618-02	6.2369+04	7.3694-04	1.0510+00
406	468.71	1.7700+01	1.4722+00	4.9445-03	1.4722+00	4.9445-03	7.2144-03	1.1446-01	1.0557+05	1.2478-03	1.1670+00
407	475.22	2.2780+01	1.9370+00	6.5398-03	1.9370+00	6.5398-03	9.5421-03	1.5138-01	1.3963+05	1.6508-03	1.2830+00
408	459.46	5.9751+00	4.8508-01	1.6171-03	4.8508-01	1.6171-03	2.3594-03	3.7432-02	3.4526+04	4.0792-04	5.1300-01
409	449.67	3.2894+00	2.7009-01	8.9337-04	2.7009-01	8.9337-04	1.3035-03	2.0680-02	1.9075+04	2.2527-04	5.7000-01
410	456.43	5.0909+00	4.0495-01	1.3467-03	4.0495-01	1.3467-03	1.9649-03	3.1173-02	2.8754+04	3.3967-04	6.2800-01
411	450.47	2.9761+00	2.4450-01	8.0926-04	2.4450-01	8.0926-04	1.1808-03	1.8733-02	1.7279+04	2.0407-04	6.8600-01
412	473.35	5.3953+00	4.4747-01	1.5085-03	4.4747-01	1.5085-03	2.2010-03	3.4919-02	3.2208+04	3.8075-04	7.4400-01
413	450.93	2.9309+00	2.4230-01	8.0226-04	2.4230-01	8.0226-04	1.1706-03	1.8571-02	1.7129+04	2.0231-04	8.0100-01
414	459.64	8.3101+00	6.8291-01	2.2769-03	6.8291-01	2.2769-03	3.3222-03	5.2706-02	4.8615+04	5.7437-04	8.5900-01
415	448.17	3.2353+00	2.6538-01	8.7675-04	2.6538-01	8.7675-04	1.2792-03	2.0295-02	1.8720+04	2.2107-04	9.1700-01
416	458.82	5.8623+00	4.4977-01	1.4986-03	4.4977-01	1.4986-03	2.1866-03	3.4690-02	3.1997+04	3.7803-04	5.7000-01
417	465.98	1.4396+01	1.1881+00	3.9814-03	1.1881+00	3.9814-03	5.8092-03	9.2162-02	8.5008+04	1.0046-03	1.0520+00

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8.06653+01 4.63560-03 3.26990-01 4.41779+03 4.82149-06 6.53389-08 2.73494-02 7.72000+00 6.71320-06 7.51379-02

1	468.02	1.3071+01	2.2122+00	7.4280-03	2.2122+00	7.4280-03	1.0839-02	1.7194-01	1.5858+05	1.8736-03	4.1100-01
2	477.34	1.4544+01	2.4768+00	8.3794-03	2.4768+00	8.3794-03	1.2227-02	1.9397-01	1.7889+05	2.1143-03	7.1100-01
3	464.16	1.2027+01	2.0302+00	6.7958-03	2.0302+00	6.7958-03	9.9163-03	1.5731-01	1.4508+05	1.7138-03	1.3070+00
4	488.03	2.9938+01	5.1342+00	1.7522-02	5.1342+00	1.7522-02	2.5568-02	4.0561-01	3.7408+05	4.4232-03	1.6410+00
5	470.92	2.1324+01	3.7852+00	1.2739-02	3.7852+00	1.2739-02	1.8589-02	2.9489-01	2.7197+05	3.2136-03	1.7720+00
6	428.74	4.9600+00	8.0516-01	2.6205-03	8.0516-01	2.6205-03	3.8238-03	6.0659-02	5.5944+04	6.5995-04	2.4660+00
7	421.77	2.8691+00	4.6208-01	1.4957-03	4.6208-01	1.4957-03	2.1826-03	3.4624-02	3.1932+04	3.7659-04	3.0090+00
8	430.81	3.4551+00	5.5502-01	1.8093-03	5.5502-01	1.8093-03	2.6401-03	4.1882-02	3.8626+04	4.5569-04	3.3930+00
9	446.65	3.4473+00	5.5990-01	1.8481-03	5.5990-01	1.8481-03	2.6967-03	4.2761-02	3.9455+04	4.6576-04	3.7770+00
10	469.09	3.5855+00	5.9305-01	1.9930-03	5.9305-01	1.9930-03	2.9082-03	4.6135-02	4.2548+04	5.0272-04	5.3230+00
14	469.07	1.2270+01	2.0780+00	6.9833-03	2.0780+00	6.9833-03	1.0190-02	1.6165-01	1.4908+05	1.7615-03	1.0880+00
15	490.32	2.6314+01	4.5195+00	1.5454-02	4.5195+00	1.5454-02	2.2550-02	3.5773-01	3.2992+05	3.9013-03	1.3070+00
16	473.73	2.1809+01	3.7052+00	1.2499-02	3.7052+00	1.2499-02	1.8238-02	2.8932-01	2.6683+05	3.1532-03	1.6410+00
19	458.07	6.4810+00	9.9079-01	3.3003-03	9.9079-01	3.3003-03	4.8157-03	7.6395-02	7.0456+04	8.3210-04	4.1100-01
20	453.41	2.3995+00	3.8330-01	1.2720-03	3.8330-01	1.2720-03	1.8561-03	2.9445-02	2.7156+04	3.2065-04	7.1100-01
21	458.38	6.0416+00	9.8320-01	3.2758-03	9.8320-01	3.2758-03	4.7800-03	7.5829-02	6.9934+04	8.2594-04	1.0880+00
22	461.91	1.2645+01	2.0753+00	6.9339-03	2.0753+00	6.9339-03	1.0118-02	1.6051-01	1.4803+05	1.7485-03	1.3070+00
23	469.40	2.1465+01	3.4873+00	1.1723-02	3.4873+00	1.1723-02	1.7105-02	2.7135-01	2.5026+05	2.9569-03	1.6410+00
24	427.60	1.1647+00	1.8667-01	6.0700-04	1.8667-01	6.0700-04	8.8572-04	1.4051-02	1.2959+04	1.5286-04	3.0090+00
25	439.84	6.9091-01	1.0901-01	3.5788-04	1.0901-01	3.5788-04	5.2220-04	8.2842-03	7.6401+03	9.0167-05	3.3930+00
26	454.97	4.3013-01	6.8994-02	2.2925-04	6.8994-02	2.2925-04	3.3452-04	5.3067-03	4.8941+03	5.7793-05	3.7770+00
27	453.79	1.9060+00	3.0454-01	1.0110-03	3.0454-01	1.0110-03	1.4752-03	2.3402-02	2.1583+04	2.5485-04	7.1100-01
28	452.23	3.8862+00	6.2981-01	2.0881-03	6.2981-01	2.0881-03	3.0469-03	4.8336-02	4.4578+04	5.2635-04	1.0880+00
29	455.54	9.4904+00	1.5648+00	5.2017-03	1.5648+00	5.2017-03	7.5902-03	1.2041-01	1.1105+05	1.3114-03	1.3070+00
30	463.57	1.8978+01	3.1555+00	1.0558-02	3.1555+00	1.0558-02	1.5405-02	2.4439-01	2.2539+05	2.6624-03	1.6410+00
31	455.96	1.4253+01	2.3927+00	7.9566-03	2.3927+00	7.9566-03	1.1610-02	1.8418-01	1.6986+05	2.0059-03	1.7720+00
32	433.51	4.5984+00	7.4898-01	2.4467-03	7.4898-01	2.4467-03	3.5702-03	5.6638-02	5.2234+04	6.1630-04	2.4660+00
33	439.50	3.5081+00	5.7547-01	1.8888-03	5.7547-01	1.8888-03	2.7561-03	4.3723-02	4.0324+04	4.7588-04	3.0090+00
34	452.22	1.5719+00	2.5629-01	8.4971-04	2.5629-01	8.4971-04	1.2399-03	1.9669-02	1.8140+04	2.1419-04	3.3930+00
35	465.69	1.2457+00	1.9634-01	6.5803-04	1.9634-01	6.5803-04	9.6019-04	1.5232-02	1.4048+04	1.6596-04	3.7770+00
36	451.38	6.7907+00	1.1032+00	3.6551-03	1.1032+00	3.6551-03	5.3335-03	8.4609-02	7.8031+04	9.2132-04	1.3070+00
37	442.45	6.0909+00	1.0101+00	3.3231-03	1.0101+00	3.3231-03	4.8490-03	7.6923-02	7.0943+04	8.3734-04	2.4660+00
38	447.94	2.7626+00	4.4909-01	1.4839-03	4.4909-01	1.4839-03	2.1653-03	3.4349-02	3.1679+04	3.7398-04	3.0090+00
39	460.34	1.1065+00	1.8031-01	6.0170-04	1.8031-01	6.0170-04	8.7800-04	1.3928-02	1.2846+04	1.5172-04	3.3930+00
40	472.97	8.0571-01	1.3121-01	4.4234-04	1.3121-01	4.4234-04	6.4546-04	1.0239-02	9.4434+03	1.1159-04	3.7770+00
41	483.36	7.0234-01	1.1271-01	3.8319-04	1.1271-01	3.8319-04	5.5914-04	8.8701-03	8.1805+03	9.6710-05	4.1620+00
43	462.15	4.2078-01	7.0104-02	2.3428-04	7.0104-02	2.3428-04	3.4186-04	5.4231-03	5.0015+03	5.9078-05	5.3230+00
47	454.58	4.9221+00	7.9413-01	2.6378-03	7.9413-01	2.6378-03	3.8491-03	6.1061-02	5.6314+04	6.6498-04	7.1100-01
48	455.71	5.7735+00	9.4922-01	3.1559-03	9.4922-01	3.1559-03	4.6050-03	7.3052-02	6.7373+04	7.9561-04	1.0880+00
49	449.20	7.6057+00	1.2523+00	4.1421-03	1.2523+00	4.1421-03	6.0440-03	9.5881-02	8.8427+04	1.0440-03	1.3070+00
50	460.92	1.5121+01	2.5245+00	8.4284-03	2.5245+00	8.4284-03	1.2299-02	1.9510-01	1.7993+05	2.1253-03	1.6410+00
51	456.98	1.2046+01	2.0235+00	6.7345-03	2.0235+00	6.7345-03	9.8268-03	1.5589-01	1.4377+05	1.6979-03	1.7720+00
52	440.46	1.1642+00	1.9336-01	6.3513-04	1.9336-01	6.3513-04	9.2677-04	1.4702-02	1.3559+04	1.6002-04	2.4660+00
53	453.56	2.4109+00	3.9343-01	1.3058-03	3.9343-01	1.3058-03	1.9054-03	3.0227-02	2.7877+04	3.2917-04	3.0090+00
54	468.78	1.8218+00	2.9676-01	9.9706-04	2.9676-01	9.9706-04	1.4549-03	2.3080-02	2.1286+04	2.5150-04	3.3930+00
55	479.11	2.0717+00	3.3359-01	1.1302-03	3.3359-01	1.1302-03	1.6492-03	2.6163-02	2.4129+04	2.8520-04	3.7770+00
56	443.61	9.9689-01	1.5235-01	5.0168-04	1.5235-01	5.0168-04	7.3204-04	1.1613-02	1.0710+04	1.2642-04	4.1100-01
57	464.04	1.1036+01	1.7811+00	5.9614-03	1.7811+00	5.9614-03	8.6988-03	1.3800-01	1.2727+05	1.5034-03	7.1100-01
58	455.36	1.0513+01	1.7261+00	5.7436-03	1.7261+00	5.7436-03	8.3810-03	1.3295-01	1.2262+05	1.4480-03	1.0880+00
59	450.44	1.0036+01	1.6491+00	5.4596-03	1.6491+00	5.4596-03	7.9665-03	1.2638-01	1.1655+05	1.3761-03	1.3070+00
60	456.75	1.1841+01	1.9598+00	6.5210-03	1.9598+00	6.5210-03	9.5154-03	1.5095-01	1.3921+05	1.6441-03	1.6410+00
61	460.72	1.0114+00	1.6536-01	5.5198-04	1.6536-01	5.5198-04	8.0544-04	1.2777-02	1.1784+04	1.3919-04	3.0090+00
62	473.22	1.0587+00	1.7297-01	5.8322-04	1.7297-01	5.8322-04	8.5102-04	1.3500-02	1.2451+04	1.4713-04	3.3930+00
63	480.08	9.4078-01	1.5158-01	5.1398-04	1.5158-01	5.1398-04	7.5000-04	1.1898-02	1.0973+04	1.2970-04	3.7770+00
64	455.10	1.0894+01	1.8277+00	6.0734-03	1.8277+00	6.0734-03	8.8622-03	1.4059-01	1.2966+05	1.5311-03	1.0880+00
65	461.09	1.7093+01	2.8794+00	9.6145-03	2.8794+00	9.6145-03	1.4029-02	2.2256-01	2.0526+05	2.4244-03	1.3070+00
66	451.84	1.0982+01	1.8385+00	6.0935-03	1.8385+00	6.0935-03	8.8915-03	1.4105-01	1.3009+05	1.5360-03	1.6410+00
69	445.01	2.6514+00	4.4178-01	1.4563-03	4.4178-01	1.4563-03	2.1250-03	3.3711-02	3.1091+04	3.6700-04	4.1100-01
70	439.50	4.7013-01	7.8035-02	2.5613-04	7.8035-02	2.5613-04	3.7373-04	5.9288-03	5.4679+03	6.4530-05	7.1100-01
71	431.61	1.5870+00	2.6121-01	8.5203-04	2.6121-01	8.5203-04	1.2433-03	1.9723-02	1.8190+04	2.1460-04	1.3070+00
72	435.32	1.6608+00	2.7486-01	8.9919-04	2.7486-01	8.9919-04	1.3121-03	2.0815-02	1.9196+04	2.2651-04	1.6410+00
73	457.25	1.2312+00	1.9900-01	6.6243-04	1.9900-01	6.6243-04	9.6660-04	1.5334-02	1.4142+04	1.6701-04	3.7770+00
74	446.55	8.3480-01	1.3598-01	4.4882-04	1.3598-01	4.4882-04	6.5491-04	1.0389-02	9.5817+03	1.1311-04	5.3230+00
77	422.39	2.0364+00	3.3104-01	1.0721-03	3.3104-01	1.0721-03	1.5644-03	2.4817-02	2.2888+04	2.6993-04	3.0090+00
78	435.74	2.4436+00	3.9627-01	1.2968-03	3.9627-01	1.2968-03	1.8922-03	3.0018-02	2.7684+04	3.2667-04	3.3930+00
79	452.18	1.8161+00	2.9253-01	9.6984-04	2.9253-01	9.6984-04	1.4152-03	2.2450-02	2.0705+04	2.4447-04	3.7770+00
80	430.64	5.0317+00	8.3246-01	2.7134-03	8.3246-01	2.7134-03	3.9593-03	6.2810-02	5.7927+04	6.8339-04	2.4660+00
81	421.45	2.6514+00	4.3074-01	1.3939-03	4.3074-01	1.3939-03	2.0340-03	3.2267-02	2.9759+04	3.5095-04	3.0090+00
82	429.65	2.7278+00	4.4178-01	1.4388-03	4.4178-01	1.4388-03	2.0995-03	3.3306-02	3.0717+04	3.6237-04	3.3930+00
83	448.48	2.6364+00	4.2873-01	1.4172-03	4.2873-01	1.4172-03	2.0680-03	3.2806-02	3.0255+04	3.5718-04	3.7770+00
337	462.89	1.3457+01	2.4886+00	8.3217-03	2.4886+00	8.3217-03	1.2143-02	1.9263-01	1.7766+05	2.0985-03	1.7680+00
339	453.26	5.1584+00	9.6799-01	3.2120-03	9.6799-01	3.2120-03	4.6869-03	7.4352-02	6.8571+04	8.0968-04	8.1130+00
340	460.19	1.6369+00	3.0217-01	1.0082-03	3.0217-01	1.0082-03	1.4712-03	2.3338-02	2.1524+04	2.5422-04	8.6180+00
342	451.60	9.7704+00	1.8505+00	6.1322-03	1.8505+00	6.1322-03	8.9479-03	1.4195-01	1.3091+05	1.5457-03	7.1680+00
344	446.06	4.6519+00	8.7319-01	2.8809-03	8.7319-01	2.8809-03	4.2037-03	6.6687-02	6.1503+04	7.2602-04	8.1130+00
347	454.57	5.2883+00	9.7250-01	3.2303-03	9.7250-01	3.2303-03	4.7136-03	7.4776-02	6.8963+04	8.1435-04	7.1680+00
349	443.55	3.2447+00	6.0641-01	1.9967-03	6.0641-01	1.9967-03	2.9136-03	4.6220-02	4.2627+04	5.0314-04	8.1130+00
350	444.33	7.5636-01	1.3039-01	4.2959-04	1.3039-01	4.2959-04	6.2684-04	9.9441-03	9.1710+03	1.0825-04	8.6180+00
352	462.37	8.7325-01	1.5756-01	5.2666-04	1.5756-01	5.2666-04	7.6849-04	1.2191-02	1.1243+04	1.3281-04	7.1680+00
354	456.69	2.0535+00	3.8625-01	1.2852-03	3.8625-01	1.2852-03	1.8753-03	2.9749-02	2.7436+04	3.2401-04	8.1130+00
357	469.78	2.1678+00	3.9202-01	1.3182-03	3.9202-01	1.3182-03	1.9234-03	3.0513-02	2.8141+04	3.3250-04	7.1680+00
359	467.70	1.2784+00	2.2644-01	7.6013-04	2.2644-01	7.6013-04	1.1092-03	1.7596-02	1.6228+04	1.9172-04	8.1130+00
401	467.07	9.4208+00	7.8738-01	2.6418-03	7.8738-01	2.6418-03	3.8548-03	6.1152-02	5.6398+04	6.6630-04	4.5500-01
403	456.09	3.3345+00	2.7337-01	9.0914-04	2.7337-01	9.0914-04	1.3266-03	2.1045-02	1.9409+04	2.2920-04	6.8600-01
404	459.55	5.1761+00	4.2788-01	1.4270-03	4.2788-01	1.4270-03	2.0822-03	3.3031-02	3.0463+04	3.5980-04	8.0100-01
405	467.29	1.0629+01	8.7799-01	2.9463-03	8.7799-01	2.9463-03	4.2992-03	6.8201-02	6.2899+04	7.4312-04	1.0510+00
406	477.20	1.6386+01	1.3707+00	4.6367-03	1.3707+00	4.6367-03	6.7658-03	1.0733-01	9.8988+04	1.1699-03	1.1670+00
407	486.15	2.1062+01	1.8038+00	6.1469-03	1.8038+00	6.1469-03	8.9694-03	1.4229-01	1.3123+05	1.5515-03	1.2830+00
408	462.42	6.0842+00	4.9492-01	1.6543-03	4.9492-01	1.6543-03	2.4140-03	3.8295-02	3.5317+04	4.1718-04	5.1300-01
409	451.30	3.0847+00	2.5357-01	8.4007-04	2.5357-01	8.4007-04	1.2258-03	1.9446-02	1.7934+04	2.1175-04	5.7000-01
410	458.96	5.0758+00	4.0445-01	1.3482-03	4.0445-01	1.3482-03	1.9672-03	3.1207-02	2.8781+04	3.3992-04	6.2800-01
411	451.87	2.5626+00	2.1073-01	6.9848-04	2.1073-01	6.9848-04	1.0192-03	1.6168-02	1.4911+04	1.7606-04	6.8600-01
412	475.96	5.2971+00	4.4069-01	1.4872-03	4.4069-01	1.4872-03	2.1702-03	3.4427-02	3.1750+04	3.7524-04	7.4400-01
413	452.21	2.6540+00	2.1960-01	7.2807-04	2.1960-01	7.2807-04	1.0624-03	1.6853-02	1.5543+04	1.8353-04	8.0100-01
414	463.69	7.9257+00	6.5310-01	2.1853-03	6.5310-01	2.1853-03	3.1887-03	5.0586-02	4.6653+04	5.5110-04	8.5900-01
415	449.85	3.4535+00	2.8360-01	9.3851-04	2.8360-01	9.3851-04	1.3694-03	2.1725-02	2.0036+04	2.3655-04	9.1700-01
416	461.76	5.8930+00	4.5302-01	1.5135-03	4.5302-01	1.5135-03	2.2084-03	3.5034-02	3.2310+04	3.8165-04	5.7000-01
417	472.88	1.3221+01	1.0962+00	3.6952-03	1.0962+00	3.6952-03	5.3919-03	8.5537-02	7.8887+04	9.3221-04	1.0520+00

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8.03409+01 4.81891-03 3.40690-01 4.40999+03 5.03739-06 6.50761-06 2.86104-02 7.72000+00 6.68238-06 7.51809-02

1	451.87	7.5106+00	1.2573+00	4.1873-03	1.2573+00	4.1873-03	5.8644-03	9.4709-02	8.9806+04	1.0553-03	4.1100-01
2	449.54	2.2873+01	3.8229+00	1.2708-02	3.8229+00	1.2708-02	1.7797-02	2.8743-01	2.7255+05	3.2023-03	7.1100-01
3	453.45	2.1115+01	3.5386+00	1.1800-02	3.5386+00	1.1800-02	1.6526-02	2.6689-01	2.5307+05	2.9739-03	1.3070+00
4	445.79	2.3838+01	3.9741+00	1.3171-02	3.9741+00	1.3171-02	1.8446-02	2.9790-01	2.8248+05	3.3185-03	1.6410+00
5	435.67	1.5264+01	2.6451+00	8.6966-03	2.6451+00	8.6966-03	1.2180-02	1.9670-01	1.8652+05	2.1903-03	1.7720+00
6	424.18	5.6327+00	9.1143-01	2.9696-03	9.1143-01	2.9696-03	4.1590-03	6.7167-02	6.3690+04	7.4759-04	2.4660+00
7	434.38	4.8369+00	7.8595-01	2.5814-03	7.8595-01	2.5814-03	3.6152-03	5.8386-02	5.5363+04	6.5011-04	3.0090+00
8	446.98	4.8390+00	7.8611-01	2.6078-03	7.8611-01	2.6078-03	3.6523-03	5.8984-02	5.5930+04	6.5709-04	3.3930+00
9	461.49	5.0052+00	8.2119-01	2.7561-03	8.2119-01	2.7561-03	3.8599-03	6.2337-02	5.9110+04	6.9484-04	3.7770+00
10	486.98	4.2114+00	7.0487-01	2.4154-03	7.0487-01	2.4154-03	3.3827-03	5.4631-02	5.1802+04	6.0956-04	5.3230+00
14	447.08	3.1990+01	5.3378+00	1.7709-02	5.3378+00	1.7709-02	2.4801-02	4.0054-01	3.7980+05	4.4621-03	1.0880+00
15	445.32	1.6211+01	2.7017+00	8.9508-03	2.7017+00	8.9508-03	1.2536-02	2.0245-01	1.9197+05	2.2552-03	1.3070+00
16	438.38	2.3694+01	3.9297+00	1.2948-02	3.9297+00	1.2948-02	1.8133-02	2.9285-01	2.7769+05	3.2613-03	1.6410+00
19	453.14	1.0590+01	1.6135+00	5.3791-03	1.6135+00	5.3791-03	7.5335-03	1.2166-01	1.1537+05	1.3557-03	4.1100-01
20	449.20	1.5326+01	2.4412+00	8.1127-03	2.4412+00	8.1127-03	1.1362-02	1.8349-01	1.7399+05	2.0443-03	7.1100-01
21	436.87	1.8076+01	2.8986+00	9.5390-03	2.8986+00	9.5390-03	1.3359-02	2.1575-01	2.0458+05	2.4026-03	1.0880+00
22	436.65	1.8814+01	3.0345+00	9.9845-03	3.0345+00	9.9845-03	1.3983-02	2.2583-01	2.1414+05	2.5148-03	1.3070+00
23	428.90	1.8466+01	2.9180+00	9.5427-03	2.9180+00	9.5427-03	1.3364-02	2.1564-01	2.0466+05	2.4027-03	1.6410+00
24	432.39	1.2597+00	2.0259-01	6.6433-04	2.0259-01	6.6433-04	9.3040-04	1.5026-02	1.4248+04	1.6730-04	3.0090+00
25	445.21	9.8390-01	1.5581-01	5.1615-04	1.5581-01	5.1615-04	7.2287-04	1.1674-02	1.1070+04	1.3004-04	3.3930+00
26	458.47	1.1366+00	1.8275-01	6.1185-04	1.8275-01	6.1185-04	8.5690-04	1.3839-02	1.3122+04	1.5424-04	3.7770+00
27	449.98	2.4823+01	3.9559+00	1.3155-02	3.9559+00	1.3155-02	1.8423-02	2.9753-01	2.8213+05	3.3150-03	7.1100-01
28	439.52	2.7848+01	4.4738+00	1.4754-02	4.4738+00	1.4754-02	2.0662-02	3.3370-01	3.1642+05	3.7163-03	1.0880+00
29	434.31	1.7024+01	2.7662+00	9.0849-03	2.7662+00	9.0849-03	1.2723-02	2.0548-01	1.9484+05	2.2880-03	1.3070+00
30	424.91	1.4780+01	2.3927+00	7.8005-03	2.3927+00	7.8005-03	1.0925-02	1.7643-01	1.6730+05	1.9638-03	1.6410+00
31	422.28	1.0023+01	1.6436+00	5.3474-03	1.6436+00	5.3474-03	7.4890-03	1.2095-01	1.1469+05	1.3461-03	1.7720+00
32	435.16	4.3288+00	7.0588-01	2.3198-03	7.0588-01	2.3198-03	3.2489-03	5.2469-02	4.9753+04	5.8425-04	2.4660+00
33	446.91	3.8390+00	6.3299-01	2.0998-03	6.3299-01	2.0998-03	2.9407-03	4.7492-02	4.5033+04	5.2907-04	3.0090+00
34	462.66	2.0223+00	3.3211-01	1.1158-03	3.3211-01	1.1158-03	1.5627-03	2.5238-02	2.3932+04	2.8133-04	3.3930+00
35	473.47	6.6234-01	1.0494-01	3.5564-04	1.0494-01	3.5564-04	4.9807-04	8.0437-03	7.6273+03	8.9702-05	3.7770+00
36	435.62	1.3801+01	2.2178+00	7.2912-03	2.2178+00	7.2912-03	1.0211-02	1.6491-01	1.5637+05	1.8363-03	1.3070+00
37	441.70	6.8899+00	1.1420+00	3.7726-03	1.1420+00	3.7726-03	5.2835-03	8.5328-02	8.0911+04	9.5038-04	2.4660+00
38	463.15	1.7486+00	2.8721-01	9.6521-04	2.8721-01	9.6521-04	1.3518-03	2.1831-02	2.0701+04	2.4336-04	3.0090+00
39	475.97	1.0312+00	1.6980-01	5.7663-04	1.6980-01	5.7663-04	8.0757-04	1.3042-02	1.2367+04	1.4546-04	3.3930+00
40	484.38	1.0623+00	1.7431-01	5.9604-04	1.7431-01	5.9604-04	8.3476-04	1.3481-02	1.2783+04	1.5041-04	3.7770+00
41	488.80	4.7065-01	7.5797-02	2.6012-04	7.5797-02	2.6012-04	3.6430-04	5.8834-03	5.5789+03	6.5651-05	4.1620+00
43	473.05	8.5195-01	1.4298-01	4.8439-04	1.4298-01	4.8439-04	6.7839-04	1.0956-02	1.0389+04	1.2218-04	5.3230+00
47	441.48	7.5247+00	1.2032+00	3.9739-03	1.2032+00	3.9739-03	5.5654-03	8.9881-02	8.5228+04	1.0011-03	7.1100-01
48	440.73	2.5225+01	4.1048+00	1.3550-02	4.1048+00	1.3550-02	1.8976-02	3.0646-01	2.9060+05	3.4132-03	1.0880+00
49	432.02	1.6555+01	2.6937+00	8.8307-03	2.6937+00	8.8307-03	1.2367-02	1.9973-01	1.8939+05	2.2238-03	1.3070+00
50	427.95	1.2130+01	1.9797+00	6.4695-03	1.9797+00	6.4695-03	9.0605-03	1.4633-01	1.3875+05	1.6289-03	1.6410+00
51	430.18	8.5439+00	1.4069+00	4.6123-03	1.4089+00	4.6123-03	6.4595-03	1.0432-01	9.8920+04	1.1614-03	1.7720+00
52	444.71	1.5652+00	2.6074-01	8.6340-04	2.6074-01	8.6340-04	1.2092-03	1.9528-02	1.8517+04	2.1753-04	2.4660+00
53	470.27	1.4577+00	2.4057-01	8.1316-04	2.4057-01	8.1316-04	1.1388-03	1.8392-02	1.7440+04	2.0508-04	3.0090+00
54	483.06	1.8525+00	3.0462-01	1.0405-03	3.0462-01	1.0405-03	1.4572-03	2.3534-02	2.2315+04	2.6254-04	3.3930+00
55	489.60	1.6639+00	2.6978-01	9.2645-04	2.6978-01	9.2645-04	1.2975-03	2.0954-02	1.9869+04	2.3383-04	3.7770+00
56	447.28	2.1553+00	3.3023-01	1.0958-03	3.3023-01	1.0958-03	1.5346-03	2.4784-02	2.3501+04	2.7610-04	4.1100-01
57	442.35	7.0426+00	1.1199+00	3.7015-03	1.1199+00	3.7015-03	5.1839-03	8.3720-02	7.9386+04	9.3249-04	7.1100-01
58	435.36	9.6571+00	1.5656+00	5.1461-03	1.5656+00	5.1461-03	7.2071-03	1.1639-01	1.1037+05	1.2961-03	1.0880+00
59	435.14	1.3636+01	2.2250+00	7.3122-03	2.2250+00	7.3122-03	1.0241-02	1.6539-01	1.5683+05	1.8416-03	1.3070+00
60	431.76	1.0393+01	1.6907+00	5.5416-03	1.6907+00	5.5416-03	7.7610-03	1.2534-01	1.1885+05	1.3955-03	1.6410+00
61	473.78	1.2145+00	2.0031-01	6.7902-04	2.0031-01	6.7902-04	9.5097-04	1.5358-02	1.4563+04	1.7127-04	3.0090+00
62	486.38	1.0530+00	1.7353-01	5.9435-04	1.7353-01	5.9435-04	8.3239-04	1.3443-02	1.2747+04	1.4999-04	3.3930+00
63	490.64	7.8494-01	1.2735-01	4.3771-04	1.2735-01	4.3771-04	6.1302-04	9.9002-03	9.3877+03	1.1048-04	3.7770+00
64	433.37	7.6395+00	1.2626+00	4.1437-03	1.2626+00	4.1437-03	5.8033-03	9.3722-02	8.8870+04	1.0435-03	1.0880+00
65	428.69	6.8826+00	1.1338+00	3.7073-03	1.1338+00	3.7073-03	5.1920-03	8.3851-02	7.9510+04	9.3345-04	1.3070+00
66	431.05	8.2888+00	1.3677+00	4.4804-03	1.3677+00	4.4804-03	6.2748-03	1.0134-01	9.6091+04	1.1282-03	1.6410+00
69	450.71	1.3434+00	2.2471-01	7.4767-04	2.2471-01	7.4767-04	1.0471-03	1.6911-02	1.6035+04	1.8842-04	4.1100-01
70	448.64	1.2494+00	2.0869-01	6.9321-04	2.0869-01	6.9321-04	9.7063-04	1.5679-02	1.4867+04	1.7468-04	7.1100-01
71	435.02	2.4821+00	4.0950-01	1.3457-03	4.0950-01	1.3457-03	1.8846-03	3.0436-02	2.8860+04	3.3890-04	1.3070+00
72	434.50	3.0987+00	5.1255-01	1.6836-03	5.1255-01	1.6836-03	2.3578-03	3.8079-02	3.6108+04	4.2400-04	1.6410+00
73	463.16	1.2099+00	1.9634-01	6.5984-04	1.9634-01	6.5984-04	9.2411-04	1.4924-02	1.4152+04	1.6636-04	3.7770+00
74	452.64	1.3730+00	2.2459-01	7.4842-04	2.2459-01	7.4842-04	1.0482-03	1.6928-02	1.6051+04	1.8862-04	5.3230+00
77	430.51	4.8182+00	7.8777-01	2.5795-03	7.8777-01	2.5795-03	3.6126-03	5.8343-02	5.5322+04	6.4953-04	3.0090+00
78	446.01	3.7231+00	6.0806-01	2.0156-03	6.0806-01	2.0156-03	2.8229-03	4.5589-02	4.3229+04	5.0785-04	3.3930+00
79	460.21	2.3527+00	3.8104-01	1.2775-03	3.8104-01	1.2775-03	1.7892-03	2.8895-02	2.7399+04	3.2206-04	3.7770+00
80	425.80	5.4332+00	8.9583-01	2.9225-03	8.9583-01	2.9225-03	4.0930-03	6.6102-02	6.2680+04	7.3578-04	2.4660+00
81	435.59	4.0182+00	6.5931-01	2.1675-03	6.5931-01	2.1675-03	3.0356-03	4.9025-02	4.6487+04	5.4590-04	3.0090+00
82	447.73	3.4727+00	5.6953-01	1.8905-03	5.6953-01	1.8905-03	2.6476-03	4.2759-02	4.0545+04	4.7636-04	3.3930+00
83	462.03	3.5252+00	5.7859-01	1.9427-03	5.7859-01	1.9427-03	2.7208-03	4.3940-02	4.1665+04	4.8979-04	3.7770+00
337	464.94	1.2225+01	2.2641+00	7.6198-03	2.2641+00	7.6198-03	1.0672-02	1.7234-01	1.6342+05	1.9213-03	7.1680+00
339	483.57	8.8504+00	1.6948+00	5.7914-03	1.6948+00	5.7914-03	8.1108-03	1.3099-01	1.2421+05	1.4613-03	8.1130+00
340	489.31	3.2400+00	6.0977-01	2.0935-03	6.0977-01	2.0935-03	2.9320-03	4.7352-02	4.4900+04	5.2839-04	8.6180+00
342	458.84	9.5694+00	1.8214+00	6.0998-03	1.8214+00	6.0998-03	8.5428-03	1.3797-01	1.3082+05	1.5377-03	7.1680+00
344	470.04	6.2514+00	1.1927+00	4.0306-03	1.1927+00	4.0306-03	5.6449-03	9.1164-02	8.6444+04	1.0165-03	8.1130+00
347	465.76	5.8810+00	1.0897+00	3.6700-03	1.0897+00	3.6700-03	5.1398-03	8.3007-02	7.8710+04	9.2540-04	7.1680+00
349	461.70	3.6109+00	6.8327-01	2.2936-03	6.8327-01	2.2936-03	3.2122-03	5.1876-02	4.9190+04	5.7824-04	8.1130+00
350	465.23	7.9325-01	1.3870-01	4.6692-04	1.3870-01	4.6692-04	6.5393-04	1.0561-02	1.0014+04	1.1773-04	8.6180+00
352	470.27	1.3496+00	2.4481-01	8.2750-04	2.4481-01	8.2750-04	1.1589-03	1.8716-02	1.7747+04	2.0869-04	7.1680+00
354	470.28	1.6270+00	3.0884-01	1.0439-03	3.0884-01	1.0439-03	1.4620-03	2.3611-02	2.2389+04	2.6328-04	8.1130+00
357	480.11	2.9725+00	5.4123-01	1.8442-03	5.4123-01	1.8442-03	2.5828-03	4.1712-02	3.9553+04	4.6529-04	7.1680+00
359	484.94	2.8358+00	5.0806-01	1.7380-03	5.0806-01	1.7380-03	2.4341-03	3.9311-02	3.7276+04	4.3859-04	8.1130+00
401	468.03	4.0276+01	3.3684+00	1.1365-02	3.3684+00	1.1365-02	1.5917-02	2.5705-01	2.4375+05	2.8660-03	4.5530-01
403	454.17	1.5245+01	1.2462+00	4.1645-03	1.2482+00	4.1645-03	5.8324-03	9.4193-02	8.9317+04	1.0496-03	6.8600-01
404	456.34	2.1382+01	1.7637+00	5.8949-03	1.7637+00	5.8949-03	8.2558-03	1.3333-01	1.2643+05	1.4859-03	8.0100-01
405	460.97	3.6693+01	3.0181+00	1.0125-02	3.0181+00	1.0125-02	1.4180-02	2.2901-01	2.1715+05	2.5526-03	1.0510+00
406	453.98	3.8714+01	3.1882+00	1.0636-02	3.1882+00	1.0636-02	1.4895-02	2.4056-01	2.2810+05	2.6806-03	1.1670+00
407	453.49	4.3527+01	3.6474+00	1.2163-02	3.6474+00	1.2163-02	1.7034-02	2.7510-01	2.6086+05	3.0654-03	1.2830+00
408	455.80	1.6202+01	1.3121+00	4.3835-03	1.3121+00	4.3835-03	6.1391-03	9.9146-02	9.4013+04	1.1049-03	5.1300-01
409	443.53	2.5387+00	2.0758-01	6.8672-04	2.0758-01	6.8672-04	9.6175-04	1.5532-02	1.4728+04	1.7301-04	5.7000-01
410	452.58	9.2062+00	7.3038-01	2.4338-03	7.3038-01	2.4338-03	3.4086-03	5.5048-02	5.2198+04	6.1338-04	6.2800-01
411	444.46	2.6618+00	2.1778-01	7.2102-04	2.1778-01	7.2102-04	1.0098-03	1.6308-02	1.5464+04	1.8165-04	6.8600-01
412	467.31	1.3215+01	1.0916+00	3.6808-03	1.0916+00	3.6808-03	5.1549-03	8.3252-02	7.8942+04	9.2818-04	7.4400-01
413	442.40	3.7574+00	3.0881-01	1.0207-03	3.0881-01	1.0207-03	1.4295-03	2.3086-02	2.1891+04	2.5714-04	8.0100-01
414	456.84	2.4879+01	2.0407+00	6.8232-03	2.0407+00	6.8232-03	9.5559-03	1.5433-01	1.4634+05	1.7199-03	8.5900-01
415	442.28	4.3719+00	3.5716-01	1.1804-03	3.5716-01	1.1804-03	1.6532-03	2.6699-02	2.5317+04	2.9737-04	9.1700-01
416	458.06	1.3801+01	1.0583+00	3.5420-03	1.0583+00	3.5420-03	4.9606-03	8.0114-02	7.5966+04	8.9287-04	5.7000-01
417	458.66	3.2884+01	2.7005+00	9.0428-03	2.7005+00	9.0428-03	1.2664-02	2.0453-01	1.9394+05	2.2795-03	1.0520+00

#4 1 -3.03 -15.03 .00 -.00 402 11 2.15 10.04 217.5 1643.0

8.03229+01 4.81905-03 3.40100-01 4.40950+03 5.03366-06 6.50615-08 2.86208-02 7.72000+00 6.68067-06 7.51833-02

1	453.96	8.5579+00	1.4347+00	4.7860-03	1.4347+00	4.7860-03	6.7019-03	1.0825-01	1.0267+05	1.2066-03	4.1100-01
2	455.28	2.3020+01	3.8627+00	1.2899-02	3.8627+00	1.2899-02	1.8063-02	2.9176-01	2.7672+05	3.2522-03	7.1100-01
3	458.52	2.0213+01	3.3991+00	1.1381-02	3.3991+00	1.1381-02	1.5937-02	2.5741-01	2.4415+05	2.8697-03	1.3070+00
4	451.49	2.3191+01	3.8812+00	1.2922-02	3.8812+00	1.2922-02	1.8095-02	2.9227-01	2.7721+05	3.2574-03	1.6410+00
5	439.44	1.4942+01	2.5960+00	8.5606-03	2.5960+00	8.5606-03	1.1987-02	1.9362-01	1.8365+05	2.1570-03	1.7720+00
6	425.55	5.7346+00	9.2881-01	3.0295-03	9.2881-01	3.0295-03	4.2422-03	6.8521-02	6.4991+04	7.6292-04	2.4660+00
7	435.64	5.0348+00	8.1884-01	2.6921-03	8.1884-01	2.6921-03	3.7697-03	6.0889-02	5.7752+04	6.7821-04	3.0090+00
8	448.29	5.0592+00	8.2263-01	2.7318-03	8.2263-01	2.7318-03	3.8254-03	6.1788-02	5.8604+04	6.8856-04	3.3930+00
9	462.85	5.3304+00	8.7535-01	2.9411-03	8.7535-01	2.9411-03	4.1184-03	6.6521-02	6.3093+04	7.4173-04	3.7770+00
10	488.09	4.3984+00	7.3670-01	2.5268-03	7.3670-01	2.5268-03	3.5382-03	5.7150-02	5.4206+04	6.3789-04	5.3230+00
14	455.41	3.2306+01	5.4214+00	1.8106-02	5.4214+00	1.8106-02	2.5354-02	4.0953-01	3.8843+05	4.5651-03	1.0880+00
15	448.67	1.3557+01	2.2645+00	7.5224-03	2.2645+00	7.5224-03	1.0534-02	1.7014-01	1.6137+05	1.8961-03	1.3070+00
16	444.03	2.2486+01	3.7441+00	1.2391-02	3.7441+00	1.2391-02	1.7352-02	2.8027-01	2.6583+05	3.1228-03	1.6410+00
19	456.18	1.1738+01	1.7922+00	5.9892-03	1.7922+00	5.9892-03	8.3867-03	1.3546-01	1.2848+05	1.5101-03	4.1100-01
20	452.88	1.4963+01	2.3893+00	7.9637-03	2.3893+00	7.9637-03	1.1152-02	1.8012-01	1.7084+05	2.0076-03	7.1100-01
21	440.72	1.5418+01	2.4789+00	8.1826-03	2.4789+00	8.1826-03	1.1458-02	1.8507-01	1.7554+05	2.0618-03	1.0880+00
22	440.95	1.7304+01	2.7995+00	9.2425-03	2.7995+00	9.2425-03	1.2942-02	2.0905-01	1.9828+05	2.3289-03	1.3070+00
23	433.29	1.7579+01	2.7863+00	9.1433-03	2.7863+00	9.1433-03	1.2803-02	2.0680-01	1.9615+05	2.3032-03	1.6410+00
24	432.62	1.0203+00	1.6410-01	5.3823-04	1.6410-01	5.3823-04	7.5369-04	1.2174-02	1.1546+04	1.3558-04	3.0090+00
25	445.38	6.7221-01	1.0646-01	3.5273-04	1.0646-01	3.5273-04	4.9392-04	7.9779-03	7.5668+03	8.8895-05	3.3930+00
26	458.67	9.5896-01	1.5421-01	5.1638-04	1.5421-01	5.1638-04	7.2308-04	1.1679-02	1.1078+04	1.3021-04	3.7770+00
27	457.30	2.9389+01	4.7071+00	1.5745-02	4.7071+00	1.5745-02	2.2047-02	3.5611-01	3.3776+05	3.9699-03	7.1100-01
28	446.77	2.8253+01	4.5616+00	1.5130-02	4.5616+00	1.5130-02	2.1187-02	3.4221-01	3.2458+05	3.8133-03	1.0880+00
29	438.56	1.7016+01	2.7731+00	9.1380-03	2.7731+00	9.1380-03	1.2796-02	2.0668-01	1.9603+05	2.3024-03	1.3070+00
30	428.18	1.3294+01	2.1571+00	7.0504-03	2.1571+00	7.0504-03	9.8727-03	1.5947-01	1.5125+05	1.7757-03	1.6410+00
31	424.60	9.3236+00	1.5315+00	4.9916-03	1.5315+00	4.9916-03	6.9897-03	1.1290-01	1.0708+05	1.2570-03	1.7720+00
32	436.24	4.2634+00	6.9573-01	2.2884-03	6.9573-01	2.2884-03	3.2045-03	5.1759-02	4.9092+04	5.7653-04	2.4660+00
33	447.96	4.0478+00	6.6791-01	2.2174-03	6.6791-01	2.2174-03	3.1051-03	5.0154-02	4.7569+04	5.5890-04	3.0090+00
34	463.39	2.1783+00	3.4964-01	1.1752-03	3.4964-01	1.1752-03	1.6457-03	2.6582-02	2.5212+04	2.9640-04	3.3930+00
35	473.52	3.4546-01	5.4735-02	1.8550-04	5.4735-02	1.8550-04	2.5976-04	4.1957-03	3.9795+03	4.6803-05	3.7770+00
36	438.53	1.2187+01	1.9624+00	6.4665-03	1.9624+00	6.4665-03	9.0550-03	1.4626-01	1.3872+05	1.6293-03	1.3070+00
37	443.38	7.1408+00	1.1850+00	3.9198-03	1.1850+00	3.9198-03	5.4889-03	8.8657-02	8.4089+04	9.8780-04	2.4660+00
38	463.55	1.6982+00	2.7901-01	9.3795-04	2.7901-01	9.3795-04	1.3134-03	2.1215-02	2.0121+04	2.3656-04	3.0090+00
39	476.29	1.3143+00	2.1647-01	7.3530-04	2.1647-01	7.3530-04	1.0296-03	1.6631-02	1.5774+04	1.8554-04	3.3930+00
40	484.64	1.0286+00	1.6880-01	5.7731-04	1.6880-01	5.7731-04	8.0841-04	1.3058-02	1.2385+04	1.4572-04	3.7770+00
41	488.87	3.7922-01	6.1075-02	2.0961-04	6.1075-02	2.0961-04	2.9352-04	4.7411-03	4.4968+03	5.2919-05	4.1620+00
43	473.24	7.8390-01	1.3158-01	4.4582-04	1.3158-01	4.4582-04	6.2428-04	1.0084-02	9.5640+03	1.1248-04	5.3230+00
47	443.09	6.7455+00	1.0798+00	3.5709-03	1.0798+00	3.5709-03	5.0004-03	8.0767-02	7.6606+04	8.9988-04	7.1100-01
48	447.24	2.5495+01	4.1674+00	1.3828-02	4.1674+00	1.3828-02	1.9363-02	3.1275-01	2.9664+05	3.4851-03	1.0880+00
49	436.04	1.5805+01	2.5789+00	8.4812-03	2.5789+00	8.4812-03	1.1876-02	1.9183-01	1.8194+05	2.1367-03	1.3070+00
50	430.68	1.1351+01	1.8560+00	6.0783-03	1.8560+00	6.0783-03	8.5114-03	1.3748-01	1.3039+05	1.5310-03	1.6410+00
51	432.18	8.1268+00	1.3420+00	4.4002-03	1.3420+00	4.4002-03	6.1616-03	9.9524-02	9.4395+04	1.1084-03	1.7720+00
52	445.07	1.4665+00	2.4436-01	8.0939-04	2.4436-01	8.0939-04	1.1334-03	1.8307-02	1.7363+04	2.0398-04	2.4660+00
53	470.58	1.3709+00	2.2630-01	7.6512-04	2.2630-01	7.6512-04	1.0714-03	1.7305-02	1.6414+04	1.9302-04	3.0090+00
54	483.51	1.8655+00	3.0685-01	1.0495-03	3.0685-01	1.0485-03	1.4682-03	2.3715-02	2.2493+04	2.6464-04	3.3930+00
55	490.03	1.7325+00	2.8097-01	9.6524-04	2.8097-01	9.6524-04	1.3516-03	2.1832-02	2.0707+04	2.4370-04	3.7770+00
56	447.80	1.6525+00	2.5327-01	8.4075-04	2.5327-01	8.4075-04	1.1773-03	1.9016-02	1.8036+04	2.1191-04	4.1100-01
57	443.69	5.7205+00	9.1051-01	3.0126-03	9.1051-01	3.0126-03	4.2186-03	6.8139-02	6.4628+04	7.5920-04	7.1100-01
58	437.45	8.7855+00	1.4264+00	4.6961-03	1.4264+00	4.6961-03	6.5760-03	1.0622-01	1.0074+05	1.1832-03	1.0880+00
59	438.46	1.3369+01	2.1786+00	7.1785-03	2.1786+00	7.1785-03	1.0052-02	1.6236-01	1.5400+05	1.8087-03	1.3070+00
60	434.00	9.3361+00	1.5211+00	4.9946-03	1.5211+00	4.9946-03	6.9939-03	1.1297-01	1.0715+05	1.2582-03	1.6410+00
61	474.03	1.1377+00	1.8766-01	6.3628-04	1.8766-01	6.3628-04	8.9098-04	1.4391-02	1.3650+04	1.6054-04	3.0090+00
62	486.58	8.4571-01	1.3939-01	4.7750-04	1.3939-01	4.7750-04	6.6864-04	1.0800-02	1.0244+04	1.2054-04	3.3930+00
63	490.76	6.3948-01	1.0376-01	3.5667-04	1.0376-01	3.5667-04	4.9944-04	8.0671-03	7.6514+03	9.0051-05	3.7770+00
64	435.04	6.8509+00	1.1336+00	3.7252-03	1.1336+00	3.7252-03	5.2164-03	8.4257-02	7.9915+04	9.3846-04	1.0880+00
65	430.10	5.9065+00	9.7397-01	3.1882-03	9.7397-01	3.1882-03	4.4644-03	7.2110-02	6.8394+04	8.0301-04	1.3070+00
66	432.83	7.4706+00	1.2343+00	4.0489-03	1.2343+00	4.0489-03	5.6696-03	9.1577-02	8.6858+04	1.0199-03	1.6410+00
69	451.00	1.2374+00	2.0702-01	6.8899-04	2.0702-01	6.8899-04	9.6479-04	1.5583-02	1.4780+04	1.7368-04	4.1100-01
70	448.62	2.0156-01	3.3667-02	1.1183-04	3.3667-02	1.1183-04	1.5660-04	2.5294-03	2.3991+03	2.8188-05	7.1100-01
71	435.16	1.0234+00	1.6886-01	5.5494-04	1.6886-01	5.5494-04	7.7708-04	1.2552-02	1.1905+04	1.3980-04	1.3070+00
72	434.78	1.4930+00	2.4700-01	8.1150-04	2.4700-01	8.1150-04	1.1363-03	1.8354-02	1.7409+04	2.0443-04	1.6410+00
73	463.44	1.0218+00	1.6585-01	5.5751-04	1.6585-01	5.5751-04	7.8068-04	1.2610-02	1.1960+04	1.4061-04	3.7770+00
74	452.98	1.3268+00	2.1707-01	7.2358-04	2.1707-01	7.2358-04	1.0132-03	1.6366-02	1.5523+04	1.8241-04	3.3230+00
77	431.74	4.8213+00	7.8896-01	2.5859-03	7.8896-01	2.5859-03	3.6210-03	5.8487-02	5.5474+04	6.5136-04	3.0090+00
78	446.95	3.7886+00	6.1916-01	2.0539-03	6.1916-01	2.0539-03	2.8761-03	4.6456-02	4.4062+04	5.1767-04	3.3930+00
79	460.82	2.4561+00	3.9795-01	1.3349-03	3.9795-01	1.3349-03	1.8692-03	3.0192-02	2.8636+04	3.3662-04	3.7770+00
80	427.18	5.6104+00	9.2594-01	3.0240-03	9.2594-01	3.0240-03	4.2345-03	6.8397-02	6.4873+04	7.6158-04	2.4660+00
81	436.60	4.0384+00	6.6310-01	2.1817-03	6.6310-01	2.1817-03	3.0551-03	4.9346-02	4.6803+04	5.4965-04	3.0090+00
82	448.61	3.5896+00	5.8906-01	1.9567-03	5.8906-01	1.9567-03	2.7399-03	4.4256-02	4.1976+04	4.9319-04	3.3930+00
83	462.93	3.5590+00	5.8448-01	1.9639-03	5.8448-01	1.9639-03	2.7501-03	4.4419-02	4.2131+04	4.9529-04	3.7770+00
337	467.96	1.2142+01	2.2532+00	7.6020-03	2.2532+00	7.6020-03	1.0645-02	1.7194-01	1.6308+05	1.9176-03	7.1680+00
339	485.77	8.7782+00	1.6834+00	5.7628-03	1.6834+00	5.7628-03	8.0696-03	1.3034-01	1.2363+05	1.4547-03	8.1130+00
340	490.13	3.2945+00	6.2037-01	2.1314-03	6.2037-01	2.1314-03	2.9845-03	4.8207-02	4.5723+04	5.3811-04	8.6180+00
342	461.11	9.2925+00	1.7714+00	5.9433-03	1.7714+00	5.9433-03	8.3223-03	1.3442-01	1.2750+05	1.4988-03	7.1680+00
344	471.57	6.0956+00	1.1641+00	3.9390-03	1.1641+00	3.9390-03	5.5158-03	8.9092-02	8.4501+04	9.9375-04	8.1130+00
347	467.14	5.6613+00	1.0500+00	3.5401-03	1.0500+00	3.5401-03	4.9572-03	8.0069-02	7.5943+04	8.9295-04	7.1680+00
349	462.46	3.1725+00	6.0061-01	2.0173-03	6.0061-01	2.0173-03	2.8249-03	4.5628-02	4.3277+04	5.0876-04	8.1130+00
350	465.39	6.9195-01	1.2100-01	4.0739-04	1.2100-01	4.0739-04	5.7047-04	9.2144-03	8.7396+03	1.0275-04	8.6180+00
352	470.39	6.1558-01	1.1167-01	3.7750-04	1.1167-01	3.7750-04	5.2862-04	8.5383-03	8.0984+03	9.5234-05	7.1680+00
354	470.58	1.2774+00	2.4252-01	8.1997-04	2.4252-01	8.1997-04	1.1482-03	1.8546-02	1.7590+04	2.0686-04	8.1130+00
357	480.65	2.1979+00	4.0034-01	1.3647-03	4.0034-01	1.3647-03	1.9110-03	3.0868-02	2.9277+04	3.4443-04	7.1680+00
359	485.55	2.3397+00	4.1935-01	1.4353-03	4.1935-01	1.4353-03	2.0098-03	3.2463-02	3.0790+04	3.6230-04	8.1130+00
401	478.84	4.0363+01	3.4000+00	1.1573-02	3.4000+00	1.1573-02	1.6206-02	2.6176-01	2.4827+05	2.9206-03	4.5500-01
403	458.05	1.4897+01	1.2229+00	4.0928-03	1.2229+00	4.0928-03	5.7311-03	9.2570-02	8.7800+04	1.0320-03	6.8600-01
404	461.73	2.1090+01	1.7460+00	5.8610-03	1.7460+00	5.8610-03	8.2072-03	1.3256-01	1.2573+05	1.4781-03	8.0100-01
405	469.90	3.4627+01	2.8653+00	9.6821-03	2.8653+00	9.6821-03	1.3558-02	2.1899-01	2.0770+05	2.4425-03	1.0510+00
406	463.42	3.6944+01	3.0620+00	1.0293-02	3.0620+00	1.0293-02	1.4413-02	2.3280-01	2.2080+05	2.5959-03	1.1670+00
407	463.85	4.0285+01	3.3995+00	1.1431-02	3.3995+00	1.1431-02	1.6007-02	2.5855-01	2.4523+05	2.8830-03	1.2830+00
408	460.04	1.7161+01	1.3937+00	4.6722-03	1.3937+00	4.6722-03	6.5425-03	1.0568-01	1.0023+05	1.1782-03	5.1300-01
409	444.02	2.1964+00	1.7965-01	5.9455-04	1.7965-01	5.9455-04	8.3255-04	1.3447-02	1.2755+04	1.4983-04	5.7000-01
410	454.91	9.7870+00	7.7770-01	2.5963-03	7.7770-01	2.5963-03	3.6356-03	5.8724-02	5.5698+04	6.5458-04	6.2800-01
411	445.06	7.6208+00	2.1451-01	7.1053-04	2.1451-01	7.1053-04	9.9496-04	1.6071-02	1.5243+04	1.7907-04	6.8600-01
412	470.84	1.4301+01	1.1841+00	4.0044-03	1.1841+00	4.0044-03	5.6074-03	9.0571-02	8.5904+04	1.0102-03	7.4400-01
413	443.29	3.7673+00	3.0981-01	1.0247-03	3.0981-01	1.0247-03	1.4350-03	2.3178-02	2.1983+04	2.5824-04	8.0100-01
414	463.39	2.5980+01	2.1404+00	7.1946-03	2.1404+00	7.1946-03	1.0075-02	1.6273-01	1.5434+05	1.8145-03	8.5900-01
415	443.25	4.3372+00	3.5456-01	1.1727-03	3.5456-01	1.1727-03	1.6422-03	2.6524-02	2.5158+04	2.9553-04	9.1700-01
416	461.61	1.3986+01	1.0751+00	3.6085-03	1.0751+00	3.6085-03	5.0529-03	8.1616-02	7.7411+04	9.1000-04	5.7000-01
417	466.93	3.2714+01	2.7016+00	9.1070-03	2.7016+00	9.1070-03	1.2753-02	2.0598-01	1.9537+05	2.2971-03	1.0520+00

49 1 -3.03 -15.03 .00 -.06 402 11 2.40 10.04 217.5 1643.3

8.03409+01 4.81891-03 3.40090-01 4.40999+03 5.03239-06 6.50761-08 2.86104-02 7.72000+00 6.68238-06 7.51809-02

1	456.22	9.0468+00	1.5190+00	5.0772-03	1.5190+00	5.0772-03	7.1107-03	1.1484-01	1.0889+05	1.2796-03	4.1100-01
2	461.05	2.3143+01	3.8986+00	1.3082-02	3.8986+00	1.3082-02	1.8321-02	2.9588-01	2.8057+05	3.2975-03	7.1100-01
3	463.54	2.0249+01	3.4168+00	1.1488-02	3.4168+00	1.1488-02	1.6089-02	2.5984-01	2.4639+05	2.8961-03	1.3070+00
4	457.29	2.3356+01	3.9244+00	1.3129-02	3.9244+00	1.3129-02	1.8387-02	2.9695-01	2.8157+05	3.3089-03	1.6410+00
5	443.14	1.4782+01	2.5748+00	8.5169-03	2.5748+00	8.5169-03	1.1928-02	1.9264-01	1.8266+05	2.1453-03	1.7720+00
6	427.01	5.8966+00	9.5604-01	3.1224-03	9.5604-01	3.1224-03	4.3729-03	7.0622-02	6.6966+04	7.8601-04	2.4660+00
7	436.90	5.0021+00	8.1423-01	2.6800-03	8.1423-01	2.6800-03	3.7534-03	6.0617-02	5.7478+04	6.7491-04	3.0090+00
8	449.56	4.9787+00	8.1025-01	2.6939-03	8.1025-01	2.6939-03	3.7727-03	6.0930-02	5.7775+04	6.7873-04	3.3930+00
9	464.19	5.2873+00	8.6905-01	2.9235-03	8.6905-01	2.9235-03	4.0944-03	6.6125-02	6.2701+04	7.3702-04	3.7770+00
10	489.20	4.4109+00	7.3932-01	2.5385-03	7.3932-01	2.5385-03	3.5552-03	5.7416-02	5.4444+04	6.4059-04	5.3230+00
14	463.40	3.1237+01	5.2703+00	1.7718-02	5.2703+00	1.7718-02	2.4814-02	4.0075-01	3.8000+05	4.4666-03	1.0880+00
15	451.92	1.3319+01	2.2298+00	7.4274-03	2.2298+00	7.4274-03	1.0402-02	1.6799-01	1.5929+05	1.8715-03	1.3070+00
16	449.59	2.2139+01	3.7004+00	1.2303-02	3.7004+00	1.2303-02	1.7230-02	2.7827-01	2.6386+05	3.0998-03	1.6410+00
19	459.14	1.1549+01	1.7668+00	5.9194-03	1.7668+00	5.9194-03	8.2901-03	1.3388-01	1.2695+05	1.4920-03	4.1100-01
20	456.55	1.5528+01	2.4858+00	8.3111-03	2.4858+00	8.3111-03	1.1640-02	1.8798-01	1.7825+05	2.0946-03	7.1100-01
21	444.42	1.5015+01	2.4203+00	8.0138-03	2.4203+00	8.0138-03	1.1223-02	1.8126-01	1.7187+05	2.0187-03	1.0880+00
22	445.22	1.6909+01	2.7435+00	9.0901-03	2.7435+00	9.0901-03	1.2731-02	2.0560-01	1.9496+05	2.2899-03	1.3070+00
23	437.66	1.7527+01	2.7866+00	9.1775-03	2.7866+00	9.1775-03	1.2853-02	2.0758-01	1.9683+05	2.3112-03	1.6410+00
24	432.87	1.0291+00	1.6555-01	5.4318-04	1.6555-01	5.4318-04	7.6072-04	1.2286-02	1.1650+04	1.3677-04	3.0090+00
25	445.55	7.2208-01	1.1437-01	3.7905-04	1.1437-01	3.7905-04	5.3086-04	8.5733-03	8.1295+03	9.5488-05	3.3930+00
26	458.90	9.9065-01	1.5933-01	5.3371-04	1.5933-01	5.3371-04	7.4746-04	1.2071-02	1.1446+04	1.3452-04	3.7770+00
27	465.08	3.0689+01	4.9413+00	1.6635-02	4.9413+00	1.6635-02	2.3297-02	3.7624-01	3.5676+05	4.1937-03	7.1100-01
28	453.73	2.8005+01	4.5432+00	1.5155-02	4.5432+00	1.5155-02	2.1225-02	3.4278-01	3.2504+05	3.8191-03	1.0880+00
29	442.79	1.6821+01	2.7493+00	9.0914-03	2.7493+00	9.0914-03	1.2733-02	2.0563-01	1.9498+05	2.2900-03	1.3070+00
30	431.47	1.3142+01	2.1375+00	7.0055-03	2.1375+00	7.0055-03	9.8112-03	1.5845-01	1.5025+05	1.7638-03	1.6410+00
31	426.91	9.3242+00	1.5341+00	5.0098-03	1.5341+00	5.0098-03	7.0163-03	1.1331-01	1.0745+05	1.2611-03	1.7720+00
32	437.31	4.2519+00	6.9438-01	2.2863-03	6.9438-01	2.2863-03	3.2019-03	5.1711-02	4.9034+04	5.7576-04	2.4660+00
33	448.96	4.0717+00	6.7231-01	2.2342-03	6.7231-01	2.2342-03	3.1290-03	5.0532-02	4.7916+04	5.6289-04	3.0090+00
34	463.93	2.1907+00	3.6001-01	1.2108-03	3.6001-01	1.2108-03	1.6958-03	2.7387-02	2.5969+04	3.0525-04	3.3930+00
35	473.60	3.4909-01	5.5314-02	1.8751-04	5.5314-02	1.8751-04	2.6261-04	4.2411-03	4.0215+03	4.7288-05	3.7770+00
36	441.53	1.1991+01	1.9349+00	6.3920-03	1.9349+00	6.3920-03	8.9520-03	1.4457-01	1.3709+05	1.6100-03	1.3070+00
37	445.22	7.4073+00	1.2308+00	4.0779-03	1.2308+00	4.0779-03	5.7110-03	9.2233-02	8.7458+04	1.0273-03	2.4660+00
38	463.98	1.7086+00	2.8079-01	9.4444-04	2.8079-01	9.4444-04	1.3227-03	2.1361-02	2.0255+04	2.3809-04	3.0090+00
39	476.61	9.6207-01	1.5849-01	5.3859-04	1.5849-01	5.3859-04	7.5429-04	1.2182-02	1.1551+04	1.3584-04	3.3930+00
40	484.89	1.0358+00	1.7002-01	5.8171-04	1.7002-01	5.8171-04	8.1469-04	1.3157-02	1.2476+04	1.4677-04	3.7770+00
41	488.97	3.6935-01	5.9489-02	2.0422-04	5.9489-02	2.0422-04	2.8601-04	4.6191-03	4.3799+03	5.1534-05	4.1620+00
43	473.41	7.2779-01	1.2217-01	4.1409-04	1.2217-01	4.1409-04	5.7993-04	9.3658-03	8.8809+03	1.0443-04	5.3230+00
47	444.75	6.5543+00	1.0504+00	3.4788-03	1.0504+00	3.4788-03	4.8721-03	7.8684-02	7.4610+04	8.7633-04	7.1100-01
48	453.51	2.5045+01	4.1115+00	1.3713-02	4.1115+00	1.3713-02	1.9205-02	3.1016-01	2.9410+05	3.4555-03	1.0880+00
49	439.93	1.5636+01	2.5581+00	8.4402-03	2.5581+00	8.4402-03	1.1820-02	1.9090-01	1.8102+05	2.1257-03	1.3070+00
50	433.53	1.1388+01	1.8659+00	6.1252-03	1.8659+00	6.1252-03	8.5784-03	1.3854-01	1.3137+05	1.5423-03	1.6410+00
51	434.20	8.0966+00	1.3390+00	4.3978-03	1.3390+00	4.3978-03	6.1591-03	9.9469-02	9.4319+04	1.1074-03	1.7720+00
52	445.44	1.4888+00	2.4814-01	8.2230-04	2.4814-01	8.2230-04	1.1516-03	1.8599-02	1.7636+04	2.0715-04	2.4660+00
53	470.95	1.3678+00	2.2564-01	7.6391-04	2.2584-01	7.6391-04	1.0699-03	1.7278-02	1.6384+04	1.9263-04	3.0090+00
54	483.98	1.8971+00	3.1216-01	1.0672-03	3.1216-01	1.0672-03	1.4946-03	2.4138-02	2.2888+04	2.6925-04	3.3930+00
55	490.49	1.7460+00	2.8325-01	9.7358-04	2.8325-01	9.7358-04	1.3635-03	2.2020-02	2.0880+04	2.4569-04	3.7770+00
56	448.09	1.7205+00	2.6376-01	8.7590-04	2.6376-01	8.7590-04	1.2267-03	1.9811-02	1.8785+04	2.2067-04	4.1100-01
57	445.10	5.6223+00	8.9576-01	2.9676-03	8.9576-01	2.9676-03	4.1561-03	6.7121-02	6.3646+04	7.4756-04	7.1100-01
58	439.66	8.9938+00	1.4624+00	4.8241-03	1.4624+00	4.8241-03	6.7562-03	1.0911-01	1.0346+05	1.2150-03	1.0880+00
59	441.79	1.3207+01	2.1572+00	7.1278-03	2.1572+00	7.1278-03	9.9825-03	1.6122-01	1.5287+05	1.7953-03	1.3070+00
60	436.32	9.3101+00	1.5194+00	4.9987-03	1.5194+00	4.9987-03	7.0007-03	1.1306-01	1.0721+05	1.2588-03	1.6410+00
61	474.34	1.1595+00	1.9130-01	6.4888-04	1.9130-01	6.4888-04	9.0875-04	1.4676-02	1.3916+04	1.6365-04	3.0090+00
62	486.79	8.3065-01	1.3693-01	4.6922-04	1.3693-01	4.6922-04	6.5714-04	1.0613-02	1.0063+04	1.1839-04	3.3930+00
63	490.93	6.3429-01	1.0293-01	3.5392-04	1.0293-01	3.5392-04	4.9566-04	8.0049-03	7.5905+03	8.9317-05	3.7770+00
64	436.73	6.7969+00	1.1260+00	3.7058-03	1.1260+00	3.7058-03	5.1899-03	8.3816-02	7.9477+04	9.3321-04	1.0880+00
65	431.58	5.8665+00	9.6838-01	3.1740-03	9.6838-01	3.1740-03	4.4452-03	7.1790-02	6.8074+04	7.9915-04	1.3070+00
66	434.69	7.4670+00	1.2353+00	4.0587-03	1.2353+00	4.0587-03	5.6842-03	9.1800-02	8.7048+04	1.0220-03	1.6410+00
69	451.30	1.2509+00	2.0933-01	6.9693-04	2.0933-01	6.9693-04	9.7605-04	1.5763-02	1.4947+04	1.7561-04	4.1100-01
70	448.66	2.0935-01	3.4970-02	1.1618-04	3.4970-02	1.1618-04	1.6271-04	2.6278-03	2.4917+03	2.9271-05	7.1100-01
71	435.38	9.1584-01	1.5114-01	4.9687-04	1.5114-01	4.9687-04	6.9586-04	1.1238-02	1.0656+04	1.2512-04	1.3070+00
72	435.13	1.4779+00	2.4457-01	8.0386-04	2.4457-01	8.0386-04	1.1258-03	1.8187-02	1.7240+04	2.0242-04	1.6410+00
73	463.68	9.4961-01	1.5416-01	5.1838-04	1.5416-01	5.1838-04	7.2599-04	1.1725-02	1.1118+04	1.3068-04	3.7770+00
74	453.30	1.2613+00	2.0641-01	6.8831-04	2.0641-01	6.8831-04	9.6398-04	1.5568-02	1.4762+04	1.7345-04	5.3230+00
77	432.93	4.7766+00	7.8230-01	2.5669-03	7.8230-01	2.5669-03	3.5949-03	5.8057-02	5.5052+04	6.4631-04	3.0090+00
78	447.91	3.7719+00	6.1685-01	2.0482-03	6.1685-01	2.0482-03	2.8684-03	4.6325-02	4.3927+04	5.1601-04	3.3930+00
79	461.42	2.4868+00	4.0308-01	1.3530-03	4.0308-01	1.3530-03	1.8948-03	3.0601-02	2.9017+04	3.4104-04	3.7770+00
80	428.60	5.7901+00	9.5656-01	3.1280-03	9.5656-01	3.1280-03	4.3807-03	7.0749-02	6.7086+04	7.8747-04	2.4660+00
81	437.59	4.0229+00	6.6100-01	2.1768-03	6.6100-01	2.1768-03	3.0487-03	4.9235-02	4.6687+04	5.4820-04	3.0090+00
82	449.53	3.7206+00	6.1084-01	2.0308-03	6.1084-01	2.0308-03	2.8442-03	4.5933-02	4.3555+04	5.1168-04	3.3930+00
83	463.82	3.5184+00	5.7817-01	1.9444-03	5.7817-01	1.9444-03	2.7232-03	4.3979-02	4.1702+04	4.9018-04	3.7770+00
337	471.02	1.2111+01	2.2519+00	7.6177-03	2.2519+00	7.6177-03	1.0669-02	1.7230-01	1.6338+05	1.9209-03	7.1680+00
339	487.97	8.8203+00	1.6939+00	5.8103-03	1.6939+00	5.8103-03	8.1373-03	1.3142-01	1.2461+05	1.4661-03	8.1130+00
340	490.96	3.3169+00	6.2491-01	2.1488-03	6.2491-01	2.1488-03	3.0094-03	4.8601-02	4.6085+04	5.4228-04	8.6180+00
342	463.46	9.3244+00	1.7812+00	5.9886-03	1.7812+00	5.9886-03	8.3870-03	1.3545-01	1.2844+05	1.5097-03	7.1680+00
344	473.07	6.0421+00	1.1550+00	3.9138-03	1.1550+00	3.9138-03	5.4812-03	8.8521-02	8.3939+04	9.8700-04	8.1130+00
347	468.57	5.7143+00	1.0608+00	3.5813-03	1.0608+00	3.5813-03	5.0156-03	8.1002-02	7.6809+04	9.0300-04	7.1680+00
349	463.23	3.0447+00	5.7672-01	1.9386-03	5.7672-01	1.9386-03	2.7150-03	4.3847-02	4.1577+04	4.8870-04	8.1130+00
350	465.55	6.9974-01	1.2238-01	4.1215-04	1.2238-01	4.1215-04	5.7721-04	9.3219-03	8.8393+03	1.0391-04	8.6180+00
352	470.53	5.8078-01	1.0537-01	3.5629-04	1.0537-01	3.5629-04	4.9899-04	8.0586-03	7.6414+03	8.9843-05	7.1680+00
354	470.88	1.2286+00	2.3330-01	7.8911-04	2.3330-01	7.8911-04	1.1052-03	1.7848-02	1.6924+04	1.9899-04	8.1130+00
357	481.15	2.0649+00	3.7625-01	1.2833-03	3.7625-01	1.2833-03	1.7973-03	2.9026-02	2.7524+04	3.2374-04	7.1680+00
359	486.09	2.3169+00	4.1540-01	1.4226-03	4.1540-01	1.4226-03	1.9924-03	3.2177-02	3.0511+04	3.5896-04	8.1130+00
401	488.59	3.7781+01	3.2029+00	1.0992-02	3.2029+00	1.0992-02	1.5394-02	2.4861-01	2.3574+05	2.7737-03	4.5530-01
403	461.67	1.4115+01	1.1616+00	3.8996-03	1.1616+00	3.8996-03	5.4614-03	8.8202-02	8.3635+04	9.8299-04	6.8600-01
404	466.89	2.0595+01	1.7109+00	5.7682-03	1.7109+00	5.7682-03	8.0784-03	1.3046-01	1.2371+05	1.4543-03	8.0100-01
405	478.22	3.2784+01	2.7278+00	9.2820-03	2.7278+00	9.2820-03	1.2999-02	2.0994-01	1.9907+05	2.3413-03	1.0510+00
406	472.47	3.5318+01	2.9450+00	9.9740-03	2.9450+00	9.9740-03	1.3969-02	2.2559-01	2.1391+05	2.5152-03	1.1670+00
407	473.60	3.7970+01	3.2251+00	1.0933-02	3.2251+00	1.0933-02	1.5311-02	2.4727-01	2.3447+05	2.7571-03	1.2830+00
408	464.42	1.7472+01	1.4232+00	4.7887-03	1.4232+00	4.7887-03	6.7066-03	1.0831-01	1.0270+05	1.2072-03	5.1300-01
409	444.60	2.4644+00	2.0165-01	6.6779-04	2.0165-01	6.6779-04	9.3524-04	1.5104-02	1.4322+04	1.6822-04	5.7000-01
410	457.48	1.0497+01	8.3559-01	2.7958-03	8.3559-01	2.7958-03	3.9155-03	6.3235-02	5.9962+04	7.0463-04	6.2800-01
411	445.74	2.8920+00	2.3682-01	7.8497-04	2.3682-01	7.8497-04	1.0994-03	1.7754-02	1.6835+04	1.9775-04	6.8600-01
412	474.52	1.5033+01	1.2477+00	4.2328-03	1.2477+00	4.2328-03	5.9281-03	9.5738-02	9.0781+04	1.0675-03	7.4400-01
413	444.22	4.0010+00	3.2925-01	1.0900-03	3.2925-01	1.0900-03	1.5266-03	2.4654-02	2.3378+04	2.7458-04	8.0100-01
414	469.97	2.5967+01	2.1488+00	7.2625-03	2.1488+00	7.2625-03	1.0171-02	1.6426-01	1.5576+05	1.8313-03	8.5900-01
415	444.40	4.7543+00	3.8897-01	1.2879-03	3.8897-01	1.2879-03	1.8037-03	2.9130-02	2.7622+04	3.2443-04	9.1700-01
416	465.09	1.3944+01	1.0744+00	3.6169-03	1.0744+00	3.6169-03	5.0655-03	8.1808-02	7.7573+04	9.1186-04	5.7000-01
417	475.11	3.2101+01	2.6655+00	9.0468-03	2.6655+00	9.0468-03	1.2670-02	2.0462-01	1.9403+05	2.2817-03	1.0520+00

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8.03409+01 4.81891-03 3.40090-01 4.40999+03 5.03239-06 6.50761-08 2.86104-02 7.72000+00 6.68238-06 7.51809-02

1	458.52	9.1683+00	1.5418+00	5.1613-03	1.5418+00	5.1613-03	7.2284-03	1.1674-01	1.1070+05	1.3013-03	4.1100-01
2	466.91	2.3171+01	3.9187+00	1.3208-02	3.9187+00	1.3208-02	1.8497-02	2.9873-01	2.8326+05	3.3310-03	7.1100-01
3	468.57	2.0138+01	3.4094+00	1.1507-02	3.4094+00	1.1507-02	1.6115-02	2.6026-01	2.4678+05	2.9022-03	1.3070+00
4	463.17	2.3481+01	3.9610+00	1.3310-02	3.9610+00	1.3310-02	1.8640-02	3.0104-01	2.8546+05	3.3563-03	1.6410+00
5	446.83	1.4401+01	2.5148+00	8.3402-03	2.5148+00	8.3402-03	1.1680-02	1.8864-01	1.7887+05	2.1018-03	1.7720+00
6	428.51	6.0436+00	9.8091-01	3.2064-03	9.8091-01	3.2064-03	4.4905-03	7.2522-02	6.8767+04	8.0745-04	2.4660+00
7	438.15	4.9153+00	8.0080-01	2.6376-03	8.0080-01	2.6376-03	3.6939-03	5.9657-02	5.6568+04	6.6446-04	3.0090+00
8	450.79	4.5496+00	7.4104-01	2.4654-03	7.4104-01	2.4654-03	3.4528-03	5.5762-02	5.2875+04	6.2139-04	3.3930+00
9	465.50	5.2031+00	8.5597-01	2.8817-03	8.5597-01	2.8817-03	4.0358-03	6.5177-02	6.1803+04	7.2673-04	3.7770+00
10	490.31	4.3849+00	7.3550-01	2.5269-03	7.3550-01	2.5269-03	3.5389-03	5.7153-02	5.4194+04	6.3789-04	5.3230+00
14	471.06	3.0112+01	5.1066+00	1.7269-02	5.1066+00	1.7269-02	2.4186-02	3.9059-01	3.7037+05	4.3561-03	1.0880+00
15	455.23	1.3483+01	2.2623+00	7.5535-03	2.2623+00	7.5535-03	1.0579-02	1.7084-01	1.6200+05	1.9042-03	1.3070+00
16	455.04	2.1944+01	3.6816+00	1.2290-02	3.6816+00	1.2290-02	1.7212-02	2.7798-01	2.6359+05	3.0982-03	1.6410+00
19	461.98	1.1116+01	1.7039+00	5.7200-03	1.7039+00	5.7200-03	8.0109-03	1.2938-01	1.2268+05	1.4423-03	4.1100-01
20	460.62	1.6652+01	2.6731+00	8.9636-03	2.6731+00	8.9636-03	1.2553-02	2.0274-01	1.9224+05	2.2601-03	7.1100-01
21	448.15	1.4628+01	2.3639+00	7.8482-03	2.3639+00	7.8482-03	1.0991-02	1.7751-01	1.6832+05	1.9779-03	1.0880+00
22	449.41	1.6464+01	2.6792+00	8.9036-03	2.6792+00	8.9036-03	1.2470-02	2.0138-01	1.9096+05	2.2440-03	1.3070+00
23	442.02	1.7452+01	2.7831+00	9.1949-03	2.7831+00	9.1949-03	1.2877-02	2.0797-01	1.9720+05	2.3167-03	1.6410+00
24	433.13	1.0270+00	1.6525-01	5.4212-04	1.6525-01	5.4212-04	7.5924-04	1.2262-02	1.1627+04	1.3654-04	3.0090+00
25	445.72	7.2987-01	1.1562-01	3.8312-04	1.1562-01	3.8312-04	5.3655-04	8.6653-03	8.2167+03	9.6543-05	3.3930+00
26	459.19	1.0296+00	1.6563-01	5.5475-04	1.6563-01	5.5475-04	7.7693-04	1.2547-02	1.1898+04	1.3987-04	3.7770+00
27	472.83	3.0658+01	4.9619+00	1.6804-02	4.9619+00	1.6804-02	2.3534-02	3.8007-01	3.6040+05	4.2391-03	7.1100-01
28	460.72	2.7945+01	4.5551+00	1.5276-02	4.5551+00	1.5276-02	2.1394-02	3.4551-01	3.2762+05	3.8517-03	1.0880+00
29	446.98	1.6289+01	2.6701+00	8.8564-03	2.6701+00	8.8564-03	1.2403-02	2.0031-01	1.8994+05	2.2319-03	1.3070+00
30	434.73	1.3093+01	2.1344+00	7.0110-03	2.1344+00	7.0110-03	9.8189-03	1.5857-01	1.5036+05	1.7660-03	1.6410+00
31	429.24	9.3122+00	1.5346+00	5.0193-03	1.5346+00	5.0193-03	7.0295-03	1.1353-01	1.0765+05	1.2640-03	1.7720+00
32	438.37	4.3127+00	7.0483-01	2.3219-03	7.0483-01	2.3219-03	3.2518-03	5.2516-02	4.9797+04	5.8493-04	2.4660+00
33	449.98	4.0618+00	6.7115-01	2.2314-03	6.7115-01	2.2314-03	3.1251-03	5.0471-02	4.7858+04	5.6241-04	3.0090+00
34	464.49	2.1455+00	3.5271-01	1.1865-03	3.5271-01	1.1865-03	1.6616-03	2.6835-02	2.5446+04	2.9920-04	3.3930+00
35	473.72	4.2390-01	6.7172-02	2.2765-04	6.7172-02	2.2765-04	3.1883-04	5.1491-03	4.8825+03	5.7431-05	3.7770+00
36	444.53	1.1876+01	1.9203+00	6.3570-03	1.9203+00	6.3570-03	8.9030-03	1.4378-01	1.3634+05	1.6019-03	1.3070+00
37	447.17	7.5673+00	1.2590+00	4.1767-03	1.2590+00	4.1767-03	5.8494-03	9.4467-02	8.9577+04	1.0526-03	2.4660+00
38	464.41	1.6904+00	2.7789-01	9.3469-04	2.7789-01	9.3469-04	1.3090-03	2.1141-02	2.0046+04	2.3571-04	3.0090+00
39	476.85	1.0935+00	1.8017-01	6.1218-04	1.8017-01	6.1218-04	8.5736-04	1.3846-02	1.3129+04	1.5446-04	3.3930+00
40	485.15	9.7299-01	1.5973-01	5.4644-04	1.5973-01	5.4644-04	7.6529-04	1.2359-02	1.1719+04	1.3792-04	3.7770+00
41	489.06	3.3818-01	5.4472-02	1.8695-04	5.4472-02	1.8695-04	2.6182-04	4.2284-03	4.0095+03	4.7192-05	4.1620+00
43	473.61	8.0416-01	1.3501-01	4.5752-04	1.3501-01	4.5752-04	6.4075-04	1.0348-02	9.8124+03	1.1542-04	5.3230+00
47	446.37	6.3823+00	1.0240+00	3.3947-03	1.0240+00	3.3947-03	4.7542-03	7.6781-02	7.2806+04	8.5546-04	7.1100-01
48	459.71	2.4804+01	4.0891+00	1.3702-02	4.0891+00	1.3702-02	1.9190-02	3.0991-01	2.9387+05	3.4548-03	1.0880+00
49	443.83	1.5614+01	2.5615+00	8.4747-03	2.5615+00	8.4747-03	1.1869-02	1.9168-01	1.8176+05	2.1354-03	1.3070+00
50	436.39	1.1368+01	1.8663+00	6.1384-03	1.8663+00	6.1384-03	8.5968-03	1.3884-01	1.3165+05	1.5463-03	1.6410+00
51	436.23	8.0613+00	1.3350+00	4.3904-03	1.3350+00	4.3904-03	6.1488-03	9.9302-02	9.4162+04	1.1060-03	1.7720+00
52	445.82	1.5091+00	2.5158-01	8.3369-04	2.5158-01	8.3369-04	1.1676-03	1.8856-02	1.7880+04	2.1009-04	2.4660+00
53	471.28	1.4042+00	2.3190-01	7.8436-04	2.3190-01	7.8436-04	1.0985-03	1.7741-02	1.6822+04	1.9785-04	3.0090+00
54	484.44	1.8800+00	3.0943-01	1.0579-03	3.0943-01	1.0579-03	1.4816-03	2.3928-02	2.2690+04	2.6700-04	3.3930+00
55	490.91	1.7101+00	2.7751-01	9.5388-04	2.7751-01	9.5388-04	1.3359-03	2.1575-02	2.0458+04	2.4080-04	3.7770+00
56	448.48	2.0120+00	3.0852-01	1.0245-03	3.0852-01	1.0245-03	1.4349-03	2.3173-02	2.1973+04	2.5821-04	4.1100-01
57	446.51	5.5330+00	8.8238-01	2.9256-03	8.8238-01	2.9256-03	4.0973-03	6.6171-02	6.2745+04	7.3726-04	7.1100-01
58	441.92	9.1159+00	1.4846+00	4.9045-03	1.4846+00	4.9045-03	6.8687-03	1.1093-01	1.0519+05	1.2357-03	1.0880+00
59	445.08	1.2965+01	2.1225+00	7.0293-03	2.1225+00	7.0293-03	9.8445-03	1.5899-01	1.5076+05	1.7713-03	1.3070+00
60	438.64	9.3792+00	1.5331+00	5.0516-03	1.5331+00	5.0516-03	7.0748-03	1.1426-01	1.0834+05	1.2726-03	1.6410+00
61	474.62	1.1418+00	1.8842-01	6.3905-04	1.8842-01	6.3905-04	8.9499-04	1.4454-02	1.3706+04	1.6122-04	3.0090+00
62	487.01	8.4935-01	1.4003-01	4.7977-04	1.4003-01	4.7977-04	6.7192-04	1.0851-02	1.0290+04	1.2110-04	3.3930+00
63	491.08	6.1299-01	9.9482-02	3.4200-04	9.9482-02	3.4200-04	4.7897-04	7.7353-03	7.3349+03	8.6337-05	3.7770+00
64	438.43	6.7792+00	1.1244+00	3.7043-03	1.1244+00	3.7043-03	5.1879-03	8.3783-02	7.9446+04	9.3320-04	1.0880+00
65	433.02	5.9075+00	9.7614-01	3.2021-03	9.7614-01	3.2021-03	4.4845-03	7.2425-02	6.8675+04	8.0651-04	1.3070+00
66	436.55	7.4613+00	1.2359+00	4.0656-03	1.2359+00	4.0656-03	5.6939-03	9.1955-02	8.7195+04	1.0241-03	1.6410+00
69	451.63	1.1138+00	1.8642-01	6.2063-04	1.8642-01	6.2063-04	8.6919-04	1.4037-02	1.3311+04	1.5643-04	4.1100-01
70	448.70	2.4208-01	4.0438-02	1.3431-04	4.0438-02	1.3431-04	1.8810-04	3.0379-03	2.8806+03	3.3850-05	7.1100-01
71	435.60	8.7741-01	1.4482-01	4.7602-04	1.4482-01	4.7602-04	6.6666-04	1.0767-02	1.0209+04	1.1991-04	1.3070+00
72	435.47	1.4546+00	2.4076-01	7.9130-04	2.4076-01	7.9130-04	1.1082-03	1.7898-02	1.6971+04	1.9932-04	1.6410+00
73	463.88	9.1325-01	1.4828-01	4.9852-04	1.4828-01	4.9852-04	6.9818-04	1.1276-02	1.0692+04	1.2572-04	3.7770+00
74	453.62	1.2265+00	2.0076-01	6.6943-04	2.0076-01	6.6943-04	9.3753-04	1.5141-02	1.4357+04	1.6874-04	5.3230+00
77	434.12	4.7979+00	7.8644-01	2.5821-03	7.8644-01	2.5821-03	3.6162-03	5.8401-02	5.5378+04	6.5038-04	3.0090+00
78	448.84	3.7636+00	6.1588-01	2.0458-03	6.1588-01	2.0458-03	2.8651-03	4.6272-02	4.3876+04	5.1560-04	3.3930+00
79	462.05	2.5548+00	4.1429-01	1.3908-03	4.1429-01	1.3908-03	1.9479-03	3.1458-02	2.9829+04	3.5071-04	3.7770+00
80	430.08	5.9834+00	9.8952-01	3.2385-03	9.8952-01	3.2385-03	4.5355-03	7.3248-02	6.9456+04	8.1558-04	2.4660+00
81	438.62	4.1158+00	6.7676-01	2.2299-03	6.7676-01	2.2299-03	3.1229-03	5.0435-02	4.7824+04	5.6176-04	3.0090+00
82	450.50	3.6286+00	5.9622-01	1.9831-03	5.9622-01	1.9831-03	2.7774-03	4.4855-02	4.2532+04	4.9984-04	3.3930+00
83	464.68	3.5200+00	5.7876-01	1.9471-03	5.7876-01	1.9471-03	2.7270-03	4.4040-02	4.1760+04	4.9104-04	3.7770+00
337	474.03	1.2056+01	2.2462+00	7.6145-03	2.2462+00	7.6145-03	1.0664-02	1.7222-01	1.6331+05	1.9210-03	7.1680+00
339	490.17	8.8021+00	1.6929+00	5.8153-03	1.6929+00	5.8153-03	8.1443-03	1.3153-01	1.2472+05	1.4680-03	8.1130+00
340	491.79	3.3236+00	6.2652-01	2.1551-03	6.2652-01	2.1551-03	3.0182-03	4.8744-02	4.6221+04	5.4407-04	8.6180+00
342	465.80	9.3132+00	1.7810+00	5.9971-03	1.7810+00	5.9971-03	8.3989-03	1.3564-01	1.2862+05	1.5124-03	7.1680+00
344	474.57	5.9714+00	1.1427+00	3.8753-03	1.1427+00	3.8753-03	5.4274-03	8.7652-02	8.3114+04	9.7768-04	8.1130+00
347	470.00	5.7122+00	1.0614+00	3.5865-03	1.0614+00	3.5865-03	5.0229-03	8.1119-02	7.6919+04	9.0464-04	7.1680+00
349	463.98	3.1086+00	5.8912-01	1.9809-03	5.8912-01	1.9809-03	2.7742-03	4.4803-02	4.2484+04	4.9953-04	8.1130+00
350	465.73	6.9195-01	1.2103-01	4.0753-04	1.2103-01	4.0753-04	5.7075-04	9.2176-03	8.7404+03	1.0278-04	8.6180+00
352	470.67	6.0987-01	1.1066-01	3.7410-04	1.1066-01	3.7410-04	5.2392-04	8.4613-03	8.0233+03	9.4364-05	7.1680+00
354	471.18	1.2691+00	2.4104-01	8.1524-04	2.4104-01	8.1524-04	1.1417-03	1.8439-02	1.7484+04	2.0564-04	8.1130+00
357	481.68	2.0613+00	3.7571-01	1.2816-03	3.7571-01	1.2816-03	1.7949-03	2.8988-02	2.7487+04	3.2343-04	7.1680+00
359	486.66	2.2868+00	4.1015-01	1.4049-03	4.1015-01	1.4049-03	1.9675-03	3.1775-02	3.0130+04	3.5459-04	8.1130+00
401	497.70	3.5355+01	3.0150+00	1.0422-02	3.0150+00	1.0422-02	1.4596-02	2.3573-01	2.2352+05	2.6318-03	4.5500-01
403	465.10	1.3479+01	1.1118+00	3.7416-03	1.1118+00	3.7416-03	5.2400-03	8.4626-02	8.0245+04	9.4357-04	6.8600-01
404	472.01	2.0243+01	1.6875+00	5.7110-03	1.6875+00	5.7110-03	7.9982-03	1.2917-01	1.2248+05	1.4406-03	8.0100-01
405	486.21	3.1494+01	2.6343+00	9.0196-03	2.6343+00	9.0196-03	1.2632-02	2.0401-01	1.9344+05	2.2766-03	1.0510+00
406	481.07	3.3724+01	2.8281+00	9.6426-03	2.8281+00	9.6426-03	1.3504-02	2.1810-01	2.0681+05	2.4333-03	1.1670+00
407	482.77	3.5761+01	3.0560+00	1.0434-02	3.0560+00	1.0434-02	1.4613-02	2.3599-01	2.2378+05	2.6332-03	1.2830+00
408	468.80	1.7485+01	1.4285+00	4.8219-03	1.4285+00	4.8219-03	6.7530-03	1.0906-01	1.0341+05	1.2162-03	5.1300-01
409	445.22	2.5839+00	2.1152-01	7.0059-04	2.1152-01	7.0059-04	9.8118-04	1.5846-02	1.5026+04	1.7654-04	5.7000-01
410	460.19	1.0929+01	8.7159-01	2.9217-03	8.7159-01	2.9217-03	4.0918-03	6.6082-02	6.2661+04	7.3667-04	6.2800-01
411	446.48	3.0587+00	2.5060-01	8.3089-04	2.5060-01	8.3089-04	1.1637-03	1.8793-02	1.7820+04	2.0939-04	6.8600-01
412	478.37	1.5333+01	1.2759+00	4.3406-03	1.2759+00	4.3406-03	6.0790-03	9.8176-02	9.3093+04	1.0952-03	7.4400-01
413	445.24	4.3912+00	3.6161-01	1.1977-03	3.6161-01	1.1977-03	1.6774-03	2.7090-02	2.5688+04	3.0182-04	8.0100-01
414	476.43	2.5714+01	2.1370+00	7.2585-03	2.1370+00	7.2585-03	1.0165-02	1.6417-01	1.5567+05	1.8313-03	8.5900-01
415	445.61	5.1340+00	4.2039-01	1.3928-03	4.2039-01	1.3928-03	1.9507-03	3.1503-02	2.9872+04	3.5099-04	9.1700-01
416	468.58	1.3845+01	1.0692+00	3.6087-03	1.0692+00	3.6087-03	5.0539-03	8.1620-02	7.7395+04	9.1018-04	5.7000-01
417	483.01	3.1269+01	2.6099+00	8.9127-03	2.6099+00	8.9127-03	1.2482-02	2.0159-01	1.9115+05	2.2493-03	1.0520+00

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8.03499+01 4.81884-03 3.40085-01 4.41024+03 5.03175-06 6.50834-08 2.86052-02 7.72000+00 6.68324-06 7.51797-02

1	463.14	9.5460+00	1.6103+00	5.4108-03	1.6103+00	5.4108-03	7.5784-03	1.2238-01	1.1603+05	1.3642-03	4.1100-01
2	478.36	2.2808+01	3.8868+00	1.3223-02	3.8868+00	1.3223-02	1.8520-02	2.9907-01	2.8355+05	3.3359-03	7.1100-01
3	478.63	1.9964+01	3.4026+00	1.1578-02	3.4026+00	1.1578-02	1.6216-02	2.6188-01	2.4829+05	2.9210-03	1.3070+00
4	474.86	2.3085+01	3.9248+00	1.3314-02	3.9248+00	1.3314-02	1.8647-02	3.0113-01	2.8551+05	3.3584-03	1.6410+00
5	453.82	1.4043+01	2.4641+00	8.2180-03	2.4641+00	8.2180-03	1.1510-02	1.8587-01	1.7623+05	2.0713-03	1.7720+00
6	431.61	6.3242+00	1.0267+00	3.3707-03	1.0287+00	3.3707-03	4.7210-03	7.6239-02	7.2283+04	8.4882-04	2.4660+00
7	440.56	4.7761+00	7.7943-01	2.5721-03	7.7943-01	2.5721-03	3.6025-03	5.8175-02	5.5157+04	6.4793-04	3.0090+00
8	452.89	4.3948+00	7.1685-01	2.3889-03	7.1685-01	2.3889-03	3.3459-03	5.4033-02	5.1229+04	6.0208-04	3.3930+00
9	468.06	5.1132+00	8.4264-01	2.8427-03	8.4264-01	2.8427-03	3.9815-03	6.4296-02	6.0959+04	7.1687-04	3.7770+00
10	492.52	4.4514+00	7.4772-01	2.5736-03	7.4772-01	2.5736-03	3.6045-03	5.8209-02	5.5188+04	6.4964-04	5.3230+00
14	485.59	2.8129+01	4.8164+00	1.6483-02	4.8164+00	1.6483-02	2.3086-02	3.7281-01	3.5346+05	4.1595-03	1.0880+00
15	462.15	1.3922+01	2.3469+00	7.8795-03	2.3469+00	7.8795-03	1.1036-02	1.7822-01	1.6897+05	1.9866-03	1.3070+00
16	466.02	2.1816+01	3.6872+00	1.2418-02	3.6872+00	1.2418-02	1.7393-02	2.8088-01	2.6630+05	3.1314-03	1.6410+00
19	467.29	1.0456+01	1.6084+00	5.4228-03	1.6084+00	5.4228-03	7.5951-03	1.2265-01	1.1629+05	1.3675-03	4.1100-01
20	469.36	1.8051+01	2.9148+00	9.8436-03	2.9148+00	9.8436-03	1.3787-02	2.2264-01	2.1109+05	2.4825-03	7.1100-01
21	455.36	1.4699+01	2.3873+00	7.9714-03	2.3873+00	7.9714-03	1.1165-02	1.8030-01	1.7094+05	2.0092-03	1.0880+00
22	457.44	1.6190+01	2.6489+00	8.8599-03	2.6489+00	8.8599-03	1.2409-02	2.0039-01	1.8999+05	2.2334-03	1.3070+00
23	450.65	1.6868+01	2.7059+00	9.0013-03	2.7059+00	9.0013-03	1.2607-02	2.0359-01	1.9303+05	2.2684-03	1.6410+00
24	433.65	1.0109+00	1.6271-01	5.3403-04	1.6271-01	5.3403-04	7.4796-04	1.2079-02	1.1452+04	1.3449-04	3.0090+00
25	446.07	6.6597-01	1.0553-01	3.4976-04	1.0553-01	3.4976-04	4.8987-04	7.9109-03	7.5004+03	8.8127-05	3.3930+00
26	459.63	9.2416-01	1.4871-01	4.9826-04	1.4871-01	4.9826-04	6.9786-04	1.1270-02	1.0685+04	1.2561-04	3.7770+00
27	487.93	2.9349+01	4.7974+00	1.6449-02	4.7974+00	1.6449-02	2.3039-02	3.7205-01	3.5275+05	4.1515-03	7.1100-01
28	474.67	2.7434+01	4.5136+00	1.5309-02	4.5136+00	1.5309-02	2.1442-02	3.4626-01	3.2829+05	3.8616-03	1.0880+00
29	454.90	1.5825+01	2.6081+00	8.7056-03	2.6081+00	8.7056-03	1.2193-02	1.9690-01	1.8668+05	2.1942-03	1.3070+00
30	441.24	1.3038+01	2.1350+00	7.0493-03	2.1350+00	7.0493-03	9.8733-03	1.5944-01	1.5117+05	1.7758-03	1.6410+00
31	433.88	9.2951+00	1.5368+00	5.0447-03	1.5368+00	5.0447-03	7.0656-03	1.1410-01	1.0818+05	1.2705-03	1.7720+00
32	440.56	4.4940+00	7.3558-01	2.4274-03	7.3558-01	2.4274-03	3.3998-03	5.4903-02	5.2054+04	6.1148-04	2.4660+00
33	451.91	3.6395+00	6.0216-01	2.0052-03	6.0216-01	2.0052-03	2.8084-03	4.5352-02	4.2999+04	5.0534-04	3.0090+00
34	465.51	2.0286+00	3.3373-01	1.1235-03	3.3373-01	1.1235-03	1.5736-03	2.5412-02	2.4093+04	2.8330-04	3.3930+00
35	473.88	3.2312-01	5.1208-02	1.7357-04	5.1208-02	1.7357-04	2.4310-04	3.9258-03	3.7221+03	4.3781-05	3.7770+00
36	450.33	1.1290+01	1.8328+00	6.0954-03	1.8328+00	6.0954-03	8.5372-03	1.3787-01	1.3071+05	1.5361-03	1.3070+00
37	450.80	6.9252+00	1.1551+00	3.8430-03	1.1551+00	3.8430-03	5.3824-03	8.6920-02	8.2409+04	9.6846-04	2.4660+00
38	465.19	1.6821+00	2.7667-01	9.3117-04	2.7667-01	9.3117-04	1.3042-03	2.1061-02	1.9968+04	2.3480-04	3.0090+00
39	477.29	9.8234-01	1.6190-01	5.5031-04	1.6190-01	5.5031-04	7.7076-04	1.2447-02	1.1801+04	1.3883-04	3.3930+00
40	485.64	9.4909-01	1.5586-01	5.3341-04	1.5586-01	5.3341-04	7.4709-04	1.2065-02	1.1439+04	1.3461-04	3.7770+00
41	489.23	3.7818-01	6.0922-02	2.0912-04	6.0922-02	2.0912-04	2.9289-04	4.7298-03	4.4843+03	5.2780-05	4.1620+00
43	473.99	7.8857-01	1.3243-01	4.4891-04	1.3243-01	4.4891-04	6.2874-04	1.0153-02	9.6265+03	1.1323-04	5.3230+00
47	449.48	6.0727+00	9.7636-01	3.2449-03	9.7636-01	3.2449-03	4.5448-03	7.3393-02	6.9585+04	8.1771-04	7.1100-01
48	472.04	2.4118+01	4.0090+00	1.3568-02	4.0090+00	1.3568-02	1.9004-02	3.0669-01	2.9096+05	3.4222-03	1.0880+00
49	451.50	1.5176+01	2.5027+00	8.3311-03	2.5027+00	8.3311-03	1.1669-02	1.8843-01	1.7865+05	2.0996-03	1.3070+00
50	442.03	1.1273+01	1.8579+00	6.1383-03	1.8579+00	6.1383-03	8.5974-03	1.3884-01	1.3163+05	1.5464-03	1.6410+00
51	440.24	7.9668+00	1.3230+00	4.3649-03	1.3230+00	4.3649-03	6.1135-03	9.8725-02	9.3602+04	1.0995-03	1.7720+00
52	446.58	1.5569+00	2.5969-01	8.6107-04	2.5969-01	8.6107-04	1.2060-03	1.9476-02	1.8465+04	2.1696-04	2.4660+00
53	471.96	1.4088+00	2.3277-01	7.8777-04	2.3277-01	7.8777-04	1.1033-03	1.7818-02	1.6893+04	1.9869-04	3.0090+00
54	485.39	1.8904+00	3.1133-01	1.0653-03	3.1133-01	1.0653-03	1.4920-03	2.4095-02	2.2844+04	2.6883-04	3.3930+00
55	491.76	1.7065+00	2.7707-01	9.5304-04	2.7707-01	9.5304-04	1.3348-03	2.1556-02	2.0437+04	2.4057-04	3.7770+00
56	449.72	2.1823+00	3.3493-01	1.1134-03	3.3493-01	1.1134-03	1.5594-03	2.5182-02	2.3875+04	2.8056-04	4.1100-01
57	449.23	5.4899+00	8.7714-01	2.9146-03	8.7714-01	2.9146-03	4.0821-03	6.5922-02	6.2501+04	7.3445-04	7.1100-01
58	446.56	9.3969+00	1.5353+00	5.0906-03	1.5353+00	5.0906-03	7.1299-03	1.1514-01	1.0917+05	1.2827-03	1.0880+00
59	451.36	1.2308+01	2.0235+00	6.7352-03	2.0235+00	6.7352-03	9.4333-03	1.5234-01	1.4443+05	1.6974-03	1.3070+00
60	443.32	9.2914+00	1.5237+00	5.0392-03	1.5237+00	5.0392-03	7.0579-03	1.1398-01	1.0806+05	1.2696-03	1.6410+00
61	475.18	1.1912+00	1.9664-01	6.6723-04	1.9664-01	6.6723-04	9.3452-04	1.5091-02	1.4308+04	1.6831-04	3.0090+00
62	487.43	8.7013-01	1.4350-01	4.9182-04	1.4350-01	4.9182-04	6.8884-04	1.1124-02	1.0547+04	1.2412-04	3.3930+00
63	491.37	6.4571-01	1.0681-01	3.6041-04	1.0681-01	3.6041-04	5.0479-04	8.1517-03	7.7287+03	9.0973-05	3.7770+00
64	441.83	6.7662+00	1.1249+00	3.7159-03	1.1249+00	3.7159-03	5.2045-03	8.4047-02	7.9685+04	9.3612-04	1.0880+00
65	436.04	6.0255+00	9.9773-01	3.2807-03	9.9773-01	3.2807-03	4.5950-03	7.4204-02	7.0353+04	8.2630-04	1.3070+00
66	440.29	7.4514+00	1.2375+00	4.0829-03	1.2375+00	4.0829-03	5.7185-03	9.2346-02	8.7554+04	1.0285-03	1.6410+00
69	452.08	1.0530+00	1.7630-01	5.8715-04	1.7630-01	5.8715-04	8.2236-04	1.3280-02	1.2591+04	1.4797-04	4.1100-01
70	448.82	2.3792-01	3.9747-02	1.3203-04	3.9747-02	1.3203-04	1.8492-04	2.9862-03	2.8312+03	3.3270-05	7.1100-01
71	436.06	9.9169-01	1.6373-01	5.3839-04	1.6373-01	5.3839-04	7.5407-04	1.2177-02	1.1545+04	1.3560-04	1.3070+00
72	436.23	1.5081+00	2.4974-01	8.2133-04	2.4974-01	8.2133-04	1.1504-03	1.8577-02	1.7613+04	2.0687-04	1.6410+00
73	464.36	9.1948-01	1.4933-01	5.0228-04	1.4933-01	5.0228-04	7.0349-04	1.1360-02	1.0771+04	1.2665-04	3.7770+00
74	454.25	1.2488+00	2.0450-01	6.8226-04	2.0450-01	6.8226-04	9.5557-04	1.5431-02	1.4631+04	1.7196-04	5.3230+00
77	436.54	4.7735+00	7.8376-01	2.5782-03	7.8376-01	2.5782-03	3.6110-03	5.8313-02	5.5287+04	6.4936-04	3.0090+00
78	450.76	3.5917+00	5.8852-01	1.9579-03	5.8852-01	1.9579-03	2.7423-03	4.4284-02	4.1986+04	4.9341-04	3.3930+00
79	463.32	2.5844+00	4.1945-01	1.4096-03	4.1945-01	1.4096-03	1.9743-03	3.1882-02	3.0228+04	3.5541-04	3.7770+00
80	433.14	6.2873+00	1.0420+00	3.4185-03	1.0420+00	3.4185-03	4.7880-03	7.7320-02	7.3308+04	8.6090-04	2.4660+00
81	446.68	4.1527+00	6.8380-01	2.2568-03	6.8380-01	2.2568-03	3.1608-03	5.1043-02	4.8394+04	5.6850-04	3.0090+00
82	452.17	3.3543+00	5.5179-01	1.8378-03	5.5179-01	1.8378-03	2.5740-03	4.1567-02	3.9410+04	4.6317-04	3.3930+00
83	466.46	3.5870+00	5.9049-01	1.9894-03	5.9049-01	1.9894-03	2.7864-03	4.4997-02	4.2662+04	5.0167-04	3.7770+00
337	480.04	1.2042+01	2.2526+00	7.6739-03	2.2526+00	7.6739-03	1.0748-02	1.7357-01	1.6456+05	1.9361-03	7.1680+00
339	494.55	8.6790+00	1.6739+00	5.7711-03	1.6739+00	5.7711-03	8.0830-03	1.3053-01	1.2376+05	1.4569-03	8.1130+00
340	493.43	3.2701+00	6.1709-01	2.1256-03	6.1709-01	2.1256-03	2.9771-03	4.8076-02	4.5581+04	5.3657-04	8.6180+00
342	470.40	9.2525+00	1.7748+00	5.9987-03	1.7748+00	5.9987-03	8.4018-03	1.3568-01	1.2864+05	1.5129-03	7.1680+00
344	477.54	5.9075+00	1.1327+00	3.8508-03	1.1327+00	3.8508-03	5.3934-03	8.7096-02	8.2577+04	9.7145-04	8.1130+00
347	472.89	5.7984+00	1.0795+00	3.6562-03	1.0795+00	3.6562-03	5.1209-03	8.2696-02	7.8405+04	9.2221-04	7.1680+00
349	465.53	3.1512+00	5.9781-01	2.0126-03	5.9781-01	2.0126-03	2.8189-03	4.5521-02	4.3159+04	5.0749-04	8.1130+00
350	466.08	6.9299-01	1.2124-01	4.0836-04	1.2124-01	4.0836-04	5.7194-04	9.2362-03	8.7569+03	1.0297-04	8.6180+00
352	470.98	5.8701-01	1.0653-01	3.6024-04	1.0653-01	3.6024-04	5.0455-04	8.1479-03	7.7251+03	9.0856-05	7.1680+00
354	471.82	1.2940+00	2.4588-01	8.3204-04	2.4588-01	8.3204-04	1.1654-03	1.8819-02	1.7843+04	2.0986-04	8.1130+00
357	482.67	1.9964+00	3.6412-01	1.2431-03	3.6412-01	1.2431-03	1.7411-03	2.8116-02	2.6657+04	3.1367-04	7.1680+00
359	487.83	2.2629+00	4.0617-01	1.3926-03	4.0617-01	1.3926-03	1.9505-03	3.1497-02	2.9863+04	3.5146-04	8.1130+00
401	514.26	3.1117+01	2.6818+00	9.3999-03	2.6818+00	9.3999-03	1.3165-02	2.1261-01	2.0157+05	2.3749-03	4.5500-01
403	471.59	1.2549+01	1.0395+00	3.5164-03	1.0395+00	3.5164-03	4.9258-03	7.9546-02	7.5418+04	8.8702-04	6.8600-01
404	481.95	1.9683+01	1.6516+00	5.6353-03	1.6516+00	5.6353-03	7.8928-03	1.2746-01	1.2084+05	1.4219-03	8.0100-01
405	501.38	2.9277+01	2.4730+00	8.5748-03	2.4730+00	8.5748-03	1.2010-02	1.9394-01	1.8388+05	2.1653-03	1.0510+00
406	497.17	3.0813+01	2.6112+00	9.0223-03	2.6112+00	9.0223-03	1.2637-02	2.0407-01	1.9348+05	2.2779-03	1.1670+00
407	499.68	3.2321+01	2.7924+00	9.6685-03	2.7924+00	9.6685-03	1.3542-02	2.1868-01	2.0733+05	2.4413-03	1.2830+00
408	477.53	1.7169+01	1.4108+00	4.7963-03	1.4108+00	4.7963-03	6.7177-03	1.0848-01	1.0285+05	1.2100-03	5.1300-01
409	446.60	2.8509+00	2.3360-01	7.7457-04	2.3360-01	7.7457-04	1.0849-03	1.7519-02	1.6610+04	1.9517-04	5.7000-01
410	465.78	1.1241+01	8.9978-01	3.0298-03	8.9978-01	3.0298-03	4.2436-03	6.8529-02	6.4973+04	7.6400-04	6.2800-01
411	448.13	3.4281+00	2.8118-01	9.3349-04	2.8118-01	9.3349-04	1.3074-03	2.1114-02	2.0018+04	2.3522-04	6.8600-01
412	486.13	1.5614+01	1.3059+00	4.4712-03	1.3059+00	4.4712-03	6.2624-03	1.0113-01	9.5882+04	1.1284-03	7.4400-01
413	447.68	5.0878+00	4.1967-01	1.3928-03	4.1967-01	1.3928-03	1.9507-03	3.1502-02	2.9867+04	3.5095-04	8.0100-01
414	489.11	2.4956+01	2.0913+00	7.1779-03	2.0913+00	7.1779-03	1.0053-02	1.6235-01	1.5392+05	1.8116-03	8.5900-01
415	448.36	5.8026+00	4.7603-01	1.5806-03	4.7603-01	1.5806-03	2.2138-03	3.5751-02	3.3896+04	3.9830-04	9.1700-01
416	475.45	1.3495+01	1.0469+00	3.5532-03	1.0469+00	3.5532-03	4.9766-03	8.0365-02	7.6195+04	8.9630-04	5.7000-01
417	498.22	2.9494+01	2.4863+00	8.5981-03	2.4863+00	8.5981-03	1.2042-02	1.9447-01	1.8438+05	2.1709-03	1.0520+00

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9 1 -3.02 -15.02 .00 -.00 402 11 1.95 10.04 212.7 1639.8

8.01717+01 4.71940-03 3.32976-01 4.40474+03 4.93888-06 6.49391-08 2.81045-02 7.72000+00 6.66631-06 7.52035-02

1	454.55	7.6811+00	1.2882+00	4.3146-03	1.2882+00	4.3146-03	6.1643-03	9.8486-02	9.2758+04	1.0869-03	4.1100-01
2	453.95	2.2174+01	3.7172+00	1.2444-02	3.7172+00	1.2444-02	1.7779-02	2.8405-01	2.6753+05	3.1347-03	7.1100-01
3	452.06	2.0719+01	3.4689+00	1.1595-02	3.4689+00	1.1595-02	1.6566-02	2.6467-01	2.4928+05	2.9207-03	1.3070+00
4	440.56	2.3446+01	3.8945+00	1.2899-02	3.8945+00	1.2899-02	1.8424-02	2.9443-01	2.7730+05	3.2476-03	1.6410+00
5	426.70	1.5075+01	2.5960+00	8.5041-03	2.5960+00	8.5041-03	1.2150-02	1.9412-01	1.8283+05	2.1400-03	1.7720+00
6	422.22	5.4358+00	8.7835-01	2.8673-03	8.7835-01	2.8673-03	4.0966-03	6.5450-02	6.1643+04	7.2141-04	2.4660+00
7	440.03	4.7190+00	7.6982-01	2.5486-03	7.6982-01	2.5486-03	3.6412-03	5.8174-02	5.4791+04	6.4166-04	3.0090+00
8	452.95	4.3730+00	7.1332-01	2.3860-03	7.1332-01	2.3860-03	3.4090-03	5.4464-02	5.1297+04	6.0104-04	3.3930+00
9	467.08	4.9538+00	8.1582-01	2.7603-03	8.1582-01	2.7603-03	3.9436-03	6.3006-02	5.9342+04	6.9569-04	3.7770+00
10	484.82	4.2701+00	7.1368-01	2.4500-03	7.1368-01	2.4500-03	3.5004-03	5.5925-02	5.2673+04	6.1793-04	5.3230+00
14	449.40	3.1711+01	5.2996+00	1.7677-02	5.2996+00	1.7677-02	2.5255-02	4.0349-01	3.8002+05	4.4521-03	1.0880+00
15	443.79	1.5000+01	2.4973+00	8.2922-03	2.4973+00	8.2922-03	1.1847-02	1.8928-01	1.7827+05	2.0880-03	1.3070+00
16	435.35	2.3090+01	3.8215+00	1.2605-02	3.8215+00	1.2605-02	1.8009-02	2.8772-01	2.7098+05	3.1729-03	1.6410+00
19	456.13	1.0577+01	1.6149+00	5.4155-03	1.6149+00	5.4155-03	7.7372-03	1.2362-01	1.1643+05	1.3643-03	4.1100-01
20	454.37	1.4385+01	2.2995+00	7.7004-03	2.2995+00	7.7004-03	1.1002-02	1.7577-01	1.6555+05	1.9398-03	7.1100-01
21	439.34	1.6687+01	2.6804+00	8.8688-03	2.6804+00	8.8688-03	1.2671-02	2.0244-01	1.9067+05	2.2328-03	1.0880+00
22	436.66	1.8186+01	2.9334+00	9.6854-03	2.9334+00	9.6854-03	1.3838-02	2.2108-01	2.0822+05	2.4382-03	1.3070+00
23	426.85	1.7671+01	2.7883+00	9.1352-03	2.7883+00	9.1352-03	1.3052-02	2.0852-01	1.9639+05	2.2988-03	1.6410+00
24	439.54	1.0592+00	1.7119-01	5.6653-04	1.7119-01	5.6653-04	8.0941-04	1.2932-02	1.2180+04	1.4263-04	3.0090+00
25	453.94	7.8130-01	1.2447-01	4.1667-04	1.2447-01	4.1667-04	5.9530-04	9.5110-03	8.9579+03	1.0496-04	3.3930+00
26	467.70	9.6987-01	1.5691-01	5.3116-04	1.5691-01	5.3116-04	7.5888-04	1.2124-02	1.1419+04	1.3388-04	3.7770+00
27	454.96	2.5165+01	4.0242+00	1.3482-02	4.0242+00	1.3482-02	1.9263-02	3.0775-01	2.8986+05	3.3965-03	7.1100-01
28	442.09	2.7508+01	4.4270+00	1.4680-02	4.4270+00	1.4680-02	2.0974-02	3.3509-01	3.1560+05	3.6964-03	1.0880+00
29	434.49	1.6602+01	2.6978+00	8.8923-03	2.6978+00	8.8923-03	1.2705-02	2.0298-01	1.9117+05	2.2384-03	1.3070+00
30	422.56	1.3979+01	2.2593+00	7.3772-03	2.2593+00	7.3772-03	1.0540-02	1.6839-01	1.5860+05	1.8561-03	1.6410+00
31	417.78	9.9034+00	1.6168+00	5.2663-03	1.6188+00	5.2663-03	7.5240-03	1.2021-01	1.1322+05	1.3248-03	1.7720+00
32	437.09	4.1475+00	6.7723-01	2.2368-03	6.7723-01	2.2368-03	3.1958-03	5.1058-02	4.8088+04	5.6310-04	2.4660+00
33	455.80	3.6774+00	6.1065-01	2.0453-03	6.1065-01	2.0453-03	2.9221-03	4.6686-02	4.3971+04	5.1526-04	3.0090+00
34	471.19	1.9657+00	3.2462-01	1.1020-03	3.2462-01	1.1020-03	1.5744-03	2.5155-02	2.3692+04	2.7779-04	3.3930+00
35	480.13	5.0130-01	7.9774-02	2.7280-04	7.9774-02	2.7280-04	3.8976-04	6.2271-03	5.8650+03	6.8793-05	3.7770+00
36	434.84	1.3034+01	2.0933+00	6.9017-03	2.0933+00	6.9017-03	9.8606-03	1.5754-01	1.4838+05	1.7373-03	1.3070+00
37	446.17	6.8431+00	1.1378+00	3.7852-03	1.1378+00	3.7852-03	5.4080-03	8.6402-02	8.1377+04	9.5323-04	2.4660+00
38	473.22	1.5371+00	2.5419-01	8.6433-04	2.5419-01	8.6433-04	1.2349-03	1.9729-02	1.8582+04	2.1790-04	3.0090+00
39	482.88	1.2208+00	2.0194-01	6.9216-04	2.0194-01	6.9216-04	9.8890-04	1.5799-02	1.4880+04	1.7456-04	3.3930+00
40	488.06	1.0613+00	1.7456-01	6.0087-04	1.7456-01	6.0087-04	8.5847-04	1.3716-02	1.2918+04	1.5157-04	3.7770+00
41	489.75	4.1714-01	6.7221-02	2.3171-04	6.7221-02	2.3171-04	3.3105-04	5.2891-03	4.9815+03	5.8453-05	4.1620+00
43	468.24	8.2389-01	1.3783-01	4.6677-04	1.3783-01	4.6677-04	6.6688-04	1.0655-02	1.0035+04	1.1765-04	5.3230+00
47	443.61	6.8649+00	1.0993+00	3.6497-03	1.0993+00	3.6497-03	5.2144-03	8.3309-02	7.8464+04	9.1902-04	7.1100-01
48	446.96	2.4357+01	3.9807+00	1.3251-02	3.9807+00	1.3251-02	1.8933-02	3.0248-01	2.8489+05	3.3373-03	1.0880+00
49	432.06	1.6116+01	2.6222+00	8.6265-03	2.6222+00	8.6265-03	1.2325-02	1.9691-01	1.8546+05	2.1712-03	1.3070+00
50	426.60	1.1798+01	1.9236+00	6.3012-03	1.9236+00	6.3012-03	9.0026-03	1.4383-01	1.3547+05	1.5856-03	1.6410+00
51	428.92	8.4140+00	1.3863+00	4.5494-03	1.3863+00	4.5494-03	6.4997-03	1.0384-01	9.7805+04	1.1449-03	1.7720+00
52	448.86	1.5278+00	2.5523-01	8.5095-04	2.5523-01	8.5095-04	1.2158-03	1.9424-02	1.8294+04	2.1432-04	2.4660+00
53	478.41	1.4073+00	2.3351-01	7.9742-04	2.3351-01	7.9742-04	1.1393-03	1.8202-02	1.7144+04	2.0107-04	3.0090+00
54	487.34	1.8758+00	3.0933-01	1.0641-03	3.0933-01	1.0641-03	1.5204-03	2.4290-02	2.2878+04	2.6842-04	3.3930+00
55	489.95	1.7153+00	2.7818-01	9.5904-04	2.7818-01	9.5904-04	1.3702-03	2.1891-02	2.0618+04	2.4193-04	3.7770+00
56	446.31	2.2499+00	3.4449-01	1.1462-03	3.4449-01	1.1462-03	1.6376-03	2.6163-02	2.4642+04	2.8865-04	4.1100-01
57	444.19	6.4088+00	1.0204+00	3.3894-03	1.0204+00	3.3894-03	4.8425-03	7.7367-02	7.2868+04	8.5350-04	7.1100-01
58	432.20	8.7465+00	1.4148+00	4.6550-03	1.4148+00	4.6550-03	6.6507-03	1.0626-01	1.0008+05	1.1717-03	1.0880+00
59	429.33	1.3591+01	2.2006+00	7.2237-03	2.2006+00	7.2237-03	1.0321-02	1.6489-01	1.5530+05	1.8180-03	1.3070+00
60	429.92	9.9896+00	1.6230+00	5.3302-03	1.6230+00	5.3302-03	7.6153-03	1.2167-01	1.1459+05	1.3415-03	1.6410+00
61	481.87	1.1699+00	1.9398-01	6.6430-04	1.9398-01	6.6430-04	9.4909-04	1.5163-02	1.4282+04	1.6753-04	3.0090+00
62	489.98	9.5013-01	1.5695-01	5.4111-04	1.5695-01	5.4111-04	7.7309-04	1.2352-02	1.1633+04	1.3650-04	3.3930+00
63	491.14	7.1584-01	1.1618-01	4.0093-04	1.1618-01	4.0093-04	5.7282-04	9.1517-03	8.6195+03	1.0115-04	3.7770+00
64	431.97	7.3699+00	1.2169+00	4.0029-03	1.2169+00	4.0029-03	5.7191-03	9.1372-02	8.6058+04	1.0075-03	1.0880+00
65	426.10	6.4291+00	1.0572+00	3.4615-03	1.0572+00	3.4615-03	4.9455-03	7.9013-02	7.4418+04	8.7105-04	1.3070+00
66	430.39	7.7756+00	1.2824+00	4.2133-03	1.2824+00	4.2133-03	6.0197-03	9.6175-02	9.0582+04	1.0604-03	1.6410+00
69	451.84	8.7376-01	1.4627-01	4.8883-04	1.4627-01	4.8883-04	6.9840-04	1.1158-02	1.0509+04	1.2313-04	4.1100-01
70	448.43	7.1220-01	1.1895-01	3.9643-04	1.1895-01	3.9643-04	5.6639-04	9.0490-03	8.5227+03	9.9843-05	7.1100-01
71	433.32	1.7350+00	2.8592-01	9.4153-04	2.8592-01	9.4153-04	1.3452-03	2.1492-02	2.0242+04	2.3699-04	1.3070+00
72	441.76	2.1636+00	3.5969-01	1.1924-03	3.5969-01	1.1924-03	1.7036-03	2.7219-02	2.5636+04	3.0024-04	1.6410+00
73	463.52	1.0286+00	1.6696-01	5.6326-04	1.6696-01	5.6326-04	8.0473-04	1.2857-02	1.2109+04	1.4194-04	3.7770+00
74	453.77	1.3205+00	2.1617-01	7.2356-04	2.1617-01	7.2356-04	1.0338-03	1.6516-02	1.5556+04	1.8227-04	5.3230+00
77	439.51	4.5792+00	7.5342-01	2.4932-03	7.5342-01	2.4932-03	3.5621-03	5.6911-02	5.3601+04	6.2771-04	3.0090+00
78	456.35	3.6878+00	6.0657-01	2.0345-03	6.0657-01	2.0345-03	2.9067-03	4.6440-02	4.3739+04	5.1256-04	3.3930+00
79	470.71	2.2852+00	3.7272-01	1.2648-03	3.7272-01	1.2648-03	1.8070-03	2.8871-02	2.7192+04	3.1882-04	3.7770+00
80	425.89	5.2483+00	8.6539-01	2.8331-03	8.6539-01	2.8331-03	4.0477-03	6.4670-02	6.0909+04	7.1292-04	2.4660+00
81	443.34	3.9101+00	6.4504-01	2.1411-03	6.4504-01	2.1411-03	3.0591-03	4.8874-02	4.6031+04	5.3915-04	3.0090+00
82	453.71	3.3574+00	5.5288-01	1.8505-03	5.5288-01	1.8505-03	2.6439-03	4.2240-02	3.9784+04	4.6616-04	3.3930+00
83	469.52	3.4831+00	5.7456-01	1.9478-03	5.7456-01	1.9478-03	2.7829-03	4.4462-02	4.1876+04	4.9097-04	3.7770+00
337	464.84	1.1990+01	2.2203+00	7.4986-03	2.2203+00	7.4986-03	1.0713-02	1.7117-01	1.6121+05	1.8898-03	7.1680+00
339	468.36	8.9304+00	1.6930+00	5.7340-03	1.6930+00	5.7340-03	8.1923-03	1.3089-01	1.2327+05	1.4453-03	8.1130+00
340	467.77	3.3460+00	6.2082-01	2.1017-03	6.2082-01	2.1017-03	3.0027-03	4.7973-02	4.5183+04	5.2972-04	8.6180+00
342	458.90	9.0925+00	1.7307+00	5.8169-03	1.7307+00	5.8169-03	8.3107-03	1.3278-01	1.2506+05	1.4656-03	7.1680+00
344	459.82	6.1106+00	1.1578+00	3.8943-03	1.1578+00	3.8943-03	5.5639-03	8.8893-02	8.3723+04	9.8124-04	8.1130+00
347	469.48	5.6743+00	1.0540+00	3.5732-03	1.0540+00	3.5732-03	5.1051-03	8.1563-02	7.6819+04	9.0067-04	7.1680+00
349	455.24	3.3252+00	6.2645-01	2.0993-03	6.2645-01	2.0993-03	2.9993-03	4.7920-02	4.5133+04	5.2886-04	8.1130+00
350	450.26	7.4753-01	1.2939-01	4.3187-04	1.2939-01	4.3187-04	6.1702-04	9.8580-03	9.2867+03	1.0878-04	8.6180+00
352	478.65	9.8233-01	1.7918-01	6.1201-04	1.7918-01	6.1201-04	8.7439-04	1.3970-02	1.3157+04	1.5432-04	7.1680+00
354	466.95	1.3751+00	2.6043-01	8.8106-04	2.6043-01	8.8106-04	1.2588-03	2.0111-02	1.8942+04	2.2206-04	8.1130+00
357	487.06	2.4114+00	4.4108-01	1.5170-03	4.4108-01	1.5170-03	2.1674-03	3.4628-02	3.2614+04	3.8265-04	7.1680+00
359	482.06	2.5174+00	4.5016-01	1.5419-03	4.5016-01	1.5419-03	2.2029-03	3.5195-02	3.3148+04	3.8884-04	8.1130+00
401	472.21	3.9241+01	3.2910+00	1.1181-02	3.2910+00	1.1181-02	1.5975-02	2.5523-01	2.4038+05	2.8187-03	4.5500-01
403	456.39	1.4926+01	1.2239+00	4.1053-03	1.2239+00	4.1053-03	5.8653-03	9.3708-02	8.8258+04	1.0343-03	6.8600-01
404	458.73	2.0889+01	1.7259+00	5.7999-03	1.7259+00	5.7999-03	8.2864-03	1.3239-01	1.2469+05	1.4613-03	8.0100-01
405	464.02	3.4976+01	2.8827+00	9.7291-03	2.8827+00	9.7291-03	1.3900-02	2.2208-01	2.0916+05	2.4518-03	1.0510+00
406	457.01	3.6914+01	3.0462+00	1.0223-02	3.0462+00	1.0223-02	1.4606-02	2.3335-01	2.1978+05	2.5755-03	1.1670+00
407	456.28	4.1717+01	3.5024+00	1.1747-02	3.5024+00	1.1747-02	1.6783-02	2.6813-01	2.5254+05	2.9594-03	1.2830+00
408	459.00	1.5853+01	1.2866+00	4.3247-03	1.2866+00	4.3247-03	6.1788-03	9.6716-02	9.2975+04	1.0896-03	5.1300-01
409	446.57	2.5943+00	2.1256-01	7.0740-04	2.1256-01	7.0740-04	1.0107-03	1.6147-02	1.5208+04	1.7815-04	5.7000-01
410	454.23	9.0774+00	7.2098-01	2.4141-03	7.2098-01	2.4141-03	3.4491-03	5.5106-02	5.1901+04	6.0815-04	6.2800-01
411	445.56	2.5330+00	2.0740-01	6.8965-04	2.0740-01	6.8965-04	9.8531-04	1.5742-02	1.4827+04	1.7367-04	6.8600-01
412	468.94	1.3411+01	1.1040+00	3.7580-03	1.1040+00	3.7580-03	5.3692-03	8.5782-02	8.0793+04	9.4723-04	7.4400-01
413	444.03	3.6104+00	2.9706-01	9.8658-04	2.9706-01	9.8658-04	1.4095-03	2.2520-02	2.1210+04	2.4843-04	8.0100-01
414	458.75	2.4604+01	2.0207+00	6.7907-03	2.0207+00	6.7907-03	9.7020-03	1.5501-01	1.4599+05	1.7110-03	8.5900-01
415	440.23	4.3564+00	3.5538-01	1.1767-03	3.5538-01	1.1767-03	1.6812-03	2.6860-02	2.5298+04	2.9627-04	9.1700-01
416	457.55	1.3204+01	1.0121+00	3.3981-03	1.0121+00	3.3981-03	4.8550-03	7.7567-02	7.3056+04	8.5614-04	5.7000-01
417	459.82	3.1872+01	2.6195+00	8.8108-03	2.6195+00	8.8108-03	1.2588-02	2.0112-01	1.8942+05	2.2200-03	1.0520+00

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8.01807+01 4.71933-03 3.32971-01 4.40499+03 4.93825-06 6.49464-08 2.80993-02 7.72000+00 6.66717-06 7.52023-02

1	456.73	8.4878+00	1.4256+00	4.7824-03	1.4256+00	4.7824-03	6.8332-03	1.0916-01	1.0280+05	1.2049-03	4.1100-01
2	459.57	2.2416+01	3.7722+00	1.2683-02	3.7722+00	1.2683-02	1.8122-02	2.8951-01	2.7264+05	3.1958-03	7.1100-01
3	456.95	1.9887+01	3.3407+00	1.1209-02	3.3407+00	1.1209-02	1.6015-02	2.5586-01	2.4094+05	2.8240-03	1.3070+00
4	446.33	2.3134+01	3.8580+00	1.2835-02	3.8580+00	1.2835-02	1.8338-02	2.9296-01	2.7589+05	3.2322-03	1.6410+00
5	430.43	1.4911+01	2.5745+00	8.4572-03	2.5745+00	8.4572-03	1.2084-02	1.9305-01	1.8179+05	2.1285-03	1.7720+00
6	423.56	5.4945+00	8.8868-01	2.9036-03	8.8868-01	2.9036-03	4.1487-03	6.6279-02	6.2416+04	7.3060-04	2.4660+00
7	441.27	4.8348+00	7.8939-01	2.6155-03	7.8939-01	2.6155-03	3.7371-03	5.9703-02	5.6224+04	6.5856-04	3.0090+00
8	454.14	4.7470+00	7.7496-01	2.5943-03	7.7496-01	2.5943-03	3.7068-03	5.9218-02	5.5767+04	6.5354-04	3.3930+00
9	468.41	5.1501+00	8.4891-01	2.8749-03	8.4891-01	2.8749-03	4.1076-03	6.5622-02	6.1798+04	7.2462-04	3.7770+00
10	485.92	4.4119+00	7.3792-01	2.5351-03	7.3792-01	2.5351-03	3.6223-03	5.7868-02	5.4495+04	6.3944-04	5.3230+00
14	457.57	3.1775+01	5.3400+00	1.7926-02	5.3400+00	1.7926-02	2.5613-02	4.0918-01	3.8533+05	4.5164-03	1.0880+00
15	446.98	1.3180+01	2.1990+00	7.3192-03	2.1990+00	7.3192-03	1.0458-02	1.6707-01	1.5733+05	1.8433-03	1.3070+00
16	440.90	2.2336+01	3.7111+00	1.2292-02	3.7111+00	1.2292-02	1.7564-02	2.8059-01	2.6424+05	3.0951-03	1.6410+00
19	459.03	1.0851+01	1.6599+00	5.5788-03	1.6599+00	5.5788-03	7.9710-03	1.2734-01	1.1992+05	1.4056-03	4.1100-01
20	457.92	1.4749+01	2.3633+00	7.9356-03	2.3633+00	7.9356-03	1.1338-02	1.8114-01	1.7058+05	1.9994-03	7.1100-01
21	442.95	1.4789+01	2.3815+00	7.9013-03	2.3815+00	7.9013-03	1.1289-02	1.8036-01	1.6985+05	1.9896-03	1.0880+00
22	440.85	1.6986+01	2.7478+00	9.1014-03	2.7478+00	9.1014-03	1.3004-02	2.0775-01	1.9564+05	2.2916-03	1.3070+00
23	431.07	1.7152+01	2.7144+00	8.9215-03	2.7144+00	8.9215-03	1.2747-02	2.0364-01	1.9178+05	2.2454-03	1.6410+00
24	439.76	1.0016+00	1.6190-01	5.3578-04	1.6190-01	5.3578-04	7.6553-04	1.2230-02	1.1517+04	1.3489-04	3.6090+00
25	454.05	5.4286-01	8.6489-02	2.8951-04	8.6489-02	2.8951-04	4.1366-04	6.6084-03	6.2233+03	7.2932-05	3.3930+00
26	467.89	8.8727-01	1.4357-01	4.8599-04	1.4357-01	4.8599-04	6.9439-04	1.1093-02	1.0447+04	1.2249-04	3.7770+00
27	462.21	2.8743+01	4.6189+00	1.5563-02	4.6189+00	1.5563-02	2.2237-02	3.5525-01	3.3455+05	3.9219-03	7.1100-01
28	449.14	2.7741+01	4.4862+00	1.4958-02	4.4862+00	1.4958-02	2.1372-02	3.4143-01	3.2154+05	3.7674-03	1.0880+00
29	438.72	1.6736+01	2.7277+00	9.0196-03	2.7277+00	9.0196-03	1.2887-02	2.0588-01	1.9389+05	2.2708-03	1.3070+00
30	425.65	1.2834+01	2.0789+00	6.8035-03	2.0789+00	6.8035-03	9.7209-03	1.5530-01	1.4625+05	1.7120-03	1.6410+00
31	420.09	9.2265+00	1.5107+00	4.9225-03	1.5107+00	4.9225-03	7.0334-03	1.1236-01	1.0581+05	1.2384-03	1.7720+00
32	438.11	4.1060+00	6.7092-01	2.2174-03	6.7092-01	2.2174-03	3.1683-03	5.0615-02	4.7666+04	5.5825-04	2.4660+00
33	456.76	3.8405+00	6.3753-01	2.1387-03	6.3753-01	2.1387-03	3.0558-03	4.8819-02	4.5974+04	5.3883-04	3.0090+00
34	471.69	2.0073+00	3.3159-01	1.1260-03	3.3159-01	1.1260-03	1.6088-03	2.5701-02	2.4203+04	2.8384-04	3.3930+00
35	480.19	3.0805-01	4.9024-02	1.6763-04	4.9024-02	1.6763-04	2.3951-04	3.8264-03	3.6034+03	4.2272-05	3.7770+00
36	437.70	1.1896+01	1.9144+00	6.3250-03	1.9144+00	6.3250-03	9.0372-03	1.4438-01	1.3596+05	1.5923-03	1.3070+00
37	447.90	7.0078+00	1.1665+00	3.8856-03	1.1665+00	3.8856-03	5.5519-03	8.8695-02	8.3526+04	9.7861-04	2.4660+00
38	473.61	1.5158+00	2.5073-01	8.5271-04	2.5073-01	8.5271-04	1.2184-03	1.9464-02	1.8330+04	2.1497-04	3.0090+00
39	483.13	1.2005+00	1.9863-01	6.8081-04	1.9863-01	6.8081-04	9.7275-04	1.5540-02	1.4635+04	1.7170-04	3.3930+00
40	488.31	9.7299-01	1.6006-01	5.5099-04	1.6006-01	5.5099-04	7.8726-04	1.2577-02	1.1844+04	1.3899-04	3.7770+00
41	489.83	3.2104-01	5.1737-02	1.7832-04	5.1737-02	1.7832-04	2.5479-04	4.0704-03	3.8332+03	4.4985-05	4.1620+00
43	468.40	7.3195-01	1.2246-01	4.1471-04	1.2246-01	4.1471-04	5.9255-04	9.4663-03	8.9146+03	1.0453-04	5.3230+00
47	445.18	6.3662+00	1.0265+00	3.3919-03	1.0205+00	3.3919-03	4.8465-03	7.7425-02	7.2913+04	8.5418-04	7.1100-01
48	453.12	2.4496+01	4.0202+00	1.3447-02	4.0202+00	1.3447-02	1.9214-02	3.0695-01	2.8906+05	3.3874-03	1.0880+00
49	435.93	1.5503+01	2.5293+00	8.3451-03	2.5293+00	8.3451-03	1.1924-02	1.9049-01	1.7939+05	2.1008-03	1.3070+00
50	429.35	1.1325+01	1.8501+00	6.0724-03	1.8501+00	6.0724-03	8.6763-03	1.3861-01	1.3053+05	1.5282-03	1.6410+00
51	430.95	8.0873+00	1.3344+00	4.3852-03	1.3344+00	4.3852-03	6.2657-03	1.0010-01	9.4264+04	1.1037-03	1.7720+00
52	449.23	1.5226+00	2.5443-01	8.4839-04	2.5443-01	8.4839-04	1.2122-03	1.9366-02	1.8237+04	2.1368-04	2.4660+00
53	478.73	1.3371+00	2.2192-01	7.5792-04	2.2192-01	7.5792-04	1.0829-03	1.7300-02	1.6292+04	1.9111-04	3.0090+00
54	487.79	1.8639+00	3.0745-01	1.0579-03	3.0745-01	1.0579-03	1.5115-03	2.4148-02	2.2740+04	2.6685-04	3.3930+00
55	490.38	1.7678+00	2.8677-01	9.8884-04	2.8677-01	9.8884-04	1.4129-03	2.2571-02	2.1256+04	2.4946-04	3.7770+00
56	446.84	2.1761+00	3.3332-01	1.1093-03	3.3332-01	1.1093-03	1.5850-03	2.5321-02	2.3846+04	2.7937-04	4.1100-01
57	445.50	5.6010+00	8.9261-01	2.9675-03	8.9261-01	2.9675-03	4.2400-03	6.7737-02	6.3789+04	7.4731-04	7.1100-01
58	434.18	8.7829+00	1.4227+00	4.6874-03	1.4227+00	4.6874-03	6.6975-03	1.0700-01	1.0076+05	1.1799-03	1.0880+00
59	432.68	1.3392+01	2.1735+00	7.1526-03	2.1735+00	7.1526-03	1.0220-02	1.6327-01	1.5375+05	1.8003-03	1.3070+00
60	432.14	9.2047+00	1.4978+00	4.9269-03	1.4978+00	4.9269-03	7.0397-03	1.1246-01	1.0591+05	1.2401-03	1.6410+00
61	482.14	1.1060+00	1.8342-01	6.2817-04	1.8342-01	6.2817-04	8.9754-04	1.4339-02	1.3503+04	1.5842-04	3.0090+00
62	490.17	8.1195-01	1.3414-01	4.6247-04	1.3414-01	4.6247-04	6.6079-04	1.0556-02	9.9412+03	1.1667-04	3.3930+00
63	491.28	6.2961-01	1.0219-01	3.5265-04	1.0219-01	3.5265-04	5.0387-04	8.0497-03	7.5806+03	8.8968-05	3.7770+00
64	433.63	6.7969+00	1.1236+00	3.7003-03	1.1236+00	3.7003-03	5.2870-03	8.4464-02	7.9541+04	9.3142-04	1.0880+00
65	427.47	5.8187+00	9.5772-01	3.1388-03	9.5772-01	3.1388-03	4.4848-03	7.1647-02	6.7472+04	7.8990-04	1.3070+00
66	432.13	7.3153+00	1.2080+00	3.9737-03	1.2080+00	3.9737-03	5.6777-03	9.0704-02	8.5418+04	1.0002-03	1.6410+00
69	451.98	8.2650-01	1.3837-01	4.6241-04	1.3837-01	4.6241-04	6.6070-04	1.0555-02	9.9399+03	1.1648-04	4.1100-01
70	448.44	2.6026-01	4.3467-02	1.4485-04	4.3467-02	1.4485-04	2.0696-04	3.3063-03	3.1136+03	3.6481-05	7.1100-01
71	433.45	9.5740-01	1.5778-01	5.1956-04	1.5778-01	5.1956-04	7.4236-04	1.1860-02	1.1168+04	1.3078-04	1.3070+00
72	441.98	1.3200+00	2.1948-01	7.2762-04	2.1948-01	7.2762-04	1.0396-03	1.6609-02	1.5641+04	1.8321-04	1.6410+00
73	463.74	8.1403-01	1.3215-01	4.4584-04	1.3215-01	4.4584-04	6.3703-04	1.0177-02	9.5838+03	1.1236-04	3.7770+00
74	454.08	1.2436+00	2.0363-01	6.8164-04	2.0363-01	6.8164-04	9.7394-04	1.5559-02	1.4653+04	1.7171-04	5.3230+00
77	440.65	4.5179+00	7.4392-01	2.4636-03	7.4392-01	2.4636-03	3.5201-03	5.6236-02	5.2958+04	6.2030-04	3.0090+00
78	457.26	3.6504+00	6.0079-01	2.0163-03	6.0079-01	2.0163-03	2.8809-03	4.6024-02	4.3342+04	5.0799-04	3.3930+00
79	471.26	2.3584+00	3.8481-01	1.3062-03	3.8481-01	1.3062-03	1.8663-03	2.9816-02	2.8078+04	3.2927-04	3.7770+00
80	427.18	5.4358+00	8.9714-01	2.9396-03	8.9714-01	2.9396-03	4.2001-03	6.7100-02	6.3189+04	7.3975-04	2.4660+00
81	444.32	3.8343+00	6.3296-01	2.1023-03	6.3296-01	2.1023-03	3.0038-03	4.7988-02	4.5191+04	5.2940-04	3.0090+00
82	454.56	3.3584+00	5.5337-01	1.8531-03	5.5337-01	1.8531-03	2.6478-03	4.2299-02	3.9834+04	4.6683-04	3.3930+00
83	470.40	3.4530+00	5.6992-01	1.9332-03	5.6992-01	1.9332-03	2.7622-03	4.4127-02	4.1556+04	4.8731-04	3.7770+00
337	467.83	1.1916+01	2.2111+00	7.4844-03	2.2111+00	7.4844-03	1.0694-02	1.7084-01	1.6088+05	1.8864-03	7.1680+00
339	470.52	8.7797+00	1.6668+00	5.6545-03	1.6668+00	5.6545-03	8.0792-03	1.2907-01	1.2155+05	1.4254-03	8.1130+00
340	468.61	3.4151+00	6.3400-01	2.1474-03	6.3400-01	2.1474-03	3.0682-03	4.9017-02	4.6160+04	5.4127-04	8.6180+00
342	461.12	9.0696+00	1.7289+00	5.8204-03	1.7289+00	5.8204-03	8.3163-03	1.3286-01	1.2512+05	1.4667-03	7.1680+00
344	461.31	6.0525+00	1.1479+00	3.8652-03	1.1479+00	3.8652-03	5.5226-03	8.8227-02	8.3086+04	9.7397-04	8.1130+00
347	470.84	5.5683+00	1.0353+00	3.5130-03	1.0353+00	3.5130-03	5.0194-03	8.0188-02	7.5514+04	8.8554-04	7.1680+00
349	455.98	3.1216+00	5.8839-01	1.9726-03	5.8839-01	1.9726-03	2.8185-03	4.5028-02	4.2403+04	4.9697-04	8.1130+00
350	450.45	7.1844-01	1.2437-01	4.1512-04	1.2437-01	4.1512-04	5.9313-04	9.4755-03	8.9233+03	1.0456-04	8.6180+00
352	478.79	5.5221-01	1.0073-01	3.4405-04	1.0073-01	3.4405-04	4.9158-04	7.8533-03	7.3956+03	8.6754-05	7.1680+00
354	467.24	1.2239+00	2.3185-01	7.8441-04	2.3185-01	7.8441-04	1.1208-03	1.7905-02	1.6862+04	1.9770-04	8.1130+00
357	487.52	1.9429+00	3.5548-01	1.2229-03	3.5548-01	1.2229-03	1.7473-03	2.7914-02	2.6287+04	3.0847-04	7.1680+00
359	482.62	2.1927+00	3.9225-01	1.3439-03	3.9225-01	1.3439-03	1.9202-03	3.0676-02	2.8888+04	3.3893-04	8.1130+00
401	482.08	3.7539+01	3.1689+00	1.0852-02	3.1689+00	1.0852-02	1.5506-02	2.4772-01	2.3328+05	2.7369-03	4.5500-01
403	460.08	1.4215+01	1.1685+00	3.9304-03	1.1685+00	3.9304-03	5.6158-03	8.9716-02	8.4487+04	9.9035-04	6.8600-01
404	463.90	2.0305+01	1.6834+00	5.6802-03	1.6834+00	5.6802-03	8.1160-03	1.2966-01	1.2210+05	1.4315-03	8.0100-01
405	472.52	3.3143+01	2.7473+00	9.3349-03	2.7473+00	9.3349-03	1.3338-02	2.1308-01	2.0066+05	2.3533-03	1.0510+00
406	465.98	3.5297+01	2.9305+00	9.9046-03	2.9305+00	9.9046-03	1.4152-02	2.2609-01	2.1291+05	2.4963-03	1.1670+00
407	466.25	3.9016+01	3.2977+00	1.1148-02	3.2977+00	1.1148-02	1.5928-02	2.5447-01	2.3964+05	2.8097-03	1.2830+00
408	463.12	1.6420+01	1.3363+00	4.5060-03	1.3363+00	4.5060-03	6.4383-03	1.0286-01	9.6861+04	1.1355-03	5.1300-01
409	447.10	2.2992+00	1.8846-01	6.2734-04	1.8846-01	6.2734-04	8.9635-04	1.4320-02	1.3485+04	1.5799-04	5.7000-01
410	456.61	9.6888+00	7.7079-01	2.5855-03	7.7079-01	2.5855-03	3.6941-03	5.9016-02	5.5577+04	6.5138-04	6.2800-01
411	446.18	2.6722+00	2.1889-01	7.2811-04	2.1889-01	7.2811-04	1.0403-03	1.6620-02	1.5651+04	1.8336-04	6.8600-01
412	472.52	1.4357+01	1.1901+00	4.0437-03	1.1901+00	4.0437-03	5.7777-03	9.2302-02	8.6922+04	1.0194-03	7.4400-01
413	444.85	3.7787+00	3.1109-01	1.0337-03	3.1109-01	1.0337-03	1.4769-03	2.3595-02	2.2220+04	2.6031-04	8.0100-01
414	465.13	2.5329+01	2.0892+00	7.0563-03	2.0892+00	7.0563-03	1.0082-02	1.6107-01	1.5168+05	1.7783-03	8.5900-01
415	441.33	4.6857+00	3.8254-01	1.2675-03	3.8254-01	1.2675-03	1.8111-03	2.8933-02	2.7247+04	3.1915-04	9.1700-01
416	460.93	1.3282+01	1.0205+00	3.4350-03	1.0205+00	3.4350-03	4.9080-03	7.8408-02	7.3839+04	8.6556-04	5.7000-01
417	467.75	3.1661+01	2.6161+00	8.8546-03	2.6161+00	8.8546-03	1.2652-02	2.0212-01	1.9034+05	2.2318-03	1.0520+00

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9 1 -3.04 -15.04 .00 -.00 402 11 2.45 10.04 212.7 1639.6

8.01627+01 4.71947-03 3.32981-01 4.40449+03 4.93950-06 6.49318-08 2.81096-02 7.72000+00 6.66545-06 7.52047-02

1	458.88	8.5647+00	1.4406+00	4.8435-03	1.4406+00	4.8435-03	6.9195-03	1.1056-01	1.0414+05	1.2201-03	4.1100-01
2	465.22	2.2492+01	3.7996+00	1.2840-02	3.7996+00	1.2840-02	1.8344-02	2.9310-01	2.7608+05	3.2354-03	7.1100-01
3	461.92	1.9975+01	3.3667+00	1.1347-02	3.3667+00	1.1347-02	1.6211-02	2.5901-01	2.4398+05	2.8588-03	1.3070+00
4	452.13	2.3137+01	3.8739+00	1.2954-02	3.8739+00	1.2954-02	1.8506-02	2.9568-01	2.7852+05	3.2623-03	1.6410+00
5	434.15	1.4815+01	2.5645+00	8.4533-03	2.5645+00	8.4533-03	1.2077-02	1.9296-01	1.8176+05	2.1275-03	1.7720+00
6	424.97	5.7533+00	9.3145-01	3.0481-03	9.3145-01	3.0481-03	4.3546-03	6.9578-02	6.5540+04	7.6686-04	2.4660+00
7	442.47	4.7662+00	7.7885-01	2.5843-03	7.7885-01	2.5843-03	3.6919-03	5.8989-02	5.5566+04	6.5060-04	3.0090+00
8	455.34	4.7683+00	7.7908-01	2.6118-03	7.7908-01	2.6118-03	3.7313-03	5.9619-02	5.6158+04	6.5786-04	3.3930+00
9	469.68	5.1070+00	8.4252-01	2.8576-03	8.4252-01	2.8576-03	4.0824-03	6.5228-02	6.1442+04	7.2016-04	3.7770+00
10	487.04	4.3953+00	7.3567-01	2.5310-03	7.3567-01	2.5310-03	3.6159-03	5.7774-02	5.4421+04	6.3830-04	5.3230+00
14	465.41	3.0733+01	5.1923+00	1.7549-02	5.1923+00	1.7549-02	2.5071-02	4.0059-01	3.7734+05	4.4220-03	1.0880+00
15	450.23	1.3057+01	2.1834+00	7.2898-03	2.1834+00	7.2898-03	1.0414-02	1.6640-01	1.5674+05	1.8358-03	1.3070+00
16	446.47	2.1829+01	3.6408+00	1.2119-02	3.6408+00	1.2119-02	1.7314-02	2.7663-01	2.6058+05	3.0515-03	1.6410+00
19	461.68	1.0372+01	1.5895+00	5.3561-03	1.5895+00	5.3561-03	7.6518-03	1.2226-01	1.1516+05	1.3494-03	4.1100-01
20	461.74	1.5678+01	2.5186+00	8.4874-03	2.5186+00	8.4874-03	1.2125-02	1.9373-01	1.8249+05	2.1383-03	7.1100-01
21	446.61	1.4442+01	2.3314+00	7.7615-03	2.3314+00	7.7615-03	1.1088-02	1.7716-01	1.6688+05	1.9543-03	1.0880+00
22	445.08	1.6609+01	2.6947+00	8.9598-03	2.6947+00	8.9598-03	1.2800-02	2.0452-01	1.9265+05	2.2559-03	1.3070+00
23	435.38	1.7163+01	2.7244+00	8.9889-03	2.7244+00	8.9889-03	1.2842-02	2.0518-01	1.9327+05	2.2624-03	1.6410+00
24	440.02	1.0571+00	1.7091-01	5.6600-04	1.7091-01	5.6600-04	8.0860-04	1.2920-02	1.2170+04	1.4248-04	3.0090+00
25	454.20	6.0104-01	9.5768-02	3.2076-04	9.5768-02	3.2076-04	4.5825-04	7.3218-03	6.8969+03	8.0790-05	3.3930+00
26	468.12	8.7377-01	1.4140-01	4.7898-04	1.4140-01	4.7898-04	6.8429-04	1.0933-02	1.0299+04	1.2071-04	3.7770+00
27	469.67	2.9432+01	4.7534+00	1.6122-02	4.7534+00	1.6122-02	2.3032-02	3.6801-01	3.4665+05	4.0630-03	7.1100-01
28	456.01	2.7590+01	4.4828+00	1.5037-02	4.4828+00	1.5037-02	2.1482-02	3.4323-01	3.2331+05	3.7875-03	1.0880+00
29	442.88	1.6512+01	2.6950+00	8.9585-03	2.6950+00	8.9585-03	1.2798-02	2.0449-01	1.9262+05	2.2554-03	1.3070+00
30	428.88	1.2909+01	2.0957+00	6.8792-03	2.0957+00	6.8792-03	9.8277-03	1.5703-01	1.4791+05	1.7309-03	1.6410+00
31	422.37	9.2494+00	1.5169+00	4.9539-03	1.5169+00	4.9539-03	7.0772-03	1.1308-01	1.0652+05	1.2462-03	1.7720+00
32	439.13	4.1184+00	6.7343-01	2.2286-03	6.7343-01	2.2286-03	3.1838-03	5.0870-02	4.7918+04	5.6098-04	2.4660+00
33	457.72	3.8400+00	6.3786-01	2.1425-03	6.3786-01	2.1425-03	3.0608-03	4.8906-02	4.6067+04	5.3970-04	3.0090+00
34	472.19	1.9761+00	3.2655-01	1.1098-03	3.2655-01	1.1098-03	1.5855-03	2.5333-02	2.3863+04	2.7972-04	3.3930+00
35	480.27	3.2727-01	5.2086-02	1.7820-04	5.2086-02	1.7820-04	2.5458-04	4.0676-03	3.8315+03	4.4928-05	3.7770+00
36	440.65	1.1766+01	1.9007+00	6.2975-03	1.9007+00	6.2975-03	8.9968-03	1.4375-01	1.3541+05	1.5853-03	1.3070+00
37	449.69	6.7974+00	1.1329+00	3.7808-03	1.1329+00	3.7808-03	5.4014-03	8.6303-02	8.1294+04	9.5210-04	2.4660+00
38	474.01	1.5314+00	2.5337-01	8.6240-04	2.5337-01	8.6240-04	1.2320-03	1.9685-02	1.8543+04	2.1738-04	3.0090+00
39	483.55	1.2592+00	2.0839-01	7.1489-04	2.0839-01	7.1489-04	1.0213-03	1.6318-02	1.5371+04	1.8026-04	3.3930+00
40	488.55	9.4857-01	1.5607-01	5.3762-04	1.5607-01	5.3762-04	7.6805-04	1.2272-02	1.1560+04	1.3559-04	3.7770+00
41	489.90	3.0234-01	4.8726-02	1.6803-04	4.8726-02	1.6803-04	2.4006-04	3.8356-03	3.6130+03	4.2381-05	4.1620+00
43	468.58	7.6987-01	1.2882-01	4.3653-04	1.2882-01	4.3653-04	6.2363-04	9.9643-03	9.3860+03	1.1001-04	5.3230+00
47	446.74	6.1621+00	9.8887-01	3.2923-03	9.8887-01	3.2923-03	4.7035-03	7.5152-02	7.0790+04	8.2899-04	7.1100-01
48	459.20	2.4301+01	4.0048+00	1.3468-02	4.0048+00	1.3468-02	1.9241-02	3.0742-01	2.8958+05	3.3928-03	1.0880+00
49	439.79	1.5498+01	2.5354+00	8.3946-03	2.5354+00	8.3946-03	1.1993-02	1.9162-01	1.8050+05	2.1131-03	1.3070+00
50	432.20	1.1331+01	1.8548+00	6.1044-03	1.8548+00	6.1044-03	8.7209-03	1.3934-01	1.3125+05	1.5362-03	1.6410+00
51	432.92	7.9455+00	1.3128+00	4.3231-03	1.3128+00	4.3231-03	6.1760-03	9.8680-02	9.2953+04	1.0879-03	1.7720+00
52	449.61	1.4810+00	2.4755-01	8.2609-04	2.4755-01	8.2609-04	1.1802-03	1.8857-02	1.7762+04	2.0803-04	2.4660+00
53	479.06	1.3901+00	2.3077-01	7.8872-04	2.3077-01	7.8872-04	1.1268-03	1.8004-02	1.6959+04	1.9885-04	3.0090+00
54	488.25	1.9148+00	3.1595-01	1.0881-03	3.1595-01	1.0881-03	1.5544-03	2.4837-02	2.3395+04	2.7442-04	3.3930+00
55	490.84	1.8010+00	2.9225-01	1.0086-03	2.9225-01	1.0086-03	1.4409-03	2.3023-02	2.1687+04	2.5440-04	3.7770+00
56	447.32	2.0992+00	3.2165-01	1.0714-03	3.2165-01	1.0714-03	1.5306-03	2.4456-02	2.3037+04	2.6978-04	4.1100-01
57	446.91	5.5403+00	8.8378-01	2.9429-03	8.8378-01	2.9429-03	4.2042-03	6.7174-02	6.3276+04	7.4100-04	7.1100-01
58	436.51	9.3247+00	1.5129+00	4.9963-03	1.5129+00	4.9963-03	7.1378-03	1.1405-01	1.0743+05	1.2575-03	1.0880+00
59	436.03	1.3168+01	2.1422+00	7.0717-03	2.1422+00	7.0717-03	1.0103-02	1.6142-01	1.5205+05	1.7799-03	1.3070+00
60	434.43	9.2234+00	1.5032+00	4.9561-03	1.5032+00	4.9561-03	7.0804-03	1.1313-01	1.0656+05	1.2473-03	1.6410+00
61	482.39	1.0566+00	1.7526-01	6.0066-04	1.7526-01	6.0066-04	8.5811-04	1.3711-02	1.2915+04	1.5145-04	3.0090+00
62	490.37	6.3741-01	1.3836-01	4.7734-04	1.3836-01	4.7734-04	6.8194-04	1.0896-02	1.0264+04	1.2040-04	3.3930+00
63	491.44	6.2338-01	1.0119-01	3.4942-04	1.0119-01	3.4942-04	4.9918-04	7.9758-03	7.5129+03	8.8135-05	3.7770+00
64	435.33	6.7527+00	1.1176+00	3.6873-03	1.1176+00	3.6873-03	5.2678-03	8.4168-02	7.9283+04	9.2804-04	1.0880+00
65	428.95	5.8904+00	9.7052-01	3.1860-03	9.7052-01	3.1860-03	4.5515-03	7.2724-02	6.8503+04	8.0166-04	1.3070+00
66	433.95	7.3397+00	1.2136+00	3.9996-03	1.2136+00	3.9996-03	5.7139-03	9.1296-02	8.5998+04	1.0066-03	1.6410+00
69	452.18	9.4079-01	1.5753-01	5.2676-04	1.5753-01	5.2676-04	7.5254-04	1.2024-02	1.1326+04	1.3266-04	4.1100-01
70	448.49	1.8493-01	3.0888-02	1.0298-04	3.0888-02	1.0298-04	1.4712-04	2.3507-03	2.2143+03	2.5932-05	7.1100-01
71	433.69	9.5273-01	1.5704-01	5.1745-04	1.5704-01	5.1745-04	7.3923-04	1.1811-02	1.1126+04	1.3022-04	1.3070+00
72	442.31	1.2925+00	2.1495-01	7.1312-04	2.1495-01	7.1312-04	1.0188-03	1.6278-02	1.5333+04	1.7953-04	1.6410+00
73	463.92	8.3481-01	1.3554-01	4.5757-04	1.3554-01	4.5757-04	6.5369-04	1.0445-02	9.8384+03	1.1529-04	3.7770+00
74	454.38	1.2301+00	2.0146-01	6.7487-04	2.0146-01	6.7487-04	9.6412-04	1.5405-02	1.4511+04	1.6998-04	5.3230+00
77	441.74	4.5278+00	7.4611-01	2.4742-03	7.4611-01	2.4742-03	3.5347-03	5.6477-02	5.3199+04	6.2287-04	3.0090+00
78	458.17	3.6145+00	5.9526-01	2.0002-03	5.9526-01	2.0002-03	2.8575-03	4.5656-02	4.3006+04	5.0385-04	3.3930+00
79	471.66	2.3917+00	3.9039-01	1.3264-03	3.9039-01	1.3264-03	1.8950-03	3.0278-02	2.8520+04	3.3432-04	3.7770+00
80	428.57	5.6623+00	9.3543-01	3.0699-03	9.3543-01	3.0699-03	4.3857-03	7.0074-02	6.6007+04	7.7244-04	2.4660+00
81	445.24	3.8255+00	6.3190-01	2.1013-03	6.3190-01	2.1013-03	3.0020-03	4.7966-02	4.5182+04	5.2907-04	3.0090+00
82	455.35	3.2348+00	5.3329-01	1.7878-03	5.3329-01	1.7878-03	2.5541-03	4.0810-02	3.8441+04	4.5032-04	3.3930+00
83	471.23	3.4431+00	5.6861-01	1.9310-03	5.6861-01	1.9310-03	2.7586-03	4.4077-02	4.1519+04	4.8667-04	3.7770+00
337	470.82	1.1851+01	2.2034+00	7.4803-03	2.2034+00	7.4803-03	1.0686-02	1.7075-01	1.6084+05	1.8852-03	7.1680+00
339	472.72	8.8405+00	1.6868+00	5.7150-03	1.6868+00	5.7150-03	8.1646-03	1.3045-01	1.2288+05	1.4405-03	8.1130+00
340	469.45	3.3984+00	6.3127-01	2.1407-03	6.3127-01	2.1407-03	3.0582-03	4.8863-02	4.6027+04	5.3948-04	8.6180+00
342	463.40	9.1491+00	1.7467+00	5.8942-03	1.7467+00	5.8942-03	8.4206-03	1.3454-01	1.2673+05	1.4851-03	7.1680+00
344	462.83	6.0218+00	1.1433+00	3.8562-03	1.1433+00	3.8562-03	5.5090-03	8.8022-02	8.2913+04	9.7157-04	8.1130+00
347	472.23	5.5631+00	1.0353+00	3.5186-03	1.0353+00	3.5186-03	5.0268-03	8.0317-02	7.5656+04	8.8685-04	7.1680+00
349	456.76	3.1626+00	5.9644-01	2.0018-03	5.9644-01	2.0018-03	2.8599-03	4.5694-02	4.3042+04	5.0425-04	8.1130+00
350	450.62	6.8883-01	1.1926-01	3.9830-04	1.1926-01	3.9830-04	5.6901-04	9.0916-03	8.5640+03	1.0030-04	8.6180+00
352	478.91	4.8415-01	8.8327-02	3.0185-04	8.8327-02	3.0185-04	4.3123-04	6.8901-03	6.4902+03	7.6099-05	7.1680+00
354	467.53	1.1049+00	2.0935-01	7.0881-04	2.0935-01	7.0881-04	1.0126-03	1.6180-02	1.5241+04	1.7862-04	8.1130+00
357	487.99	1.9418+00	3.5540-01	1.2237-03	3.5540-01	1.2237-03	1.7482-03	2.7932-02	2.6311+04	3.0861-04	7.1680+00
359	483.16	2.1553+00	3.8569-01	1.3227-03	3.8569-01	1.3227-03	1.8896-03	3.0192-02	2.8440+04	3.3352-04	8.1130+00
401	491.13	3.5290+01	7.9967+00	1.0345-02	2.9967+00	1.0345-02	1.4779-02	2.3614-01	2.2243+05	2.6093-03	4.5500-01
403	463.49	1.3371+01	1.1017+00	3.7177-03	1.1017+00	3.7177-03	5.3112-03	8.4861-02	7.9936+04	9.3670-04	6.8600-01
404	468.85	1.9744+01	1.6424+00	5.5667-03	1.6424+00	5.5667-03	7.9528-03	1.2707-01	1.1969+05	1.4029-03	8.0100-01
405	480.51	3.1472+01	2.6226+00	8.9742-03	2.6226+00	8.9742-03	1.2821-02	2.0485-01	1.9296+05	2.2626-03	1.0510+00
406	474.66	3.3948+01	2.8349+00	9.6541-03	2.8349+00	9.6541-03	1.3792-02	2.2037-01	2.0758+05	2.4335-03	1.1670+00
407	475.75	3.7078+01	3.1538+00	1.0750-02	3.1538+00	1.0750-02	1.5357-02	2.4538-01	2.3114+05	2.7098-03	1.2830+00
408	467.25	1.6540+01	1.3498+00	4.5691-03	1.3498+00	4.5691-03	6.5275-03	1.0430-01	9.8243+04	1.1514-03	5.1300-01
409	447.67	2.4156+00	1.9807-01	6.5996-04	1.9807-01	6.5996-04	9.4283-04	1.5064-02	1.4190+04	1.6618-04	5.7000-01
410	459.09	1.0081+01	8.0334-01	2.7013-03	8.0334-01	2.7013-03	3.8592-03	6.1661-02	5.8083+04	6.8051-04	6.2800-01
411	446.89	2.9335+00	2.4041-01	8.0053-04	2.4041-01	8.0053-04	1.1437-03	1.8273-02	1.7213+04	2.0157-04	6.8600-01
412	476.18	1.4756+01	1.2261+00	4.1807-03	1.2261+00	4.1807-03	5.9727-03	9.5430-02	8.9892+04	1.0539-03	7.4400-01
413	445.86	4.0499+00	3.3364-01	1.1101-03	3.3364-01	1.1101-03	1.5859-03	2.5339-02	2.3868+04	2.7950-04	8.0100-01
414	471.47	2.5242+01	2.0909+00	7.1020-03	2.0909+00	7.1020-03	1.0146-02	1.6211-01	1.5270+05	1.7900-03	8.5900-01
415	442.55	4.9891+00	4.0765-01	1.3527-03	4.0765-01	1.3527-03	1.9325-03	3.0877-02	2.9085+04	3.4055-04	9.1700-01
416	464.22	1.3044+01	1.0044+00	3.3915-03	1.0044+00	3.3915-03	4.8451-03	7.7415-02	7.2922+04	8.5453-04	5.7000-01
417	475.60	3.1138+01	2.5863+00	8.8146-03	2.5863+00	8.8146-03	1.2593-02	2.0120-01	1.8953+05	2.2220-03	1.0520+00

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9 1 -3.04 -15.04 .00 -.00 402 11 2.70 10.04 212.7 1639.8

8.01717+01 4.71940-03 3.32976-01 4.40474+03 4.93888-06 6.49391-08 2.81045-02 7.72000+00 6.66631-06 7.52035-02

1	461.03	8.7449+00	1.4731+00	4.9596-03	1.4731+00	4.9596-03	7.0859-03	1.1321-01	1.0663+05	1.2497-03	4.1100-01
2	470.82	2.2342+01	3.7884+00	1.2857-02	3.7884+00	1.2857-02	1.8369-02	2.9347-01	2.7640+05	3.2409-03	7.1100-01
3	466.89	2.0003+01	3.3829+00	1.1444-02	3.3829+00	1.1444-02	1.6350-02	2.6122-01	2.4603+05	2.8843-03	1.3070+00
4	457.87	2.3039+01	3.8727+00	1.3006-02	3.8727+00	1.3006-02	1.8581-02	2.9687-01	2.7960+05	3.2767-03	1.6410+00
5	437.83	1.4682+01	2.5460+00	8.4208-03	2.5480+00	8.4208-03	1.2031-02	1.9222-01	1.8104+05	2.1200-03	1.7720+00
6	426.42	5.9158+00	9.5876-01	3.1401-03	9.5876-01	3.1401-03	4.4863-03	7.1677-02	6.7509+04	7.9018-04	2.4660+00
7	443.65	4.6795+00	7.6529-01	2.5409-03	7.6529-01	2.5409-03	3.6302-03	5.7999-02	5.4626+04	6.3982-04	3.0090+00
8	456.54	4.6857+00	7.6621-01	2.5704-03	7.6621-01	2.5704-03	3.6723-03	5.8672-02	5.5260+04	6.4756-04	3.3930+00
9	470.95	5.0353+00	8.3140-01	2.8218-03	8.3140-01	2.8218-03	4.0316-03	6.4412-02	6.0666+04	7.1131-04	3.7770+00
10	488.12	4.3397+00	7.2688-01	2.5022-03	7.2688-01	2.5022-03	3.5749-03	5.7116-02	5.3794+04	6.3117-04	5.3230+00
14	472.95	2.9636+01	5.0326+00	1.7109-02	5.0326+00	1.7109-02	2.4444-02	3.9053-01	3.6782+05	4.3131-03	1.0880+00
15	453.46	1.3100+01	2.1954+00	7.3464-03	2.1954+00	7.3464-03	1.0496-02	1.6769-01	1.5794+05	1.8506-03	1.3070+00
16	451.84	2.1449+01	3.5907+00	1.2000-02	3.5907+00	1.2000-02	1.7144-02	2.7391-01	2.5798+05	3.0226-03	1.6410+00
19	464.20	1.0028+01	1.5394+00	5.1963-03	1.5394+00	5.1963-03	7.4240-03	1.1861-01	1.1171+05	1.3095-03	4.1100-01
20	465.79	1.6519+01	2.6610+00	8.9940-03	2.6610+00	8.9940-03	1.2850-02	2.0530-01	1.9336+05	2.2667-03	7.1100-01
21	450.17	1.4272+01	2.3097+00	7.7087-03	2.3097+00	7.7087-03	1.1014-02	1.7596-01	1.6573+05	1.9416-03	1.0880+00
22	449.19	1.6245+01	2.6431+00	8.8145-03	2.6431+00	8.8145-03	1.2593-02	2.0120-01	1.8950+05	2.2200-03	1.3070+00
23	439.67	1.7083+01	2.7197+00	9.0013-03	2.7197+00	9.0013-03	1.2860-02	2.0547-01	1.9352+05	2.2663-03	1.6410+00
24	440.27	9.9844-01	1.6145-01	5.3461-04	1.6145-01	5.3461-04	7.6380-04	1.2203-02	1.1493+04	1.3460-04	3.0090+00
25	454.32	5.9533-01	9.4866-02	3.1767-04	9.4866-02	3.1767-04	4.5387-04	7.2513-03	6.8296+03	8.0026-05	3.3930+00
26	468.33	8.6078-01	1.3932-01	4.7186-04	1.3932-01	4.7186-04	6.7416-04	1.0771-02	1.0144+04	1.1893-04	3.7770+00
27	477.04	2.9219+01	4.7422+00	1.6176-02	4.7422+00	1.6176-02	2.3111-02	3.6924-01	3.4776+05	4.0786-03	7.1100-01
28	462.92	2.7485+01	4.4867+00	1.5129-02	4.4867+00	1.5129-02	2.1615-02	3.4534-01	3.2526+05	3.8125-03	1.0880+00
29	446.99	1.6019+01	2.6257+00	8.7409-03	2.6257+00	8.7409-03	1.2488-02	1.9952-01	1.8792+05	2.2013-03	1.3070+00
30	432.11	1.2883+01	2.0962+00	6.8963-03	2.0962+00	6.8963-03	9.8529-03	1.5742-01	1.4826+05	1.7358-03	1.6410+00
31	424.67	9.2239+00	1.5152+00	4.9557-03	1.5152+00	4.9557-03	7.0802-03	1.1312-01	1.0654+05	1.2470-03	1.7720+00
32	440.15	4.1636+00	6.8131-01	2.2558-03	6.8131-01	2.2558-03	3.2228-03	5.1490-02	4.8496+04	5.6794-04	2.4660+00
33	458.70	3.8732+00	6.4381-01	2.1635-03	6.4381-01	2.1635-03	3.0911-03	4.9385-02	4.6513+04	5.4511-04	3.0090+00
34	472.68	1.9595+00	3.2391-01	1.1009-03	3.2391-01	1.1009-03	1.5729-03	2.5130-02	2.3669+04	2.7754-04	3.3930+00
35	480.34	3.3247-01	5.2916-02	1.8099-04	5.2916-02	1.8099-04	2.5858-04	4.1313-03	3.8910+03	4.5640-05	3.7770+00
36	443.59	1.1673+01	1.8863+00	6.2624-03	1.8863+00	6.2624-03	8.9471-03	1.4295-01	1.3463+05	1.5769-03	1.3070+00
37	451.35	6.6738+00	1.1136+00	3.7201-03	1.1136+00	3.7201-03	5.3149-03	8.4915-02	7.9977+04	9.3702-04	2.4660+00
38	474.36	1.5699+00	2.5980-01	8.8423-04	2.5980-01	8.8423-04	1.2633-03	2.0184-02	1.9010+04	2.2292-04	3.0090+00
39	483.82	1.0545+00	1.7455-01	5.9874-04	1.7455-01	5.9874-04	8.5543-04	1.3667-02	1.2872+04	1.5100-04	3.3930+00
40	488.77	9.4442-01	1.5541-01	5.3526-04	1.5541-01	5.3526-04	7.6474-04	1.2218-02	1.1507+04	1.3502-04	3.7770+00
41	489.96	3.3922-01	5.4672-02	1.8849-04	5.4672-02	1.8849-04	2.6930-04	4.3025-03	4.0523+03	4.7549-05	4.1620+00
43	468.78	7.9688-01	1.3336-01	4.5183-04	1.3336-01	4.5183-04	6.4554-04	1.0314-02	9.7137+03	1.1389-04	5.3230+00
47	448.25	6.0826+00	9.7713-01	3.2562-03	9.7713-01	3.2562-03	4.6521-03	7.4326-02	7.0003+04	8.2007-04	7.1100-01
48	465.31	2.4254+01	4.0135+00	1.3560-02	4.0135+00	1.3560-02	1.9373-02	3.0952-01	2.9152+05	3.4174-03	1.0880+00
49	443.67	1.5486+01	2.5402+00	8.4341-03	2.5402+00	8.4341-03	1.2050-02	1.9252-01	1.8132+05	2.1238-03	1.3070+00
50	435.02	1.1276+01	1.8494+00	6.0984-03	1.8494+00	6.0984-03	8.7129-03	1.3920-01	1.3111+05	1.5351-03	1.6410+00
51	434.88	7.9673+00	1.3182+00	4.3462-03	1.3182+00	4.3462-03	6.2095-03	9.9208-02	9.3438+04	1.0940-03	1.7720+00
52	449.98	1.4477+00	2.5039-01	8.3556-04	2.5039-01	8.3556-04	1.1938-03	1.9073-02	1.7963+04	2.1045-04	2.4660+00
53	479.42	1.4010+00	2.3263-01	7.9508-04	2.3263-01	7.9508-04	1.1359-03	1.8149-02	1.7093+04	2.0049-04	3.0090+00
54	488.73	1.9138+00	3.1587-01	1.0879-03	3.1587-01	1.0879-03	1.5543-03	2.4833-02	2.3389+04	2.7443-04	3.3930+00
55	491.29	1.7247+00	2.7994-01	9.6618-04	2.7994-01	9.6618-04	1.3804-03	2.2054-02	2.0772+04	2.4375-04	3.7770+00
56	447.87	2.0374+00	3.1229-01	1.0404-03	3.1229-01	1.0404-03	1.4864-03	2.3748-02	2.2366+04	2.6201-04	4.1100-01
57	448.27	5.4551+00	8.7101-01	2.9026-03	8.7101-01	2.9026-03	4.1470-03	6.6255-02	6.2402+04	7.3102-04	7.1100-01
58	438.96	9.3491+00	1.5195+00	5.0261-03	1.5195+00	5.0261-03	7.1808-03	1.1473-01	1.0805+05	1.2654-03	1.0880+00
59	439.28	1.2991+01	2.1181+00	7.0080-03	2.1181+00	7.0080-03	1.0012-02	1.5997-01	1.5066+05	1.7644-03	1.3070+00
60	436.73	9.2520+00	1.5103+00	4.9870-03	1.5103+00	4.9870-03	7.1250-03	1.1383-01	1.0721+05	1.2554-03	1.6410+00
61	482.64	1.0868+00	1.8029-01	6.1781-04	1.8029-01	6.1781-04	8.8268-04	1.4102-02	1.3282+04	1.5581-04	3.0090+00
62	490.58	8.8260-01	1.4585-01	5.0310-04	1.4585-01	5.0310-04	7.1878-04	1.1484-02	1.0816+04	1.2692-04	3.3930+00
63	491.60	6.0364-01	9.7998-02	3.3832-04	9.7998-02	3.3832-04	4.8336-04	7.7226-03	7.2734+03	8.5352-05	3.7770+00
64	436.99	6.6639+00	1.1042+00	3.6467-03	1.1042+00	3.6467-03	5.2100-03	8.3240-02	7.8399+04	9.1802-04	1.0880+00
65	430.39	5.8826+00	9.7023-01	3.1876-03	9.7023-01	3.1876-03	4.5542-03	7.2762-02	6.8530+04	8.0226-04	1.3070+00
66	435.80	7.4410+00	1.2319+00	4.0647-03	1.2319+00	4.0647-03	5.8073-03	9.2782-02	8.7386+04	1.0232-03	1.6410+00
69	452.48	1.2197+00	2.0428-01	6.8304-04	2.0428-01	6.8304-04	9.7587-04	1.5591-02	1.4684+04	1.7205-04	4.1100-01
70	448.52	1.8546-01	3.0975-02	1.0324-04	3.0975-02	1.0324-04	1.4751-04	2.3567-03	2.2196+03	2.6003-05	7.1100-01
71	433.93	9.4130-01	1.5518-01	5.1127-04	1.5518-01	5.1127-04	7.3046-04	1.1670-02	1.0992+04	1.2869-04	1.3070+00
72	442.63	1.3382+00	2.2260-01	7.3847-04	2.2260-01	7.3847-04	1.0551-03	1.6856-02	1.5876+04	1.8594-04	1.6410+00
73	464.14	9.7559-01	1.5842-01	5.3473-04	1.5842-01	5.3473-04	7.6398-04	1.2206-02	1.1496+04	1.3476-04	3.7770+00
74	454.68	1.2390+00	2.0295-01	6.7980-04	2.0295-01	6.7980-04	9.7124-04	1.5517-02	1.4615+04	1.7125-04	5.3230+00
77	442.89	4.5917+00	7.5724-01	2.5126-03	7.5724-01	2.5126-03	3.5898-03	5.7354-02	5.4018+04	6.3268-04	3.0090+00
78	459.07	3.6119+00	5.9519-01	2.0007-03	5.9519-01	2.0007-03	2.8585-03	4.5670-02	4.3013+04	5.0411-04	3.3930+00
79	472.48	2.4525+00	4.0048-01	1.3610-03	4.0048-01	1.3610-03	1.9444-03	3.1066-02	2.9259+04	3.4309-04	3.7770+00
80	430.04	5.9060+00	9.7669-01	3.2079-03	9.7669-01	3.2079-03	4.5832-03	7.3225-02	6.8967+04	8.0736-04	2.4660+00
81	446.19	3.9340+00	6.5026-01	2.1634-03	6.5026-01	2.1634-03	3.0908-03	4.9381-02	4.6509+04	5.4480-04	3.0090+00
82	456.16	3.5148+00	5.7977-01	1.9443-03	5.7977-01	1.9443-03	2.7779-03	4.4381-02	4.1800+04	4.8983-04	3.3930+00
83	472.12	3.5387+00	5.8474-01	1.9866-03	5.8474-01	1.9866-03	2.8382-03	4.5346-02	4.2708+04	5.0079-04	3.7770+00
337	473.74	1.1877+01	2.2125+00	7.5265-03	2.2125+00	7.5265-03	1.0753-02	1.7180-01	1.6181+05	1.8975-03	7.1680+00
339	474.94	8.7849+00	1.6727+00	5.6960-03	1.6727+00	5.6960-03	8.1379-03	1.3002-01	1.2246+05	1.4360-03	8.1130+00
340	470.32	3.3948+00	6.3096-01	2.1404-03	6.3096-01	2.1404-03	3.0581-03	4.8858-02	4.6016+04	5.3954-04	8.6180+00
342	465.69	9.1797+00	1.7553+00	5.9322-03	1.7553+00	5.9322-03	8.4754-03	1.3541-01	1.2753+05	1.4951-03	7.1680+00
344	464.34	5.9797+00	1.1365+00	3.8366-03	1.1365+00	3.8366-03	5.4814-03	8.7574-02	8.2481+04	9.6685-04	8.1130+00
347	473.64	5.5995+00	1.0430+00	3.5479-03	1.0430+00	3.5479-03	5.0689-03	8.0985-02	7.6275+04	8.9443-04	7.1680+00
349	457.56	3.1304+00	5.9069-01	1.9832-03	5.9069-01	1.9832-03	2.8334-03	4.5268-02	4.2636+04	4.9965-04	8.1130+00
350	450.78	6.5974-01	1.1423-01	3.8145-04	1.1423-01	3.8145-04	5.4498-04	8.7070-03	8.2006+03	9.6078-05	8.6180+00
352	479.02	3.9169-01	7.1463-02	2.4416-04	7.1463-02	2.4416-04	3.4884-04	5.5733-03	5.2491+03	6.1567-05	7.1680+00
354	467.79	1.1397+00	2.1599-01	7.3119-04	2.1599-01	7.3119-04	1.0447-03	1.6690-02	1.5720+04	1.8429-04	8.1130+00
357	488.48	1.9086+00	3.4943-01	1.2032-03	3.4943-01	1.2032-03	1.7191-03	2.7465-02	2.5868+04	3.0351-04	7.1680+00
359	483.67	2.1564+00	3.8661-01	1.3239-03	3.8661-01	1.3239-03	1.8915-03	3.0220-02	2.8462+04	3.3389-04	8.1130+00
401	499.68	3.3169+01	2.8322+00	9.8436-03	2.8322+00	9.8436-03	1.4064-02	2.2469-01	2.1163+05	2.4842-03	4.5500-01
403	466.75	1.2813+01	1.0580+00	3.5788-03	1.0580+00	3.5788-03	5.1131-03	8.1691-02	7.6940+04	9.0198-04	6.8600-01
404	473.74	1.9448+01	1.6230+00	5.5213-03	1.6230+00	5.5213-03	7.8883-03	1.2603-01	1.1870+05	1.3919-03	8.0100-01
405	488.23	3.0196+01	2.5290+00	8.7066-03	2.5290+00	8.7066-03	1.2439-02	1.9874-01	1.8718+05	2.1962-03	1.0510+00
406	482.95	3.2461+01	2.7256+00	9.3425-03	2.7256+00	9.3425-03	1.3348-02	2.1325-01	2.0085+05	2.3561-03	1.1670+00
407	484.74	3.5311+01	3.0213+00	1.0371-02	3.0213+00	1.0371-02	1.4818-02	2.3674-01	2.2297+05	2.6158-03	1.2830+00
408	471.41	1.6500+01	1.3503+00	4.5849-03	1.3503+00	4.5849-03	6.5505-03	1.0466-01	9.8569+04	1.1558-03	5.1300-01
409	448.29	2.4764+00	2.0314-01	6.7697-04	2.0314-01	6.7697-04	9.6720-04	1.5453-02	1.4554+04	1.7050-04	5.7000-01
410	461.65	1.0354+01	8.2654-01	2.7842-03	8.2654-01	2.7842-03	3.9778-03	6.3553-02	5.9857+04	7.0158-04	6.2800-01
411	447.63	3.0530+00	2.5033-01	8.3379-04	2.5033-01	8.3379-04	1.1913-03	1.9032-02	1.7925+04	2.0999-04	6.8600-01
412	479.91	1.4960+01	1.2461+00	4.2607-03	1.2461+00	4.2607-03	6.0873-03	9.7255-02	9.1599+04	1.0744-03	7.4400-01
413	446.96	4.4021+00	3.6293-01	1.2082-03	3.6293-01	1.2082-03	1.7261-03	2.7578-02	2.5974+04	3.0427-04	8.0100-01
414	477.77	2.4992+01	2.0789+00	7.0954-03	2.0789+00	7.0954-03	1.0137-02	1.6196-01	1.5254+05	1.7891-03	8.5900-01
415	443.84	5.4062+00	4.4213-01	1.4682-03	4.4213-01	1.4682-03	2.0976-03	3.3513-02	3.1564+04	3.6970-04	9.1700-01
416	467.45	1.2909+01	9.9615-01	3.3714-03	9.9615-01	3.3714-03	4.8168-03	7.6956-02	7.2481+04	8.4973-04	5.7000-01
417	483.36	3.0192+01	2.5207+00	8.6429-03	2.5207+00	8.6429-03	1.2348-02	1.9728-01	1.8581+05	2.1797-03	1.0520+00

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8.01627+01 4.71947-03 3.32981-01 4.40449+03 4.93950-06 6.49318-08 2.81096-02 7.72000+00 6.66545-06 7.52047-02

1	465.47	9.1849+00	1.5518+00	5.2420-03	1.5518+00	5.2420-03	7.4888-03	1.1965-01	1.1271+05	1.3217-03	4.1100-01
2	481.92	2.2058+01	3.7677+00	1.2899-02	3.7677+00	1.2899-02	1.8428-02	2.9444-01	2.7735+05	3.2546-03	7.1100-01
3	476.91	1.9860+01	3.3812+00	1.1528-02	3.3812+00	1.1528-02	1.6470-02	2.6315-01	2.4788+05	2.9081-03	1.3070+00
4	469.39	2.2916+01	3.8820+00	1.3155-02	3.8820+00	1.3155-02	1.8793-02	3.0028-01	2.8285+05	3.3174-03	1.6410+00
5	445.12	1.4457+01	2.5216+00	8.3794-03	2.5216+00	8.3794-03	1.1971-02	1.9127-01	1.8017+05	2.1111-03	1.7720+00
6	429.48	6.1891+00	1.0052+00	3.2991-03	1.0052+00	3.2991-03	4.7132-03	7.5307-02	7.0936+04	8.3067-04	2.4660+00
7	445.94	4.5621+00	7.4727-01	2.4848-03	7.4727-01	2.4848-03	3.5498-03	5.6719-02	5.3427+04	6.2603-04	3.0090+00
8	458.84	4.5605+00	7.4690-01	2.5094-03	7.4690-01	2.5094-03	3.5850-03	5.7281-02	5.3956+04	6.3256-04	3.3930+00
9	473.43	4.8784+00	8.0683-01	2.7431-03	8.0683-01	2.7431-03	3.9189-03	6.2615-02	5.8981+04	6.9187-04	3.7770+00
10	490.32	4.4068+00	7.3917-01	2.5483-03	7.3917-01	2.5483-03	3.6405-03	5.8168-02	5.4792+04	6.4316-04	5.3230+00
14	487.18	2.7648+01	4.7390+00	1.6295-02	4.7390+00	1.6295-02	2.3280-02	3.7196-01	3.5037+05	4.1122-03	1.0880+00
15	460.13	1.3526+01	2.2771+00	7.6586-03	2.2771+00	7.6586-03	1.0941-02	1.7482-01	1.6467+05	1.9306-03	1.3070+00
16	462.48	2.1383+01	3.6055+00	1.2149-02	3.6055+00	1.2149-02	1.7357-02	2.7733-01	2.6123+05	3.0630-03	1.6410+00
19	469.09	9.4358+00	1.4532+00	4.9233-03	1.4532+00	4.9233-03	7.0336-03	1.1238-01	1.0586+05	1.2416-03	4.1100-01
20	474.38	1.7701+01	2.8677+00	9.7575-03	2.8677+00	9.7575-03	1.3940-02	2.2273-01	2.0980+05	2.4611-03	7.1100-01
21	457.28	1.4578+01	2.3707+00	7.9550-03	2.3707+00	7.9550-03	1.1365-02	1.8158-01	1.7104+05	2.0051-03	1.0880+00
22	457.15	1.6030+01	2.6223+00	8.7983-03	2.6223+00	8.7983-03	1.2569-02	2.0083-01	1.8918+05	2.2177-03	1.3070+00
23	448.13	1.6544+01	2.6494+00	8.8250-03	2.6494+00	8.8250-03	1.2608-02	2.0144-01	1.8975+05	2.2236-03	1.6410+00
24	440.75	9.2935-01	1.5033-01	4.9781-04	1.5033-01	4.9781-04	7.1118-04	1.1363-02	1.0704+04	1.2540-04	3.0090+00
25	454.66	6.8831-01	1.0971-01	3.6735-04	1.0971-01	3.6735-04	5.2481-04	8.3853-03	7.8987+03	9.2585-05	3.3930+00
26	468.76	8.6805-01	1.4054-01	4.7600-04	1.4054-01	4.7600-04	6.8002-04	1.0865-02	1.0235+04	1.2003-04	3.7770+00
27	491.47	2.8192+01	4.6190+00	1.5939-02	4.6190+00	1.5939-02	2.2771-02	3.6383-01	3.4272+05	4.0231-03	7.1100-01
28	476.53	2.6758+01	4.4079+00	1.5024-02	4.4079+00	1.5024-02	2.1464-02	3.4295-01	3.2305+05	3.7899-03	1.0880+00
29	454.76	1.5562+01	2.5645+00	8.5880-03	2.5645+00	8.5880-03	1.2269-02	1.9603-01	1.8466+05	2.1645-03	1.3070+00
30	438.51	1.2775+01	2.0880+00	6.9021-03	2.0880+00	6.9021-03	9.8605-03	1.5755-01	1.4841+05	1.7385-03	1.6410+00
31	429.30	9.2192+00	1.5194+00	4.9860-03	1.5194+00	4.9860-03	7.1231-03	1.1381-01	1.0721+05	1.2554-03	1.7720+00
32	442.31	4.3636+00	7.1510-01	2.3709-03	7.1510-01	2.3709-03	3.3872-03	5.4120-02	5.0979+04	5.9727-04	2.4660+00
33	460.62	3.8556+00	6.4170-01	2.1591-03	6.4170-01	2.1591-03	3.0845-03	4.9284-02	4.6424+04	5.4429-04	3.0090+00
34	473.64	1.8842+00	3.1166-01	1.0598-03	3.1166-01	1.0598-03	1.5140-03	2.4191-02	2.2787+04	2.6730-04	3.3930+00
35	480.51	3.0805-01	4.9035-02	1.6768-04	4.9035-02	1.6768-04	2.3955-04	3.8276-03	3.6054+03	4.2305-05	3.7770+00
36	449.36	1.1255+01	1.8258+00	6.0879-03	1.8258+00	6.0879-03	8.6972-03	1.3896-01	1.3090+05	1.5340-03	1.3070+00
37	454.64	6.8036+00	1.1378+00	3.8098-03	1.1378+00	3.8098-03	5.4427-03	8.6963-02	8.1916+04	9.6019-04	2.4660+00
38	475.17	1.5719+00	2.6028-01	8.8617-04	2.6028-01	8.8617-04	1.2660-03	2.0228-02	1.9054+04	2.2352-04	3.0090+00
39	484.28	9.8701-01	1.6342-01	5.6059-04	1.6342-01	5.6059-04	8.0087-04	1.2796-02	1.2054+04	1.4145-04	3.3930+00
40	489.26	9.8390-01	1.6196-01	5.5786-04	1.6196-01	5.5786-04	7.9696-04	1.2734-02	1.1995+04	1.4079-04	3.7770+00
41	490.15	3.1532-01	5.0827-02	1.7520-04	5.0827-02	1.7520-04	2.5029-04	3.9992-03	3.7671+03	4.4218-05	4.1620+00
43	469.18	7.9221-01	1.3261-01	4.4930-04	1.3261-01	4.4930-04	6.4187-04	1.0256-02	9.6605+03	1.1330-04	5.3230+00
47	451.18	5.5294+00	8.9004-01	2.9720-03	8.9004-01	2.9720-03	4.2458-03	6.7839-02	6.3902+04	7.4893-04	7.1100-01
48	477.22	2.3290+01	3.8848+00	1.3249-02	3.8848+00	1.3249-02	1.8928-02	3.0242-01	2.8487+05	3.3421-03	1.0880+00
49	451.25	1.4930+01	2.4618+00	8.2209-03	2.4618+00	8.2209-03	1.1745-02	1.8765-01	1.7676+05	2.0717-03	1.3070+00
50	440.60	1.1152+01	1.8362+00	6.0797-03	1.8362+00	6.0797-03	8.6856-03	1.3878-01	1.3072+05	1.5314-03	1.6410+00
51	438.93	7.9434+00	1.3180+00	4.3580-03	1.3180+00	4.3580-03	6.2259-03	9.9477-02	9.3704+04	1.0977-03	1.7720+00
52	450.72	1.5106+00	2.5269-01	8.4346-04	2.5269-01	8.4346-04	1.2050-03	1.9253-02	1.8136+04	2.1255-04	2.4660+00
53	480.12	1.3938+00	2.3153-01	7.9151-04	2.3153-01	7.9151-04	1.1308-03	1.8067-02	1.7019+04	1.9969-04	3.0090+00
54	489.67	1.8119+00	2.9925-01	1.0311-03	2.9925-01	1.0311-03	1.4731-03	2.3536-02	2.2170+04	2.6023-04	3.3930+00
55	492.11	1.6930+00	2.7494-01	9.4926-04	2.7494-01	9.4926-04	1.3561-03	2.1668-02	2.0411+04	2.3960-04	3.7770+00
56	448.85	2.0286+00	3.1115-01	1.0370-03	3.1115-01	1.0370-03	1.4815-03	2.3671-02	2.2298+04	2.6130-04	4.1100-01
57	450.97	5.1527+00	8.2426-01	2.7518-03	8.2426-01	2.7518-03	3.9313-03	6.2814-02	5.9169+04	6.9345-04	7.1100-01
58	443.57	9.4675+00	1.5437+00	5.1232-03	1.5437+00	5.1232-03	7.3191-03	1.1694-01	1.1016+05	1.2907-03	1.0880+00
59	445.70	1.2585+01	2.0612+00	6.8525-03	2.0612+00	6.8525-03	9.7895-03	1.5642-01	1.4734+05	1.7264-03	1.3070+00
60	441.35	9.1849+00	1.5042+00	4.9835-03	1.5042+00	4.9835-03	7.1195-03	1.1375-01	1.0715+05	1.2553-03	1.6410+00
61	483.22	1.0899+00	1.8087-01	6.1991-04	1.8087-01	6.1991-04	8.8561-04	1.4150-02	1.3329+04	1.5641-04	3.0090+00
62	491.03	7.9273-01	1.3104-01	4.5202-04	1.3104-01	4.5202-04	6.4577-04	1.0318-02	9.7192+03	1.1409-04	3.3930+00
63	491.89	5.9480-01	9.6582-02	3.3340-04	9.6582-02	3.3340-04	4.7630-04	7.6103-03	7.1686+03	8.4152-05	3.7770+00
64	440.31	6.7127+00	1.1148+00	3.6904-03	1.1148+00	3.6904-03	5.2722-03	8.4239-02	7.9350+04	9.2959-04	1.0880+00
65	433.35	5.9766+00	9.8778-01	3.2518-03	9.8778-01	3.2518-03	4.6456-03	7.4228-02	6.9920+04	8.1889-04	1.3070+00
66	439.54	7.3990+00	1.2281+00	4.0630-03	1.2281+00	4.0630-03	5.8045-03	9.2743-02	8.7361+04	1.0234-03	1.6410+00
69	453.11	1.3262+00	2.2221-01	7.4313-04	2.2221-01	7.4313-04	1.0616-03	1.6963-02	1.5978+04	1.8728-04	4.1100-01
70	448.62	2.1402-01	3.5749-02	1.1913-04	3.5749-02	1.1913-04	1.7019-04	2.7192-03	2.5614+03	3.0017-05	7.1100-01
71	434.41	9.5325-01	1.5720-01	5.1796-04	1.5720-01	5.1796-04	7.3997-04	1.1823-02	1.1137+04	1.3044-04	1.3070+00
72	443.32	1.4462+00	2.4069-01	7.9867-04	2.4069-01	7.9867-04	1.1410-03	1.8231-02	1.7173+04	2.0120-04	1.6410+00
73	464.65	8.7481-01	1.4211-01	4.7970-04	1.4211-01	4.7970-04	6.8531-04	1.0950-02	1.0314+04	1.2095-04	3.7770+00
74	455.30	1.2390+00	2.0303-01	6.8020-04	2.0303-01	6.8020-04	9.7174-04	1.5526-02	1.4625+04	1.7144-04	5.3230+00
77	445.15	4.4519+00	7.3535-01	2.4436-03	7.3535-01	2.4436-03	3.4910-03	5.5779-02	5.2541+04	6.1564-04	3.0090+00
78	460.85	3.5130+00	5.7971-01	1.9509-03	5.7971-01	1.9509-03	2.7870-03	4.4531-02	4.1947+04	4.9180-04	3.3930+00
79	473.69	2.4951+00	4.0776-01	1.3866-03	4.0776-01	1.3866-03	1.9810-03	3.1652-02	2.9815+04	3.4974-04	3.7770+00
80	433.06	6.1179+00	1.0139+00	3.3370-03	1.0139+00	3.3370-03	4.7673-03	7.6172-02	7.1751+04	8.4033-04	2.4660+00
81	448.22	3.9704+00	6.5719-01	2.1893-03	6.5719-01	2.1893-03	3.1276-03	4.9973-02	4.7072+04	5.5163-04	3.0090+00
82	458.02	3.4597+00	5.7140-01	1.9185-03	5.7140-01	1.9185-03	2.7408-03	4.3793-02	4.1251+04	4.8359-04	3.3930+00
83	473.87	3.4701+00	5.7408-01	1.9525-03	5.7408-01	1.9525-03	2.7894-03	4.4568-02	4.1982+04	4.9247-04	3.7770+00
337	479.69	1.1820+01	2.2105+00	7.5541-03	2.2105+00	7.5541-03	1.0792-02	1.7243-01	1.6242+05	1.9058-03	7.1680+00
339	479.31	8.7829+00	1.6772+00	5.7298-03	1.6772+00	5.7298-03	8.1856-03	1.3079-01	1.2320+05	1.4455-03	8.1130+00
340	472.03	3.4623+00	6.4424-01	2.1878-03	6.4424-01	2.1878-03	3.1256-03	4.9940-02	4.7042+04	5.5179-04	8.6180+00
342	470.27	9.1351+00	1.7521+00	5.9416-03	1.7521+00	5.9416-03	8.4883-03	1.3563-01	1.2775+05	1.4984-03	7.1680+00
344	467.26	5.7943+00	1.1034+00	3.7325-03	1.1034+00	3.7325-03	5.3323-03	8.5200-02	8.0255+04	9.4119-04	8.1130+00
347	476.43	5.5319+00	1.0324+00	3.5185-03	1.0324+00	3.5185-03	5.0266-03	8.0314-02	7.5652+04	8.8754-04	7.1680+00
349	459.10	3.1070+00	5.8688-01	1.9722-03	5.8688-01	1.9722-03	2.8176-03	4.5018-02	4.2406+04	4.9715-04	8.1130+00
350	451.12	6.8727-01	1.1903-01	3.9743-04	1.1903-01	3.9743-04	5.6778-04	9.0719-03	8.5454+03	1.0015-04	8.6180+00
352	479.23	5.1844-01	9.4602-02	3.2317-04	9.4602-02	3.2317-04	4.6168-04	7.3767-03	6.9486+03	8.1528-05	7.1680+00
354	468.41	1.2597+00	2.3882-01	8.0865-04	2.3882-01	8.0865-04	1.1553-03	1.8458-02	1.7387+04	2.0392-04	8.1130+00
357	489.43	1.9356+00	3.5459-01	1.2216-03	3.5459-01	1.2216-03	1.7451-03	2.7883-02	2.6265+04	3.0830-04	7.1680+00
359	484.76	2.2031+00	3.9466-01	1.3543-03	3.9466-01	1.3543-03	1.9348-03	3.0914-02	2.9120+04	3.4174-04	8.1130+00
401	515.23	2.9129+01	2.5119+00	8.8429-03	2.5119+00	8.8429-03	1.2633-02	2.0165-01	1.9014+05	2.2341-03	4.5500-01
403	472.92	1.2073+01	1.0010+00	3.4020-03	1.0010+00	3.4020-03	4.8601-03	7.7654-02	7.3147+04	8.5802-04	6.8600-01
404	483.33	1.9019+01	1.5973+00	5.4749-03	1.5973+00	5.4749-03	7.8216-03	1.2497-01	1.1772+05	1.3814-03	8.0100-01
405	502.71	2.8065+01	2.3727+00	8.2648-03	2.3727+00	8.2648-03	1.1807-02	1.8865-01	1.7771+05	2.0870-03	1.0510+00
406	498.52	2.9979+01	2.5428+00	8.8263-03	2.5428+00	8.8263-03	1.2609-02	2.0147-01	1.8978+05	2.2284-03	1.1670+00
407	501.63	3.2310+01	2.7950+00	9.7270-03	2.7950+00	9.7270-03	1.3896-02	2.2203-01	2.0914+05	2.4561-03	1.2830+00
408	479.60	1.6111+01	1.3256+00	4.5298-03	1.3256+00	4.5298-03	6.4714-03	1.0340-01	9.7398+04	1.1428-03	5.1300-01
409	449.60	2.8286+00	2.3224-01	7.7452-04	2.3224-01	7.7452-04	1.1065-03	1.7679-02	1.6653+04	1.9516-04	5.7000-01
410	466.98	1.0737+01	8.6018-01	2.9092-03	8.6018-01	2.9092-03	4.1561-03	6.6405-02	6.2551+04	7.3356-04	6.2800-01
411	449.24	3.4145+00	2.8029-01	9.3447-04	2.8029-01	9.3447-04	1.3350-03	2.1330-02	2.0093+04	2.3547-04	6.8600-01
412	487.48	1.5167+01	1.2697+00	4.3670-03	1.2697+00	4.3670-03	6.2387-03	9.9682-02	9.3896+04	1.1021-03	7.4400-01
413	449.29	5.0442+00	4.1653-01	1.3888-03	4.1653-01	1.3888-03	1.9840-03	3.1700-02	2.9860+04	3.4994-04	8.0100-01
414	490.07	2.4178+01	2.0274+00	6.9880-03	2.0274+00	6.9880-03	9.9832-03	1.5951-01	1.5025+05	1.7637-03	8.5900-01
415	446.70	6.1127+00	5.0090-01	1.6666-03	5.0090-01	1.6666-03	2.3809-03	3.8042-02	3.5834+04	4.1990-04	9.1700-01
416	473.87	1.2741+01	9.8742-01	3.3583-03	9.8742-01	3.3583-03	4.7977-03	7.6658-02	7.2209+04	8.4705-04	5.7000-01
417	497.99	2.8761+01	2.4241+00	8.4107-03	2.4241+00	8.4107-03	1.2016-02	1.9199-01	1.8084+05	2.1234-03	1.0520+00

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20 1 11.99 -.01 .00 -.00 402 11 1.90 10.09 460.9 1726.6

8.39829+01 9.85199-03 7.02652-01 4.53263+03 9.84226-06 6.80261-08 5.50177-02 7.72000+00 7.02837-06 7.47202-02

1	439.35	1.2395+00	2.0571-01	6.2972-04	2.0571-01	6.2972-04	4.3873-04	9.9851-03	1.2841+04	1.5981-04	4.1100-01
2	429.84	2.1662+00	3.5714-01	1.0857-03	3.5714-01	1.0857-03	7.5641-04	1.7215-02	2.2139+04	2.7542-04	7.1100-01
3	434.13	6.2410+00	1.0320+00	3.1472-03	1.0320+00	3.1472-03	2.1927-03	4.9903-02	6.4175+04	7.9852-04	1.3070+00
4	441.32	1.6797+01	2.7916+00	8.5580-03	2.7916+00	8.5580-03	5.9624-03	1.3570-01	1.7451+05	2.1720-03	1.6410+00
5	448.60	2.3381+01	4.0880+00	1.2600-02	4.0880+00	1.2600-02	8.7784-03	1.9979-01	2.5693+05	3.1988-03	1.7720+00
6	454.36	6.6010+00	1.0907+00	3.3762-03	1.0907+00	3.3762-03	2.3522-03	5.3535-02	6.8845+04	8.5735-04	2.4660+00
7	434.03	4.1657+00	6.7673-01	2.0635-03	6.7673-01	2.0635-03	1.4377-03	3.2720-02	4.2078+04	5.2356-04	3.0090+00
8	426.20	3.8712+00	6.1984-01	1.8793-03	6.1984-01	1.8793-03	1.3093-03	2.9799-02	3.8321+04	4.7666-04	3.3930+00
9	427.99	3.0795+00	4.9370-01	1.4988-03	4.9370-01	1.4988-03	1.0442-03	2.3766-02	3.0562+04	3.8018-04	3.7770+00
10	456.92	1.5626+00	2.5635-01	7.9500-04	2.5635-01	7.9500-04	5.5388-04	1.2606-02	1.6211+04	2.0190-04	5.3230+00
14	425.55	3.5699+00	5.8678-01	1.7782-03	5.8678-01	1.7782-03	1.2389-03	2.8196-02	3.6259+04	4.5101-04	1.0880+00
15	424.53	6.8592+00	1.1266+00	3.4117-03	1.1266+00	3.4117-03	2.3769-03	5.4097-02	6.9569+04	8.6528-04	1.3070+00
16	432.74	2.0462+01	3.3805+00	1.0298-02	3.3805+00	1.0298-02	7.1748-03	1.6329-01	2.0999+05	2.6127-03	1.6410+00
19	447.27	1.1117+00	1.6870-01	5.1945-04	1.6870-01	5.1945-04	3.6190-04	8.2366-03	1.0592+04	1.3187-04	4.1100-01
20	440.23	2.1242+00	3.3625-01	1.0300-03	3.3625-01	1.0300-03	7.1760-04	1.6332-02	2.1003+04	2.6140-04	7.1100-01
21	426.65	3.9205+00	6.2417-01	1.8930-03	6.2417-01	1.8930-03	1.3189-03	3.0017-02	3.8601+04	4.8016-04	1.0880+00
22	422.54	6.8582+00	1.0953+00	3.3119-03	1.0953+00	3.3119-03	2.3074-03	5.2516-02	6.7534+04	8.3991-04	1.3070+00
23	504.11	9.2987-02	1.5454-02	4.9675-05	1.5454-02	4.9675-05	3.4609-05	7.8767-04	1.0129+03	1.2641-05	1.6410+00
24	447.58	3.4239+00	5.5646-01	1.7138-03	5.5646-01	1.7138-03	1.1940-03	2.7175-02	3.4946+04	4.3507-04	3.0090+00
25	441.71	2.8094+00	4.4381-01	1.3609-03	4.4381-01	1.3609-03	9.4817-04	2.1580-02	2.7751+04	3.4541-04	3.3930+00
26	438.91	2.5423+00	4.0332-01	1.2342-03	4.0332-01	1.2342-03	8.5989-04	1.9570-02	2.5167+04	3.1321-04	3.7770+00
27	440.09	1.9319+00	3.0580-01	9.3661-04	3.0580-01	9.3661-04	6.5254-04	1.4851-02	1.9099+04	2.3770-04	7.1100-01
28	429.32	4.0073+00	6.3918-01	1.9423-03	6.3918-01	1.9423-03	1.3532-03	3.0799-02	3.9607+04	4.9272-04	1.0880+00
29	426.21	5.9397+00	9.5963-01	2.9095-03	9.5963-01	2.9095-03	2.0271-03	4.6134-02	5.9328+04	7.3796-04	1.3070+00
30	435.69	2.2508+01	3.6715+00	1.1209-02	3.6715+00	1.1209-02	7.8094-03	1.7774-01	2.2857+05	2.8442-03	1.6410+00
31	444.40	2.6383+01	4.3941+00	1.3501-02	4.3941+00	1.3501-02	9.4065-03	2.1408-01	2.7531+05	3.4271-03	1.7720+00
32	458.35	7.2499+00	1.2012+00	3.7292-03	1.2012+00	3.7292-03	2.5981-03	5.9132-02	7.6043+04	9.4715-04	2.4660+00
33	441.88	3.9517+00	6.4932-01	1.9914-03	6.4932-01	1.9914-03	1.3874-03	3.1576-02	4.0607+04	5.0543-04	3.0090+00
34	435.09	3.4452+00	5.5509-01	1.6939-03	5.5509-01	1.6939-03	1.1802-03	2.6860-02	3.4541+04	4.2981-04	3.3930+00
35	434.29	3.0535+00	4.7104-01	1.4366-03	4.7104-01	1.4366-03	1.0009-03	2.2779-02	2.9294+04	3.6450-04	3.7770+00
36	430.01	5.4847+00	8.7791-01	2.6691-03	8.7791-01	2.6691-03	1.8596-03	4.2323-02	5.4427+04	6.7711-04	1.3070+00
37	456.31	6.6016+00	1.1052+00	3.4261-03	1.1052+00	3.4261-03	2.3870-03	5.4325-02	6.9861+04	8.7008-04	2.4660+00
38	438.98	4.5143+00	7.2932-01	2.2320-03	7.2932-01	2.2320-03	1.5550-03	3.5391-02	4.5512+04	5.6642-04	3.0090+00
39	431.64	4.1309+00	6.5998-01	2.0089-03	6.5998-01	2.0089-03	1.3996-03	3.1854-02	4.0964+04	5.0966-04	3.3930+00
40	432.96	3.2036+00	5.0767-01	1.5468-03	5.0767-01	1.5468-03	1.0777-03	2.4527-02	3.1541+04	3.9244-04	3.7770+00
41	442.27	2.4930+00	3.8914-01	1.1938-03	3.8914-01	1.1938-03	8.3171-04	1.8929-02	2.4343+04	3.0299-04	4.1620+00
43	457.27	1.6068+00	2.6681-01	8.2767-04	2.6681-01	8.2767-04	5.7664-04	1.3124-02	1.6877+04	2.1020-04	5.3230+00
47	440.73	1.9444+00	3.1074-01	9.5220-04	3.1074-01	9.5220-04	6.6340-04	1.5098-02	1.9416+04	2.4166-04	7.1100-01
48	426.30	4.0691+00	6.5549-01	1.9875-03	6.5549-01	1.9875-03	1.3847-03	3.1515-02	4.0528+04	5.0412-04	1.0880+00
49	430.73	6.8784+00	1.1182+00	3.4013-03	1.1182+00	3.4013-03	2.3697-03	5.3933-02	6.9357+04	8.6288-04	1.3070+00
50	442.99	2.1640+01	3.5690+00	1.0955-02	3.5690+00	1.0955-02	7.6322-03	1.7370-01	2.2338+05	2.7805-03	1.6410+00
51	452.64	2.6657+01	4.4648+00	1.3802-02	4.4648+00	1.3802-02	9.6162-03	2.1886-01	2.8145+05	3.5047-03	1.7720+00
52	456.48	2.5013+00	4.2005-01	1.3022-03	4.2005-01	1.3022-03	9.0728-04	2.0649-02	2.6554+04	3.3072-04	2.4660+00
53	436.29	3.6208+00	5.8387-01	1.7833-03	5.8387-01	1.7833-03	1.2425-03	2.8277-02	3.6364+04	4.5251-04	3.0090+00
54	431.71	3.1086+00	4.9367-01	1.5028-03	4.9367-01	1.5028-03	1.0470-03	2.3829-02	3.0643+04	3.8125-04	3.3930+00
55	435.31	2.5574+00	3.9974-01	1.2200-03	3.9974-01	1.2200-03	8.5001-04	1.9346-02	2.4878+04	3.0957-04	3.7770+00
56	448.13	1.1117+00	1.7043-01	5.2510-04	1.7043-01	5.2510-04	3.6584-04	8.3262-03	1.0707+04	1.3331-04	4.1100-01
57	440.58	1.9517+00	3.0997-01	9.4974-04	3.0997-01	9.4974-04	6.6169-04	1.5060-02	1.9366+04	2.4104-04	7.1100-01
58	432.86	3.5117+00	5.6832-01	1.7314-03	5.6832-01	1.7314-03	1.2063-03	2.7455-02	3.5306+04	4.3929-04	1.0880+00
59	431.42	5.9361+00	9.6257-01	2.9295-03	9.6257-01	2.9295-03	2.0410-03	4.6452-02	5.9737+04	7.4321-04	1.3070+00
60	443.51	2.3785+01	3.9010+00	1.1978-02	3.9010+00	1.1978-02	8.3454-03	1.8993-01	2.4425+05	3.0404-03	1.6410+00
61	433.69	1.8317+00	2.9395-01	8.9610-04	2.9395-01	8.9610-04	6.2432-04	1.4209-02	1.8273+04	2.2736-04	3.0090+00
62	428.89	1.7304+00	2.7426-01	8.3314-04	2.7426-01	8.3314-04	5.8045-04	1.3211-02	1.6989+04	2.1134-04	3.3930+00
63	435.58	1.4862+00	2.3235-01	7.0930-04	2.3235-01	7.0930-04	4.9418-04	1.1247-02	1.4464+04	1.7998-04	3.7770+00
64	428.67	3.6810+00	6.0639-01	1.8418-03	6.0639-01	1.8418-03	1.2832-03	2.9204-02	3.7556+04	4.6720-04	1.0880+00
65	428.71	5.9590+00	9.8166-01	2.9817-03	9.8166-01	2.9817-03	2.0774-03	4.7280-02	6.0801+04	7.5636-04	1.3070+00
66	442.67	2.3748+01	3.9505+00	1.2123-02	3.9505+00	1.2123-02	8.4460-03	1.9222-01	2.4720+05	3.0769-03	1.6410+00
69	440.24	1.1216+00	1.8626-01	5.7054-04	1.8626-01	5.7054-04	3.9750-04	9.0468-03	1.1634+04	1.4480-04	4.1100-01
70	432.37	2.2494+00	3.7150-01	1.1314-03	3.7150-01	1.1314-03	7.8827-04	1.7941-02	2.3071+04	2.8705-04	7.1100-01
71	439.40	5.6940+00	9.4230-01	2.8846-03	9.4230-01	2.8846-03	2.0097-03	4.5740-02	5.8821+04	7.3206-04	1.3070+00
72	451.28	2.2855+01	3.8245+00	1.1811-02	3.8245+00	1.1811-02	8.2289-03	1.8728-01	2.4084+05	2.9989-03	1.6410+00
73	450.92	2.8052+00	4.5146-01	1.3939-03	4.5146-01	1.3939-03	9.7111-04	2.2102-02	2.8422+04	3.5390-04	3.7770+00
74	466.74	1.7377+00	2.8696-01	8.9650-04	2.8696-01	8.9650-04	6.2460-04	1.4215-02	1.8281+04	2.2778-04	5.3230+00
77	429.57	3.3766+00	5.5171-01	1.6768-03	5.5171-01	1.6768-03	1.1682-03	2.6588-02	3.4192+04	4.2537-04	3.0090+00
78	426.24	2.7257+00	4.3907-01	1.3312-03	4.3907-01	1.3312-03	9.2748-04	2.1109-02	2.7146+04	3.3766-04	3.3930+00
79	433.20	2.2701+00	3.6090-01	1.0998-03	3.6090-01	1.0998-03	7.6623-04	1.7439-02	2.2426+04	2.7903-04	3.7770+00
80	452.17	6.5455+00	1.0992+00	3.3968-03	1.0992+00	3.3968-03	2.3666-03	5.3861-02	6.9264+04	8.6250-04	2.4660+00
81	430.44	3.7896+00	6.1957-01	1.8843-03	6.1957-01	1.8843-03	1.3128-03	2.9878-02	3.8422+04	4.7801-04	3.0090+00
82	426.12	3.6753+00	5.9375-01	1.8001-03	5.9375-01	1.8001-03	1.2541-03	2.8543-02	3.6706+04	4.5657-04	3.3930+00
83	429.46	2.7273+00	4.3769-01	1.3302-03	4.3769-01	1.3302-03	9.2674-04	2.1092-02	2.7124+04	3.3743-04	3.7770+00
337	483.50	1.1201+01	2.1001+00	6.6445-03	2.1001+00	6.6445-03	4.6293-03	1.0536-01	1.3549+05	1.6894-03	7.1680+00
339	474.44	1.1130+01	2.1186+00	6.6574-03	2.1186+00	6.6574-03	4.6382-03	1.0556-01	1.3575+05	1.6920-03	8.1130+00
340	465.47	3.3922+00	6.2843-01	1.9614-03	6.2843-01	1.9614-03	1.3665-03	3.1101-02	3.9996+04	4.9832-04	8.6180+00
342	477.03	7.5704+00	1.4585+00	4.5922-03	1.4585+00	4.5922-03	3.1994-03	7.2816-02	9.3640+04	1.1673-03	7.1680+00
344	472.59	1.4410+01	2.7539+00	8.6415-03	2.7539+00	8.6415-03	6.0206-03	1.3702-01	1.7621+05	2.1961-03	8.1130+00
347	480.00	9.2519+00	1.7306+00	5.4611-03	1.7306+00	5.4611-03	3.8048-03	8.6594-02	1.1136+05	1.3883-03	7.1680+00
349	472.62	1.2691+01	2.4191+00	7.5912-03	2.4191+00	7.5912-03	5.2888-03	1.2037-01	1.5479+05	1.9292-03	8.1130+00
350	463.34	3.7662+00	6.5771-01	2.0495-03	6.5771-01	2.0495-03	1.4279-03	3.2498-02	4.1792+04	5.2065-04	8.6180+00
352	489.44	1.2622+01	2.3186+00	7.3693-03	2.3186+00	7.3693-03	5.1343-03	1.1685-01	1.5027+05	1.8742-03	7.1680+00
354	480.49	1.5970+01	3.0521+00	9.6346-03	3.0521+00	9.6346-03	6.7125-03	1.5277-01	1.9646+05	2.4493-03	8.1130+00
357	491.12	1.2683+01	2.3260+00	7.4022-03	2.3260+00	7.4022-03	5.1572-03	1.1737-01	1.5094+05	1.8827-03	7.1680+00
359	483.12	1.6811+01	3.0083+00	9.5154-03	3.0083+00	9.5154-03	6.6294-03	1.5088-01	1.9403+05	2.4193-03	8.1130+00
401	444.92	2.1449+00	1.7659-01	5.4280-04	1.7659-01	5.4280-04	3.7818-04	8.6070-03	1.1068+04	1.3779-04	4.5500-01
403	446.71	2.2842+00	1.8606-01	5.7265-04	1.8606-01	5.7265-04	3.9897-04	9.0803-03	1.1677+04	1.4537-04	6.8600-01
404	58.83	-3.9336+01	-2.2595+00	-5.4175-03	-2.2595+00	-5.4175-03	-3.7744-03	-8.5903-02	-1.1047+05	-1.3548-03	8.0100-01
405	451.33	3.9044+00	3.1905-01	9.8534-04	3.1905-01	9.8534-04	6.8649-04	1.5624-02	2.0092+04	2.5019-04	1.0510+00
406	451.96	6.4665+00	5.3180-01	1.6432-03	5.3180-01	1.6432-03	1.1448-03	2.6055-02	3.3506+04	4.1722-04	1.1670+00
407	454.60	7.6997+00	6.4569-01	1.9990-03	6.4569-01	1.9990-03	1.3927-03	3.1697-02	4.0761+04	5.0762-04	1.2830+00
408	446.52	3.5558+00	2.8614-01	8.8056-04	2.8614-01	8.8056-04	6.1349-04	1.3963-02	1.7956+04	2.2353-04	5.1300-01
409	444.77	3.9631+00	3.2432-01	9.9677-04	3.2432-01	9.9677-04	6.9445-04	1.5805-02	2.0325+04	2.5302-04	5.7000-01
410	448.13	3.8161+00	3.0183-01	9.2996-04	3.0183-01	9.2996-04	6.4791-04	1.4746-02	1.8963+04	2.3609-04	6.2800-01
411	449.77	4.7164+00	3.8729-01	1.1947-03	3.8729-01	1.1947-03	8.3236-04	1.8944-02	2.4361+04	3.0332-04	6.8600-01
412	459.60	2.9896+00	2.4567-01	7.6341-04	2.4567-01	7.6341-04	5.3187-04	1.2105-02	1.5567+04	1.9390-04	7.4400-01
413	449.91	4.9548+00	4.0933-01	1.2628-03	4.0933-01	1.2628-03	8.7982-04	2.0024-02	2.5751+04	3.2062-04	8.0100-01
414	450.73	4.1979+00	3.4289-01	1.0585-03	3.4289-01	1.0585-03	7.3747-04	1.6784-02	2.1584+04	2.6876-04	8.5900-01
415	453.40	4.8535+00	3.9954-01	1.2358-03	3.9954-01	1.2358-03	8.6101-04	1.9596-02	2.5200+04	3.1381-04	9.1700-01
416	450.67	3.7226+00	2.8403-01	8.7675-04	2.8403-01	8.7675-04	6.1084-04	1.3902-02	1.7878+04	2.2261-04	5.7000-01
417	454.40	5.8836+00	4.8179-01	1.4913-03	4.8179-01	1.4913-03	1.0390-03	2.3647-02	3.0410+04	3.7871-04	1.0520+00

20 1 11.98 -.02 .00 -.00 402 11 2.15 10.09 460.9 1726.2

8.39649+01 9.85229-03 7.02674-01 4.53215+03 9.84468-06 6.80115-08 5.50371-02 7.72000+00 7.02666-06 7.47224-02

1	439.60	1.0836+00	1.7988-01	5.5074-04	1.7988-01	5.5074-04	3.8365-04	8.7328-03	1.1233+04	1.3981-04	4.1100-01
2	430.31	2.0301+00	3.3481-01	1.0182-03	3.3481-01	1.0182-03	7.0926-04	1.6144-02	2.0767+04	2.5836-04	7.1100-01
3	435.00	4.5849+00	7.5865-01	2.3149-03	7.5865-01	2.3149-03	1.6126-03	3.6707-02	4.7216+04	5.8753-04	1.3070+00
4	444.80	1.4570+01	2.4273+00	7.4601-03	2.4273+00	7.4601-03	5.1968-03	1.1829-01	1.5216+05	1.8942-03	1.6410+00
5	454.07	2.1303+01	3.7386+00	1.1570-02	3.7386+00	1.1570-02	8.0596-03	1.8346-01	2.3598+05	2.9388-03	1.7720+00
6	456.14	7.0457+00	1.1656+00	3.6128-03	1.1656+00	3.6128-03	2.5167-03	5.7287-02	7.3688+04	9.1775-04	2.4660+00
7	435.09	4.1953+00	6.8204-01	2.0813-03	6.8204-01	2.0813-03	1.4499-03	3.3003-02	4.2451+04	5.2824-04	3.0090+00
8	427.16	3.7475+00	6.0045-01	1.8218-03	6.0045-01	1.8218-03	1.2691-03	2.8887-02	3.7157+04	4.6221-04	3.3930+00
9	428.74	2.9506+00	4.7330-01	1.4376-03	4.7330-01	1.4376-03	1.0015-03	2.2796-02	2.9323+04	3.6478-04	3.7770+00
10	457.32	1.5964+00	2.6196-01	8.1264-04	2.6196-01	8.1264-04	5.6609-04	1.2886-02	1.6575+04	2.0644-04	5.3230+00
14	426.25	3.2795+00	5.3931-01	1.6352-03	5.3931-01	1.6352-03	1.1391-03	2.5928-02	3.3352+04	4.1486-04	1.0880+00
15	425.59	5.2062+00	8.5577-01	2.5934-03	8.5577-01	2.5934-03	1.8066-03	4.1123-02	5.2896+04	6.5796-04	1.3070+00
16	437.23	1.8635+01	3.0883+00	9.4391-03	3.0883+00	9.4391-03	6.5754-03	1.4967-01	1.9252+05	2.3959-03	1.6410+00
19	447.55	1.0691+00	1.6227-01	4.9974-04	1.6227-01	4.9974-04	3.4812-04	7.9241-03	1.0193+04	1.2690-04	4.1100-01
20	440.70	1.9434+00	3.0774-01	9.4297-04	3.0774-01	9.4297-04	6.5688-04	1.4952-02	1.9233+04	2.3938-04	7.1100-01
21	427.42	3.4171+00	5.4433-01	1.6518-03	5.4433-01	1.6518-03	1.1507-03	2.6192-02	3.3690+04	4.1909-04	1.0880+00
22	423.61	5.3013+00	8.4728-01	2.5640-03	8.4728-01	2.5640-03	1.7861-03	4.0656-02	5.2296+04	6.5044-04	1.3070+00
23	504.13	3.6883-02	6.1297-03	1.9704-05	6.1297-03	1.9704-05	1.3726-05	3.1243-04	4.0188+02	5.0156-06	1.6410+00
24	448.43	3.4171+00	5.5569-01	1.7125-03	5.5569-01	1.7125-03	1.1929-03	2.7154-02	3.4928+04	4.3487-04	3.0090+00
25	442.39	2.7797+00	4.3934-01	1.3479-03	4.3934-01	1.3479-03	9.3897-04	2.1373-02	2.7492+04	3.4221-04	3.3930+00
26	439.54	2.4696+00	3.9195-01	1.2000-03	3.9195-01	1.2000-03	8.3593-04	1.9028-02	2.4475+04	3.0462-04	3.7770+00
27	440.49	1.6634+00	2.6336-01	8.0686-04	2.6336-01	8.0686-04	5.6207-04	1.2794-02	1.6457+04	2.0483-04	7.1100-01
28	430.08	3.5023+00	5.5895-01	1.6995-03	5.5895-01	1.6995-03	1.1839-03	2.6947-02	3.4662+04	4.3123-04	1.0880+00
29	427.67	5.7823+00	9.3517-01	2.8384-03	9.3517-01	2.8384-03	1.9772-03	4.5006-02	5.7892+04	7.2015-04	1.3070+00
30	440.84	2.1199+01	3.4705+00	1.0635-02	3.4705+00	1.0635-02	7.4087-03	1.6864-01	2.1692+05	2.6999-03	1.6410+00
31	450.90	2.5590+01	4.2810+00	1.3217-02	4.2810+00	1.3217-02	9.2072-03	2.0958-01	2.6958+05	3.3568-03	1.7720+00
32	460.23	7.6146+00	1.2632+00	3.9273-03	1.2632+00	3.9273-03	2.7358-03	6.2273-02	8.0101+04	9.9781-04	2.4660+00
33	442.88	3.9366+00	6.4729-01	1.9866-03	6.4729-01	1.9866-03	1.3839-03	3.1501-02	4.0520+04	5.0437-04	3.0090+00
34	435.96	3.4707+00	5.5954-01	1.7086-03	5.5954-01	1.7086-03	1.1902-03	2.7092-02	3.4848+04	4.3366-04	3.3930+00
35	435.07	3.0234+00	4.6664-01	1.4240-03	4.6664-01	1.4240-03	9.9196-04	2.2579-02	2.9044+04	3.6141-04	3.7770+00
36	431.32	5.3901+00	8.6357-01	2.6280-03	8.6357-01	2.6280-03	1.8307-03	4.1671-02	5.3602+04	6.6689-04	1.3070+00
37	458.02	6.8826+00	1.1536+00	3.5806-03	1.1536+00	3.5806-03	2.4943-03	5.6777-02	7.3032+04	9.0965-04	2.4660+00
38	440.10	4.4764+00	7.2376-01	2.2168-03	7.2376-01	2.2168-03	1.5442-03	3.5150-02	4.5213+04	5.6273-04	3.0090+00
39	432.68	3.9532+00	6.3206-01	1.9254-03	6.3206-01	1.9254-03	1.3412-03	3.0530-02	3.9271+04	4.8862-04	3.3930+00
40	433.73	3.1979+00	5.0704-01	1.5457-03	5.0704-01	1.5457-03	1.0768-03	2.4510-02	3.1527+04	3.9229-04	3.7770+00
41	442.89	2.5564+00	3.9920-01	1.2252-03	3.9920-01	1.2252-03	8.5349-04	1.9427-02	2.4989+04	3.1106-04	4.1620+00
43	457.69	1.6358+00	2.7172-01	8.4315-04	2.7172-01	8.4315-04	5.8735-04	1.3369-02	1.7197+04	2.1420-04	5.3230+00
47	441.19	1.8675+00	2.9855-01	9.1514-04	2.9855-01	9.1514-04	6.3750-04	1.4511-02	1.8665+04	2.3232-04	7.1100-01
48	427.33	4.0036+00	6.4541-01	1.9584-03	6.4541-01	1.9584-03	1.3643-03	3.1054-02	3.9944+04	4.9689-04	1.0880+00
49	431.95	5.7247+00	9.3139-01	2.8357-03	9.3139-01	2.8357-03	1.9754-03	4.4965-02	5.7838+04	7.1962-04	1.3070+00
50	448.45	2.1536+01	3.5653+00	1.0987-02	3.5653+00	1.0987-02	7.6539-03	1.7422-01	2.2410+05	2.7902-03	1.6410+00
51	459.27	2.6394+01	4.4409+00	1.3796-02	4.4409+00	1.3796-02	9.6107-03	2.1876-01	2.8139+05	3.5051-03	1.7720+00
52	457.11	2.5018+00	4.2032-01	1.3037-03	4.2032-01	1.3037-03	9.0816-04	2.0672-02	2.6590+04	3.3119-04	2.4660+00
53	437.23	3.7652+00	6.0756-01	1.8569-03	6.0756-01	1.8569-03	1.2936-03	2.9445-02	3.7874+04	4.7134-04	3.0090+00
54	432.48	3.1392+00	4.9881-01	1.5193-03	4.9881-01	1.5193-03	1.0583-03	2.4090-02	3.0987+04	3.8555-04	3.3930+00
55	435.94	2.5361+00	3.9658-01	1.2110-03	3.9658-01	1.2110-03	8.4358-04	1.9202-02	2.4699+04	3.0736-04	3.7770+00
56	448.44	1.2883+00	1.9755-01	6.0880-04	1.9755-01	6.0880-04	4.2409-04	9.6534-03	1.2417+04	1.5460-04	4.1100-01
57	441.09	2.0010+00	3.1792-01	9.7446-04	3.1792-01	9.7446-04	6.7882-04	1.5452-02	1.9875+04	2.4738-04	7.1100-01
58	433.71	3.4904+00	5.6521-01	1.7231-03	5.6521-01	1.7231-03	1.2003-03	2.7322-02	3.5144+04	4.3729-04	1.0880+00
59	432.90	5.9340+00	9.6324-01	2.9347-03	9.6324-01	2.9347-03	2.0444-03	4.6534-02	5.9857+04	7.4477-04	1.3070+00
60	449.56	2.4050+01	3.9611+00	1.2217-02	3.9611+00	1.2217-02	8.5106-03	1.9372-01	2.4918+05	3.1026-03	1.6410+00
61	434.13	1.8384+00	2.9513-01	8.9998-04	2.9513-01	8.9998-04	6.2693-04	1.4271-02	1.8356+04	2.2841-04	3.0090+00
62	429.28	1.6748+00	2.6552-01	8.0684-04	2.6552-01	8.0684-04	5.6205-04	1.2794-02	1.6456+04	2.0473-04	3.3930+00
63	435.94	1.4436+00	2.2575-01	6.8933-04	2.2575-01	6.8933-04	4.8020-04	1.0930-02	1.4060+04	1.7496-04	3.7770+00
64	429.57	3.6873+00	6.0780-01	1.8473-03	6.0780-01	1.8473-03	1.2868-03	2.9292-02	3.7678+04	4.6874-04	1.0880+00
65	430.17	5.8842+00	9.7033-01	2.9504-03	9.7033-01	2.9504-03	2.0553-03	4.6784-02	6.0178+04	7.4867-04	1.3070+00
66	448.80	2.4172+01	4.0381+00	1.2448-02	4.0381+00	1.2448-02	8.6712-03	1.9738-01	2.5389+05	3.1611-03	1.6410+00
69	440.54	1.1527+00	1.9147-01	5.8664-04	1.9147-01	5.8664-04	4.0866-04	9.3021-03	1.1965+04	1.4892-04	4.1100-01
70	432.92	2.1569+00	3.5637-01	1.0858-03	3.5637-01	1.0858-03	7.5636-04	1.7217-02	2.2146+04	2.7555-04	7.1100-01
71	440.79	5.6145+00	9.3003-01	2.8500-03	9.3003-01	2.8500-03	1.9853-03	4.5191-02	5.8129+04	7.2351-04	1.3070+00
72	457.13	2.3614+01	3.9673+00	1.2306-02	3.9673+00	1.2306-02	8.5721-03	1.9512-01	2.5099+05	3.1261-03	1.6410+00
73	451.56	2.4514+00	3.9470-01	1.2192-03	3.9470-01	1.2192-03	8.4929-04	1.9332-02	2.4867+04	3.0965-04	3.7770+00
74	467.08	1.4036+00	2.3185-01	7.2452-04	2.3185-01	7.2452-04	5.0471-04	1.1488-02	1.4777+04	1.8413-04	5.3230+00
77	430.41	3.3377+00	5.4567-01	1.6595-03	5.4567-01	1.6595-03	1.1560-03	2.6314-02	3.3847+04	4.2109-04	3.0090+00
78	426.90	2.6493+00	4.2680-01	1.2947-03	4.2680-01	1.2947-03	9.0188-04	2.0529-02	2.6406+04	3.2847-04	3.3930+00
79	433.75	2.2707+00	3.6112-01	1.1009-03	3.6112-01	1.1009-03	7.6691-04	1.7457-02	2.2454+04	2.7940-04	3.7770+00
80	453.81	6.8244+00	1.1473+00	3.5498-03	1.1473+00	3.5498-03	2.4728-03	5.6288-02	7.2403+04	9.0167-04	2.4660+00
81	431.37	3.7153+00	6.0782-01	1.8498-03	6.0782-01	1.8498-03	1.2886-03	2.9331-02	3.7728+04	4.6940-04	3.0090+00
82	427.00	3.5304+00	5.7069-01	1.7313-03	5.7069-01	1.7313-03	1.2060-03	2.7452-02	3.5311+04	4.3925-04	3.3930+00
83	430.09	2.5558+00	4.1036-01	1.2477-03	4.1036-01	1.2477-03	8.6916-04	1.9784-02	2.5448+04	3.1660-04	3.7770+00
337	486.44	1.1580+01	2.1753+00	6.8982-03	2.1753+00	6.8982-03	4.8053-03	1.0938-01	1.4070+05	1.7546-03	7.1680+00
339	477.33	1.1599+01	2.2120+00	6.9661-03	2.2120+00	6.9661-03	4.8526-03	1.1046-01	1.4208+05	1.7712-03	8.1130+00
340	466.32	3.3158+00	6.1464-01	1.9196-03	6.1464-01	1.9196-03	1.3372-03	3.0438-02	3.9152+04	4.8784-04	8.6180+00
342	478.58	7.7423+00	1.4936+00	4.7095-03	1.4936+00	4.7095-03	3.2807-03	7.4676-02	9.6055+04	1.1975-03	7.1680+00
344	476.27	1.4645+01	2.8055+00	8.8279-03	2.8055+00	8.8279-03	6.1496-03	1.3998-01	1.8006+05	2.2445-03	8.1130+00
347	482.14	8.6738+00	1.6248+00	5.1354-03	1.6248+00	5.1354-03	3.5774-03	8.1429-02	1.0474+05	1.3060-03	7.1680+00
349	475.65	1.2310+01	2.3512+00	7.3949-03	2.3512+00	7.3949-03	5.1513-03	1.1726-01	1.5083+05	1.8801-03	8.1130+00
350	464.25	3.6447+00	6.3687-01	1.9859-03	6.3687-01	1.9859-03	1.3834-03	3.1490-02	4.0505+04	5.0465-04	8.6180+00
352	491.45	8.9273+00	1.6421+00	5.2271-03	1.6421+00	5.2271-03	3.6413-03	8.2884-02	1.0661+05	1.3299-03	7.1680+00
354	484.12	1.4203+01	2.7207+00	8.6123-03	2.7207+00	8.6123-03	5.9994-03	1.3656-01	1.7566+05	2.1904-03	8.1130+00
357	492.73	7.3818+00	1.3552+00	4.3182-03	1.3552+00	4.3182-03	3.0081-03	6.8472-02	8.8075+04	1.0987-03	7.1680+00
359	486.87	1.3768+01	2.4698+00	7.8344-03	2.4698+00	7.8344-03	5.4575-03	1.2423-01	1.5979+05	1.9928-03	8.1130+00
401	445.43	2.1205+00	1.7464-01	5.3701-04	1.7464-01	5.3701-04	3.7409-04	8.5151-03	1.0953+04	1.3635-04	4.5500-01
403	447.29	2.3709+00	1.9320-01	5.9490-04	1.9320-01	5.9490-04	4.1441-04	9.4330-03	1.2134+04	1.5106-04	6.8600-01
404	43.05	-7.4477+01	-4.1955+00	-9.9707-03	-4.1955+00	-9.9707-03	-6.9457-03	-1.5810-01	-2.0336+05	-2.4926-03	8.0100-01
405	452.26	3.9361+00	3.2184-01	9.9466-04	3.2184-01	9.9466-04	6.9289-04	1.5772-02	2.0287+04	2.5263-04	1.0510+00
406	453.35	5.8909+00	4.8493-01	1.4999-03	4.8493-01	1.4999-03	1.0448-03	2.3783-02	3.0592+04	3.8096-04	1.1670+00
407	456.37	7.2603+00	6.0957-01	1.8896-03	6.0957-01	1.8896-03	1.3163-03	2.9963-02	3.8541+04	4.8002-04	1.2830+00
408	447.38	3.4582+00	2.7844-01	8.5742-04	2.7844-01	8.5742-04	5.9729-04	1.3596-02	1.7488+04	2.1773-04	5.1300-01
409	445.70	3.9325+00	3.2202-01	9.9037-04	3.2202-01	9.9037-04	6.8990-04	1.5704-02	2.0200+04	2.5147-04	5.7000-01
410	449.07	3.7579+00	2.9742-01	9.1701-04	2.9742-01	9.1701-04	6.3880-04	1.4541-02	1.8703+04	2.3288-04	6.2800-01
411	450.95	4.3771+00	3.5972-01	1.1106-03	3.5972-01	1.1106-03	7.7368-04	1.7611-02	2.2653+04	2.8207-04	6.8600-01
412	460.48	3.0327+00	2.4937-01	7.7540-04	2.4937-01	7.7540-04	5.4015-04	1.2295-02	1.5815+04	1.9701-04	7.4400-01
413	451.06	4.5127+00	3.7310-01	1.1521-03	3.7310-01	1.1521-03	8.0253-04	1.8267-02	2.3497+04	2.9259-04	8.0100-01
414	451.73	3.9361+00	3.2173-01	9.9390-04	3.2173-01	9.9390-04	6.9236-04	1.5760-02	2.0272+04	2.5243-04	8.5900-01
415	454.61	4.8426+00	3.9897-01	1.2352-03	3.9897-01	1.2352-03	8.6044-04	1.9586-02	2.5193+04	3.1375-04	9.1700-01
416	451.55	3.4348+00	2.6223-01	8.0998-04	2.6223-01	8.0998-04	5.6424-04	1.2844-02	1.6521+04	2.0572-04	5.7000-01
417	455.79	5.6592+00	4.6385-01	1.4373-03	4.6385-01	1.4373-03	1.0012-03	2.2791-02	2.9316+04	3.6511-04	1.0520+00

20 1 11.98 -.02 .00 -.00 402 11 2.40 10.09 460.9 1726.6

8.39829+01 9.85199-03 7.02652-01 4.53263+03 9.84226-06 6.80261-08 5.50177-02 7.72000+00 7.02837-06 7.47202-02

1	439.87	1.1101+00	1.8431-01	5.6442-04	1.8431-01	5.6442-04	3.9324-04	8.9498-03	1.1509+04	1.4324-04	4.1100-01
2	430.83	2.0239+00	3.3391-01	1.0158-03	3.3391-01	1.0158-03	7.0770-04	1.6107-02	2.0713+04	2.5769-04	7.1100-01
3	436.16	4.5319+00	7.5049-01	2.2920-03	7.5049-01	2.2920-03	1.5968-03	3.6343-02	4.6737+04	5.8158-04	1.3070+00
4	448.29	1.3909+01	2.3228+00	7.1574-03	2.3228+00	7.1574-03	4.9866-03	1.1349-01	1.4595+05	1.8171-03	1.6410+00
5	459.06	2.0223+01	3.5612+00	1.1062-02	3.5612+00	1.1062-02	7.7067-03	1.7540-01	2.2556+05	2.8095-03	1.7720+00
6	457.92	7.2618+00	1.2028+00	3.7331-03	1.2028+00	3.7331-03	2.6009-03	5.9194-02	7.6122+04	9.4812-04	2.4660+00
7	436.14	4.2977+00	6.9920-01	2.1353-03	6.9920-01	2.1353-03	1.4877-03	3.3859-02	4.3542+04	5.4183-04	3.0090+00
8	428.06	3.6930+00	5.9209-01	1.7976-03	5.9209-01	1.7976-03	1.2524-03	2.8503-02	3.6655+04	4.5598-04	3.3930+00
9	429.47	2.9164+00	4.6804-01	1.4224-03	4.6804-01	1.4224-03	9.9102-04	2.2555-02	2.9005+04	3.6083-04	3.7770+00
10	457.73	1.6119+00	2.6459-01	8.2105-04	2.6459-01	8.2105-04	5.7203-04	1.3019-02	1.6742+04	2.0853-04	5.3230+00
14	427.12	3.2956+00	5.4229-01	1.6453-03	5.4229-01	1.6453-03	1.1463-03	2.6088-02	3.3549+04	4.1732-04	1.0880+00
15	426.89	5.1709+00	8.5075-01	2.5807-03	8.5075-01	2.5807-03	1.7980-03	4.0920-02	5.2623+04	6.5458-04	1.3070+00
16	441.81	1.8411+01	3.0608+00	9.3867-03	3.0608+00	9.3867-03	6.5398-03	1.4884-01	1.9141+05	2.3824-03	1.6410+00
19	447.78	1.1314+00	1.7176-01	5.2906-04	1.7176-01	5.2906-04	3.6860-04	8.3890-03	1.0788+04	1.3431-04	4.1100-01
20	441.19	2.0068+00	3.1788-01	9.7440-04	3.1788-01	9.7440-04	6.7887-04	1.5451-02	1.9869+04	2.4730-04	7.1100-01
21	428.27	3.4369+00	5.4780-01	1.6634-03	5.4780-01	1.6634-03	1.1589-03	2.6375-02	3.3918+04	4.2193-04	1.0880+00
22	424.98	5.3818+00	8.6098-01	2.6081-03	8.6098-01	2.6081-03	1.8171-03	4.1355-02	5.3182+04	6.6148-04	1.3070+00
23	504.13	2.0260-02	3.3672-03	1.0824-05	3.3672-03	1.0824-05	7.5409-06	1.7162-04	2.2071+02	2.7544-06	1.6410+00
24	449.27	3.4094+00	5.5474-01	1.7106-03	5.5474-01	1.7106-03	1.1918-03	2.7125-02	3.4882+04	4.3430-04	3.0090+00
25	443.09	2.8540+00	4.5130-01	1.3853-03	4.5130-01	1.3853-03	9.6515-04	2.1966-02	2.8248+04	3.5162-04	3.3930+00
26	440.14	2.4255+00	3.8510-01	1.1796-03	3.8510-01	1.1796-03	8.2180-04	1.8704-02	2.4052+04	2.9936-04	3.7770+00
27	440.90	1.6634+00	2.6343-01	8.0733-04	2.6343-01	8.0733-04	5.6247-04	1.2801-02	1.6463+04	2.0490-04	7.1100-01
28	430.97	3.5169+00	5.6162-01	1.7087-03	5.6162-01	1.7087-03	1.1905-03	2.7094-02	3.4842+04	4.3348-04	1.0880+00
29	429.09	5.6239+00	9.1045-01	2.7662-03	9.1045-01	2.7662-03	1.9272-03	4.3862-02	5.6406+04	7.0170-04	1.3070+00
30	446.10	2.0736+01	3.4071+00	1.0482-02	3.4071+00	1.0482-02	7.3026-03	1.6620-01	2.1373+05	2.6608-03	1.6410+00
31	457.12	2.4869+01	4.1781+00	1.2959-02	4.1781+00	1.2959-02	9.0287-03	2.0549-01	2.6425+05	3.2912-03	1.7720+00
32	462.16	7.8992+00	1.3122+00	4.0853-03	1.3122+00	4.0853-03	2.8463-03	6.4779-02	8.3305+04	1.0378-03	2.4660+00
33	443.87	3.9558+00	6.5090-01	1.9992-03	6.5090-01	1.9992-03	1.3928-03	3.1700-02	4.0765+04	5.0744-04	3.0090+00
34	436.82	3.4416+00	5.5518-01	1.6963-03	5.5518-01	1.6963-03	1.1818-03	2.6898-02	3.4590+04	4.3045-04	3.3930+00
35	435.78	3.0010+00	4.6343-01	1.4149-03	4.6343-01	1.4149-03	9.8578-04	2.2436-02	2.8852+04	3.5902-04	3.7770+00
36	432.66	5.3210+00	8.5331-01	2.5993-03	8.5331-01	2.5993-03	1.8110-03	4.1216-02	5.3004+04	6.5947-04	1.3070+00
37	459.77	7.0384+00	1.1812+00	3.6709-03	1.1812+00	3.6709-03	2.5575-03	5.8207-02	7.4853+04	9.3239-04	2.4660+00
38	441.23	4.5309+00	7.3315-01	2.2474-03	7.3315-01	2.2474-03	1.5658-03	3.5636-02	4.5827+04	5.7039-04	3.0090+00
39	433.57	3.6478+00	5.8359-01	1.7789-03	5.8359-01	1.7789-03	1.2394-03	2.8207-02	3.6274+04	4.5134-04	3.3930+00
40	434.55	3.2068+00	5.0873-01	1.5518-03	5.0873-01	1.5518-03	1.0812-03	2.4606-02	3.1643+04	3.9374-04	3.7770+00
41	443.55	2.5351+00	3.9605-01	1.2161-03	3.9605-01	1.2161-03	8.4729-04	1.9284-02	2.4799+04	3.0869-04	4.1620+00
43	458.08	1.6364+00	2.7188-01	8.4389-04	2.7188-01	8.4389-04	5.8794-04	1.3381-02	1.7208+04	2.1433-04	5.3230+00
47	441.63	1.8203+00	2.9108-01	8.9254-04	2.9108-01	8.9254-04	6.2184-04	1.4153-02	1.8200+04	2.2653-04	7.1100-01
48	428.30	3.9756+00	6.4134-01	1.9474-03	6.4134-01	1.9474-03	1.3568-03	3.0879-02	3.9710+04	4.9399-04	1.0880+00
49	433.42	5.8358+00	9.5046-01	2.8969-03	9.5046-01	2.8969-03	2.0183-03	4.5935-02	5.9071+04	7.3499-04	1.3070+00
50	453.75	2.1211+01	3.5243+00	1.0904-02	3.5243+00	1.0904-02	7.5968-03	1.7290-01	2.2234+05	2.7688-03	1.6410+00
51	465.87	2.6002+01	4.3944+00	1.3720-02	4.3944+00	1.3720-02	9.5585-03	2.1754-01	2.7976+05	3.4856-03	1.7720+00
52	457.73	2.5132+00	4.2241-01	1.3108-03	4.2241-01	1.3108-03	9.1323-04	2.0785-02	2.6729+04	3.3291-04	2.4660+00
53	438.19	3.7460+00	6.0486-01	1.8500-03	6.0486-01	1.8500-03	1.2889-03	2.9335-02	3.7724+04	4.6947-04	3.0090+00
54	433.27	3.1366+00	4.9867-01	1.5197-03	4.9867-01	1.5197-03	1.0588-03	2.4097-02	3.0989+04	3.8557-04	3.3930+00
55	436.57	2.5818+00	4.0391-01	1.2339-03	4.0391-01	1.2339-03	8.5968-04	1.9566-02	2.5161+04	3.1311-04	3.7770+00
56	448.78	1.1590+00	1.7775-01	5.4793-04	1.7775-01	5.4793-04	3.8175-04	8.6883-03	1.1173+04	1.3911-04	4.1100-01
57	441.58	2.0042+00	3.1853-01	9.7667-04	3.1853-01	9.7667-04	6.8045-04	1.5487-02	1.9916+04	2.4788-04	7.1100-01
58	434.58	3.5101+00	5.6875-01	1.7350-03	5.6875-01	1.7350-03	1.2088-03	2.7510-02	3.5378+04	4.4021-04	1.0880+00
59	434.36	5.9086+00	9.6008-01	2.9282-03	9.6008-01	2.9282-03	2.0401-03	4.6431-02	5.9710+04	7.4297-04	1.3070+00
60	455.47	2.3785+01	3.9332+00	1.2185-02	3.9332+00	1.2185-02	8.4891-03	1.9321-01	2.4846+05	3.0943-03	1.6410+00
61	434.59	1.9075+00	3.0631-01	9.3441-04	3.0631-01	9.3441-04	6.5101-04	1.4816-02	1.9054+04	2.3709-04	3.0090+00
62	429.70	1.7636+00	2.7969-01	8.5014-04	2.7969-01	8.5014-04	5.9230-04	1.3480-02	1.7335+04	2.1566-04	3.3930+00
63	436.29	1.3953+00	2.1825-01	6.6659-04	2.1825-01	6.6659-04	4.6442-04	1.0570-02	1.3593+04	1.6915-04	3.7770+00
64	430.49	3.6322+00	5.9911-01	1.8221-03	5.9911-01	1.8221-03	1.2695-03	2.8892-02	3.7155+04	4.6224-04	1.0880+00
65	431.61	5.8156+00	9.6000-01	2.9221-03	9.6000-01	2.9221-03	2.0358-03	4.6334-02	5.9585+04	7.4133-04	1.3070+00
66	454.75	2.4024+01	4.0297+00	1.2477-02	4.0297+00	1.2477-02	8.6927-03	1.9784-01	2.5442+05	3.1684-03	1.6410+00
69	440.83	1.1626+00	1.9315-01	5.9191-04	1.9315-01	5.9191-04	4.1239-04	9.3857-03	1.2070+04	1.5023-04	4.1100-01
70	433.45	2.1917+00	3.6225-01	1.1041-03	3.6225-01	1.1041-03	7.6925-04	1.7508-02	2.2515+04	2.8014-04	7.1100-01
71	442.18	5.4904+00	9.1035-01	2.7925-03	9.1035-01	2.7925-03	1.9456-03	4.4280-02	5.6943+04	7.0877-04	1.3070+00
72	463.10	2.3637+01	3.9872+00	1.2422-02	3.9872+00	1.2422-02	8.6548-03	1.9698-01	2.5331+05	3.1557-03	1.6410+00
73	452.12	2.4561+00	3.9561-01	1.2225-03	3.9561-01	1.2225-03	8.5172-04	1.9385-02	2.4928+04	3.1041-04	3.7770+00
74	467.40	1.3657+00	2.2564-01	7.0527-04	2.2564-01	7.0527-04	4.9137-04	1.1183-02	1.4381+04	1.7920-04	5.3230+00
77	431.24	3.3538+00	5.4862-01	1.6695-03	5.4862-01	1.6695-03	1.1631-03	2.6472-02	3.4042+04	4.2353-04	3.0090+00
78	427.57	2.6930+00	4.3420-01	1.3178-03	4.3420-01	1.3178-03	9.1809-04	2.0895-02	2.6871+04	3.3426-04	3.3930+00
79	434.33	2.2509+00	3.5812-01	1.0922-03	3.5812-01	1.0922-03	7.6097-04	1.7319-02	2.2272+04	2.7713-04	3.7770+00
80	455.62	7.3070+00	1.2300+00	3.8107-03	1.2300+00	3.8107-03	2.6549-03	6.0424-02	7.7705+04	9.6774-04	2.4660+00
81	432.27	3.6805+00	6.0250-01	1.8348-03	6.0250-01	1.8348-03	1.2783-03	2.9094-02	3.7414+04	4.6550-04	3.0090+00
82	427.87	3.5558+00	5.7516-01	1.7459-03	5.7516-01	1.7459-03	1.2164-03	2.7684-02	3.5602+04	4.4287-04	3.3930+00
83	430.71	2.5699+00	4.1279-01	1.2557-03	4.1279-01	1.2557-03	8.7482-04	1.9910-02	2.5604+04	3.1855-04	3.7770+00
337	489.38	1.1582+01	2.1798+00	6.9278-03	2.1798+00	6.9278-03	4.8266-03	1.0985-01	1.4127+05	1.7619-03	7.1680+00
339	480.26	1.1901+01	2.2740+00	7.1772-03	2.2740+00	7.1772-03	5.0004-03	1.1381-01	1.4635+05	1.8246-03	8.1130+00
340	467.15	3.3174+00	6.1527-01	1.9227-03	6.1527-01	1.9227-03	1.3396-03	3.0488-02	3.9207+04	4.8852-04	8.6180+00
342	480.90	7.8192+00	1.5103+00	4.7692-03	1.5103+00	4.7692-03	3.3227-03	7.5623-02	9.7249+04	1.2125-03	7.1680+00
344	479.93	1.4603+01	2.8042+00	8.8484-03	2.8042+00	8.8484-03	6.1648-03	1.4031-01	1.8043+05	2.2494-03	8.1130+00
347	484.29	8.5974+00	1.6127+00	5.1057-03	1.6127+00	5.1057-03	3.5572-03	8.0959-02	1.0411+05	1.2982-03	7.1680+00
349	478.72	1.2302+01	2.3544+00	7.4222-03	2.3544+00	7.4222-03	5.1711-03	1.1769-01	1.5135+05	1.8867-03	8.1130+00
350	465.17	3.6618+00	6.4026-01	1.9979-03	6.4026-01	1.9979-03	1.3919-03	3.1679-02	4.0739+04	5.0757-04	8.6180+00
352	493.58	8.6358+00	1.5907+00	5.0717-03	1.5907+00	5.0717-03	3.5335-03	8.0420-02	1.0342+05	1.2901-03	7.1680+00
354	487.49	1.3814+01	2.6521+00	8.4168-03	2.6521+00	8.4168-03	5.8640-03	1.3346-01	1.7163+05	2.1404-03	8.1130+00
357	494.43	6.9444+00	1.2763+00	4.0721-03	1.2763+00	4.0721-03	2.8371-03	6.4570-02	8.3035+04	1.0358-03	7.1680+00
359	489.79	1.2393+01	2.2274+00	7.0813-03	2.2274+00	7.0813-03	4.9336-03	1.1228-01	1.4440+05	1.8009-03	8.1130+00
401	445.96	2.1034+00	1.7330-01	5.3308-04	1.7330-01	5.3308-04	3.7140-04	8.4527-03	1.0870+04	1.3532-04	4.5500-01
403	447.89	2.4540+00	2.0006-01	6.1628-04	2.0006-01	6.1628-04	4.2937-04	9.7720-03	1.2567+04	1.5646-04	6.8600-01
404	17.87	-9.3332+01	-5.0910+00	-1.1931-02	-5.0910+00	-1.1931-02	-8.3126-03	-1.8919-01	-2.4329+05	-2.9794-03	8.0100-01
405	453.24	4.1023+00	3.3566-01	1.0381-03	3.3566-01	1.0381-03	7.2326-04	1.6461-02	2.1168+04	2.6361-04	1.0510+00
406	454.83	6.0104+00	4.9526-01	1.5335-03	4.9526-01	1.5335-03	1.0684-03	2.4316-02	3.1270+04	3.8943-04	1.1670+00
407	458.16	7.2042+00	6.0559-01	1.8798-03	6.0559-01	1.8798-03	1.3097-03	2.9807-02	3.8332+04	4.7744-04	1.2830+00
408	448.24	3.4265+00	2.7606-01	8.5061-04	2.7606-01	8.5061-04	5.9262-04	1.3488-02	1.7345+04	2.1595-04	5.1300-01
409	446.67	4.0473+00	3.3164-01	1.0207-03	3.3164-01	1.0207-03	7.1113-04	1.6185-02	2.0813+04	2.5911-04	5.7000-01
410	449.98	3.6639+00	2.9016-01	8.9523-04	2.9016-01	8.9523-04	6.2372-04	1.4195-02	1.8255+04	2.2729-04	6.2800-01
411	451.94	4.0940+00	3.3669-01	1.0403-03	3.3669-01	1.0403-03	7.2477-04	1.6495-02	2.1213+04	2.6414-04	6.8600-01
412	461.21	2.8390+00	2.3355-01	7.2660-04	2.3355-01	7.2660-04	5.0623-04	1.1521-02	1.4816+04	1.8457-04	7.4400-01
413	452.15	4.3257+00	3.5791-01	1.1060-03	3.5791-01	1.1060-03	7.7057-04	1.7538-02	2.2553+04	2.8084-04	8.0100-01
414	452.63	3.8327+00	3.1347-01	9.6904-04	3.1347-01	9.6904-04	6.7513-04	1.5366-02	1.9760+04	2.4606-04	8.5900-01
415	455.81	4.8426+00	3.9930-01	1.2373-03	3.9930-01	1.2373-03	8.6203-04	1.9619-02	2.5230+04	3.1422-04	9.1700-01
416	452.34	3.4462+00	2.6324-01	8.1360-04	2.6324-01	8.1360-04	5.6684-04	1.2901-02	1.6590+04	2.0659-04	5.7000-01
417	457.22	5.6270+00	4.6166-01	1.4320-03	4.6166-01	1.4320-03	9.9770-04	2.2707-02	2.9201+04	3.6369-04	1.0520+00

20 1 11.98 -.02 .00 -.00 402 11 2.65 10.09 460.9 1726.6

8.39829+01 9.85199-03 7.02652-01 4.53263+03 9.84226-06 6.80261-08 5.50177-02 7.72000+00 7.02837-06 7.47202-02

1	440.16	1.0634+00	1.7658-01	5.4080-04	1.7658-01	5.4080-04	3.7678-04	8.5751-03	1.1027+04	1.3727-04	4.1100-01
2	431.33	2.0177+00	3.3300-01	1.0132-03	3.3300-01	1.0132-03	7.0593-04	1.6066-02	2.0661+04	2.5709-04	7.1100-01
3	437.28	4.5465+00	7.5348-01	2.3027-03	7.5348-01	2.3027-03	1.6043-03	3.6513-02	4.6955+04	5.8441-04	1.3070+00
4	451.73	1.3896+01	2.3260+00	7.1846-03	2.3260+00	7.1846-03	5.0055-03	1.1392-01	1.4650+05	1.8245-03	1.6410+00
5	464.12	2.0057+01	3.5441+00	1.1049-02	3.5441+00	1.1049-02	7.6976-03	1.7519-01	2.2530+05	2.8073-03	1.7720+00
6	459.78	7.3969+00	1.2268+00	3.8120-03	1.2268+00	3.8120-03	2.6558-03	6.0445-02	7.7732+04	9.6839-04	2.4660+00
7	437.23	4.3075+00	7.0133-01	2.1433-03	7.0133-01	2.1433-03	1.4932-03	3.3984-02	4.3703+04	5.4394-04	3.0090+00
8	428.99	3.6894+00	5.9190-01	1.7979-03	5.9190-01	1.7979-03	1.2526-03	2.8509-02	3.6662+04	4.5615-04	3.3930+00
9	430.19	2.8836+00	4.6302-01	1.4077-03	4.6302-01	1.4077-03	9.8075-04	2.2321-02	2.8705+04	3.5716-04	3.7770+00
10	458.12	1.5558+00	2.5545-01	7.9280-04	2.5545-01	7.9280-04	5.5235-04	1.2571-02	1.6166+04	2.0138-04	5.3230+00
14	427.90	3.2291+00	5.3165-01	1.6136-03	5.3165-01	1.6136-03	1.1242-03	2.5587-02	3.2904+04	4.0937-04	1.0880+00
15	428.17	5.1397+00	8.4638-01	2.5694-03	8.4638-01	2.5694-03	1.7901-03	4.0742-02	5.2394+04	6.5186-04	1.3070+00
16	446.41	1.8233+01	3.0409+00	9.3560-03	3.0409+00	9.3560-03	6.5184-03	1.4835-01	1.9078+05	2.3754-03	1.6410+00
19	448.08	1.1216+00	1.7029-01	5.2459-04	1.7029-01	5.2459-04	3.6548-04	8.3181-03	1.0697+04	1.3320-04	4.1100-01
20	441.68	1.9257+00	3.0515-01	9.3557-04	3.0515-01	9.3557-04	6.5182-04	1.4835-02	1.9077+04	2.3749-04	7.1100-01
21	429.13	3.4088+00	5.4366-01	1.6516-03	5.4366-01	1.6516-03	1.1507-03	2.6188-02	3.3678+04	4.1902-04	1.0880+00
22	426.30	5.3865+00	8.6254-01	2.6149-03	8.6254-01	2.6149-03	1.8218-03	4.1463-02	5.3321+04	6.6335-04	1.3070+00
23	504.12	4.1564-02	6.9077-03	2.2201-05	6.9077-03	2.2201-05	1.5468-05	3.5203-04	4.5271+02	5.6507-06	1.6410+00
24	450.13	3.3974+00	5.5312-01	1.7065-03	5.5312-01	1.7065-03	1.1889-03	2.7058-02	3.4797+04	4.3332-04	3.0090+00
25	443.80	2.8545+00	4.5160-01	1.3868-03	4.5160-01	1.3868-03	9.6616-04	2.1989-02	2.8278+04	3.5205-04	3.3930+00
26	440.75	2.4540+00	3.8980-01	1.1943-03	3.8980-01	1.1943-03	8.3208-04	1.8937-02	2.4353+04	3.0315-04	3.7770+00
27	441.29	1.5958+00	2.5281-01	7.7488-04	2.5281-01	7.7488-04	5.3986-04	1.2287-02	1.5801+04	1.9669-04	7.1100-01
28	431.86	3.5091+00	5.6072-01	1.7068-03	5.6072-01	1.7068-03	1.1892-03	2.7064-02	3.4804+04	4.3308-04	1.0880+00
29	430.48	5.6410+00	9.1412-01	2.7798-03	9.1412-01	2.7798-03	1.9367-03	4.4077-02	5.6683+04	7.0529-04	1.3070+00
30	451.23	2.0567+01	3.3912+00	1.0471-02	3.3912+00	1.0471-02	7.2953-03	1.6603-01	2.1352+05	2.6591-03	1.6410+00
31	463.32	2.4550+01	4.1418+00	1.2904-02	4.1418+00	1.2904-02	8.9905-03	2.0462-01	2.6313+05	3.2787-03	1.7720+00
32	464.18	8.1595+00	1.3573+00	4.2314-03	1.3573+00	4.2314-03	2.9480-03	6.7095-02	8.6283+04	1.0751-03	2.4660+00
33	444.83	3.8940+00	6.4115-01	1.9703-03	6.4115-01	1.9703-03	1.3727-03	3.1243-02	4.0177+04	5.0022-04	3.0090+00
34	437.70	3.4857+00	5.6265-01	1.7200-03	5.6265-01	1.7200-03	1.1983-03	2.7273-02	3.5073+04	4.3654-04	3.3930+00
35	436.54	3.0374+00	4.6929-01	1.4334-03	4.6929-01	1.4334-03	9.9866-04	2.2729-02	2.9229+04	3.6378-04	3.7770+00
36	434.00	5.3096+00	8.5227-01	2.5984-03	8.5227-01	2.5984-03	1.8103-03	4.1201-02	5.2984+04	6.5936-04	1.3070+00
37	461.55	7.2036+00	1.2103+00	3.7660-03	1.2103+00	3.7660-03	2.6238-03	5.9715-02	7.6793+04	9.5677-04	2.4660+00
38	442.34	4.5377+00	7.3481-01	2.2540-03	7.3481-01	2.2540-03	1.5704-03	3.5741-02	4.5962+04	5.7218-04	3.0090+00
39	434.45	3.6982+00	5.9201-01	1.8055-03	5.9201-01	1.8055-03	1.2579-03	2.8629-02	3.6816+04	4.5817-04	3.3930+00
40	435.35	3.1901+00	5.0637-01	1.5453-03	5.0637-01	1.5453-03	1.0766-03	2.4503-02	3.1511+04	3.9216-04	3.7770+00
41	444.18	2.5538+00	3.9915-01	1.2260-03	3.9915-01	1.2260-03	8.5419-04	1.9441-02	2.5000+04	3.1125-04	4.1620+00
43	458.49	1.6748+00	2.7834-01	8.6409-04	2.7834-01	8.6409-04	6.0202-04	1.3702-02	1.7620+04	2.1950-04	5.3230+00
47	442.09	1.8171+00	2.9067-01	8.9147-04	2.9067-01	8.9147-04	6.2109-04	1.4136-02	1.8178+04	2.2630-04	7.1100-01
48	429.29	3.9439+00	6.3666-01	1.9343-03	6.3666-01	1.9343-03	1.3477-03	3.0672-02	3.9444+04	4.9076-04	1.0880+00
49	434.88	5.8104+00	9.4728-01	2.8899-03	9.4728-01	2.8899-03	2.0134-03	4.5824-02	5.8928+04	7.3336-04	1.3070+00
50	458.99	2.1127+01	3.5228+00	1.0940-02	3.5228+00	1.0940-02	7.6222-03	1.7347-01	2.2309+05	2.7791-03	1.6410+00
51	472.28	2.5392+01	4.3096+00	1.3518-02	4.3096+00	1.3518-02	9.4181-03	2.1435-01	2.7565+05	3.4359-03	1.7720+00
52	458.36	2.5403+00	4.2714-01	1.3259-03	4.2714-01	1.3259-03	9.2374-04	2.1024-02	2.7036+04	3.3680-04	2.4660+00
53	439.12	3.6738+00	5.9359-01	1.8165-03	5.9359-01	1.8165-03	1.2656-03	2.8803-02	3.7040+04	4.6105-04	3.0090+00
54	434.06	3.0774+00	4.8953-01	1.4925-03	4.8953-01	1.4925-03	1.0398-03	2.3666-02	3.0434+04	3.7874-04	3.3930+00
55	437.20	2.5694+00	4.0214-01	1.2289-03	4.0214-01	1.2289-03	8.5617-04	1.9486-02	2.5059+04	3.1188-04	3.7770+00
56	448.95	8.3014-01	1.2734-01	3.9251-04	1.2734-01	3.9251-04	2.7347-04	6.2239-03	8.0038+03	9.9667-05	4.1100-01
57	442.06	2.0213+00	3.2136-01	9.8556-04	3.2136-01	9.8556-04	6.8665-04	1.5628-02	2.0097+04	2.5018-04	7.1100-01
58	435.47	3.5242+00	5.7138-01	1.7438-03	5.7138-01	1.7438-03	1.2149-03	2.7651-02	3.5559+04	4.4255-04	1.0880+00
59	435.85	5.9470+00	9.6734-01	2.9532-03	9.6734-01	2.9532-03	2.0575-03	4.6827-02	6.0219+04	7.4945-04	1.3070+00
60	461.42	2.3841+01	3.9584+00	1.2315-02	3.9584+00	1.2315-02	8.5801-03	1.9528-01	2.5112+05	3.1287-03	1.6410+00
61	435.08	1.9564+00	3.1426-01	9.5887-04	3.1426-01	9.5887-04	6.6805-04	1.5204-02	1.9552+04	2.4333-04	3.0090+00
62	430.15	1.7745+00	2.8151-01	8.5583-04	2.8151-01	8.5583-04	5.9626-04	1.3570-02	1.7451+04	2.1714-04	3.3930+00
63	436.63	1.4462+00	2.2626-01	6.9115-04	2.2626-01	6.9115-04	4.8153-04	1.0959-02	1.4093+04	1.7540-04	3.7770+00
64	431.40	3.6223+00	5.9786-01	1.8193-03	5.9786-01	1.8193-03	1.2675-03	2.8847-02	3.7097+04	4.6160-04	1.0880+00
65	433.08	5.8400+00	9.6502-01	2.9401-03	9.6502-01	2.9401-03	2.0484-03	4.6620-02	5.9952+04	7.4605-04	1.3070+00
66	460.75	2.4137+01	4.0651+00	1.2641-02	4.0651+00	1.2641-02	8.8070-03	2.0044-01	2.5776+05	3.2114-03	1.6410+00
69	441.11	1.1953+00	1.9863-01	6.0873-04	1.9863-01	6.0873-04	4.2411-04	9.6524-03	1.2413+04	1.5452-04	4.1100-01
70	433.99	2.2249+00	3.6789-01	1.1216-03	3.6789-01	1.1216-03	7.8142-04	1.7784-02	2.2871+04	2.8461-04	7.1100-01
71	443.55	5.4629+00	9.0664-01	2.7836-03	9.0664-01	2.7836-03	1.9393-03	4.4137-02	5.6760+04	7.0664-04	1.3070+00
72	469.01	2.3479+01	3.9763+00	1.2442-02	3.9763+00	1.2442-02	8.6682-03	1.9728-01	2.5370+05	3.1619-03	1.6410+00
73	452.72	2.5761+00	4.1511-01	1.2831-03	4.1511-01	1.2831-03	8.9397-04	2.0346-02	2.6165+04	3.2587-04	3.7770+00
74	467.75	1.4135+00	2.3359-01	7.3020-04	2.3359-01	7.3020-04	5.0874-04	1.1578-02	1.4890+04	1.8556-04	5.3230+00
77	432.08	3.3636+00	5.5056-01	1.6761-03	5.5056-01	1.6761-03	1.1678-03	2.6578-02	3.4178+04	4.2530-04	3.0090+00
78	428.25	2.6691+00	4.3056-01	1.3072-03	4.3056-01	1.3072-03	9.1070-04	2.0727-02	2.6654+04	3.3162-04	3.3930+00
79	434.86	2.2577+00	3.5933-01	1.0962-03	3.5933-01	1.0962-03	7.6373-04	1.7382-02	2.2353+04	2.7818-04	3.7770+00
80	457.46	7.3927+00	1.2459+00	3.8649-03	1.2459+00	3.8649-03	2.6927-03	6.1284-02	7.8810+04	9.8173-04	2.4660+00
81	433.22	3.7423+00	6.1303-01	1.8679-03	6.1303-01	1.8679-03	1.3014-03	2.9618-02	3.8089+04	4.7398-04	3.0090+00
82	428.76	3.5995+00	5.8259-01	1.7694-03	5.8259-01	1.7694-03	1.2327-03	2.8056-02	3.6080+04	4.4890-04	3.3930+00
83	431.35	2.6146+00	4.2016-01	1.2785-03	4.2016-01	1.2785-03	8.9072-04	2.0272-02	2.6070+04	3.2439-04	3.7770+00
337	492.25	1.1426+01	2.1546+00	6.8617-03	2.1546+00	6.8617-03	4.7806-03	1.0880-01	1.3992+05	1.7455-03	7.1680+00
339	483.29	1.2065+01	2.3100+00	7.3063-03	2.3100+00	7.3063-03	5.0904-03	1.1585-01	1.4899+05	1.8579-03	8.1130+00
340	467.97	3.3231+00	6.1667-01	1.9280-03	6.1667-01	1.9280-03	1.3433-03	3.0572-02	3.9315+04	4.8996-04	8.6180+00
342	482.87	7.7465+00	1.4982+00	4.7374-03	1.4982+00	4.7374-03	3.3005-03	7.5118-02	9.6600+04	1.2046-03	7.1680+00
344	483.58	1.4592+01	2.8089+00	8.8863-03	2.8089+00	8.8863-03	6.1911-03	1.4091-01	1.8120+05	2.2597-03	8.1130+00
347	486.43	8.5522+00	1.6065+00	5.0935-03	1.6065+00	5.0935-03	3.5487-03	8.0765-02	1.0386+05	1.2954-03	7.1680+00
349	481.81	1.2315+01	2.3618+00	7.4618-03	2.3618+00	7.4618-03	5.1987-03	1.1832-01	1.5215+05	1.8973-03	8.1130+00
350	466.07	3.6270+00	6.3456-01	1.9811-03	6.3456-01	1.9811-03	1.3803-03	3.1414-02	4.0398+04	5.0342-04	8.6180+00
352	495.70	8.5626+00	1.5793+00	5.0431-03	1.5793+00	5.0431-03	3.5135-03	7.9966-02	1.0283+05	1.2831-03	7.1680+00
354	490.97	1.3833+01	2.6617+00	8.4685-03	2.6617+00	8.4685-03	5.9000-03	1.3428-01	1.7268+05	2.1542-03	8.1130+00
357	496.16	6.9278+00	1.2747+00	4.0717-03	1.2747+00	4.0717-03	2.8368-03	6.4563-02	8.3027+04	1.0360-03	7.1680+00
359	492.87	1.2254+01	2.2068+00	7.0313-03	2.2068+00	7.0313-03	4.8987-03	1.1149-01	1.4338+05	1.7887-03	8.1130+00
401	446.49	2.1418+00	1.7653-01	5.4315-04	1.7653-01	5.4315-04	3.7841-04	8.6124-03	1.1075+04	1.3790-04	4.5500-01
403	448.52	2.5039+00	2.0421-01	6.2927-04	2.0421-01	6.2927-04	4.3842-04	9.9781-03	1.2832+04	1.5978-04	6.8600-01
404	5.96	-8.8698+01	-4.6863+00	-1.0840-02	-4.6863+00	-1.0840-02	-7.5521-03	-1.7188-01	-2.2104+05	-2.7049-03	8.0100-01
405	454.35	4.4218+00	3.6207-01	1.1206-03	3.6207-01	1.1206-03	7.8070-04	1.7768-02	2.2850+04	2.8460-04	1.0510+00
406	456.34	5.9366+00	4.8968-01	1.5177-03	4.8968-01	1.5177-03	1.0574-03	2.4066-02	3.0948+04	3.8550-04	1.1670+00
407	459.95	7.1101+00	5.9842-01	1.8597-03	5.9842-01	1.8597-03	1.2957-03	2.9489-02	3.7922+04	4.7245-04	1.2830+00
408	449.08	3.4332+00	2.7676-01	8.5318-04	2.7676-01	8.5318-04	5.9442-04	1.3529-02	1.7397+04	2.1664-04	5.1300-01
409	447.77	4.1839+00	3.4309-01	1.0567-03	3.4309-01	1.0567-03	7.3618-04	1.6755-02	2.1546+04	2.6829-04	5.7000-01
410	450.93	3.4592+00	2.7413-01	8.4623-04	2.7413-01	8.4623-04	5.8958-04	1.3418-02	1.7256+04	2.1489-04	6.2800-01
411	452.93	4.0940+00	3.3691-01	1.0416-03	3.3691-01	1.0416-03	7.2569-04	1.6516-02	2.1239+04	2.6453-04	6.8600-01
412	461.83	2.3003+00	1.8931-01	5.8917-04	1.8931-01	5.8917-04	4.1048-04	9.3422-03	1.2014+04	1.4968-04	7.4400-01
413	453.15	4.2894+00	3.5514-01	1.0981-03	3.5514-01	1.0981-03	7.6508-04	1.7413-02	2.2392+04	2.7889-04	8.0100-01
414	453.62	4.0935+00	3.3502-01	1.0363-03	3.3502-01	1.0363-03	7.2199-04	1.6432-02	2.1131+04	2.6319-04	8.5900-01
415	457.02	4.7870+00	3.9504-01	1.2250-03	3.9504-01	1.2250-03	8.5348-04	1.9425-02	2.4980+04	3.1116-04	9.1700-01
416	453.21	3.5704+00	2.7289-01	8.4382-04	2.7289-01	8.4382-04	5.8790-04	1.3380-02	1.7207+04	2.1430-04	5.7000-01
417	458.60	5.4535+00	4.4784-01	1.3904-03	4.4784-01	1.3904-03	9.6869-04	2.2047-02	2.8352+04	3.5319-04	1.0520+00

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20 1 11.98 -.02 .00 -.00 402 11 3.15 10.09 460.9 1726.8

8.39919+01 9.85183-03 7.02641-01 4.53288+03 9.84105-06 6.80334-08 5.50080-02 7.72000+00 7.02923-06 7.47192-02

1	440.67	1.0078+00	1.6741-01	5.1321-04	1.6741-01	5.1321-04	3.5758-04	8.1377-03	1.0464+04	1.3017-04	4.1100-01
2	432.32	2.0421+00	3.3726-01	1.0276-03	3.3726-01	1.0276-03	7.1595-04	1.6293-02	2.0951+04	2.6055-04	7.1100-01
3	439.51	4.5491+00	7.5509-01	2.3127-03	7.5509-01	2.3127-03	1.6114-03	3.6672-02	4.7154+04	5.8659-04	1.3070+00
4	458.71	1.4162+01	2.3819+00	7.3999-03	2.3819+00	7.3999-03	5.1559-03	1.1734-01	1.5088+05	1.8784-03	1.6410+00
5	473.93	1.9110+01	3.3989+00	1.0681-02	3.3989+00	1.0681-02	7.4421-03	1.6937-01	2.1777+05	2.7130-03	1.7720+00
6	463.51	7.5101+00	1.2487+00	3.8933-03	1.2487+00	3.8933-03	2.7127-03	6.1734-02	7.9379+04	9.8847-04	2.4660+00
7	439.37	4.2177+00	6.8772-01	2.1062-03	6.8772-01	2.1062-03	1.4675-03	3.3397-02	4.2943+04	5.3420-04	3.0090+00
8	430.84	3.6556+00	5.8724-01	1.7873-03	5.8724-01	1.7873-03	1.2453-03	2.8340-02	3.6440+04	4.5315-04	3.3930+00
9	431.63	2.8504+00	4.5815-01	1.3952-03	4.5815-01	1.3952-03	9.7209-04	2.2122-02	2.8446+04	3.5375-04	3.7770+00
10	458.89	1.5901+00	2.6121-01	8.1164-04	2.6121-01	8.1164-04	5.6551-04	1.2870-02	1.6548+04	2.0603-04	5.3230+00
14	429.53	3.1771+00	5.2369-01	1.5923-03	5.2369-01	1.5923-03	1.1095-03	2.5249-02	3.2465+04	4.0370-04	1.0880+00
15	430.75	5.2296+00	8.6274-01	2.6256-03	8.6274-01	2.6256-03	1.8294-03	4.1632-02	5.3532+04	6.6570-04	1.3070+00
16	455.46	1.8133+01	3.0430+00	9.4310-03	3.0430+00	9.4310-03	6.5711-03	1.4954-01	1.9229+05	2.3936-03	1.6410+00
19	448.62	9.4805-01	1.4400-01	4.4404-04	1.4400-01	4.4404-04	3.0938-04	7.0409-03	9.0534+03	1.1267-04	4.1100-01
20	442.67	2.0088+00	3.1854-01	9.7790-04	3.1854-01	9.7790-04	6.8136-04	1.5506-02	1.9938+04	2.4806-04	7.1100-01
21	430.84	3.3377+00	5.3295-01	1.6220-03	5.3295-01	1.6220-03	1.1301-03	2.5720-02	3.3071+04	4.1125-04	1.0880+00
22	429.03	5.3932+00	8.6528-01	2.6300-03	8.6528-01	2.6300-03	1.8325-03	4.1702-02	5.3622+04	6.6677-04	1.3070+00
23	504.20	8.6753-02	1.4419-02	4.6372-05	1.4419-02	4.6372-05	3.2310-05	7.3530-04	9.4546+02	1.1794-05	1.6410+00
24	451.74	3.0883+00	5.0335-01	1.5557-03	5.0335-01	1.5557-03	1.0839-03	2.4668-02	3.1719+04	3.9478-04	3.0090+00
25	445.21	2.7413+00	4.3411-01	1.3352-03	4.3411-01	1.3352-03	9.3031-04	2.1172-02	2.7223+04	3.3874-04	3.3930+00
26	442.00	2.5148+00	3.9980-01	1.2268-03	3.9980-01	1.2268-03	8.5478-04	1.9453-02	2.5013+04	3.1119-04	3.7770+00
27	442.11	1.6758+00	2.6563-01	8.1516-04	2.6563-01	8.1516-04	5.6796-04	1.2926-02	1.6620+04	2.0678-04	7.1100-01
28	433.57	3.3964+00	5.4336-01	1.6570-03	5.4336-01	1.6570-03	1.1545-03	2.6275-02	3.3785+04	4.2018-04	1.0880+00
29	433.30	5.6182+00	9.1222-01	2.7813-03	9.1222-01	2.7813-03	1.9379-03	4.4102-02	5.6707+04	7.0526-04	1.3070+00
30	461.53	2.0792+01	3.4524+00	1.0748-02	3.4524+00	1.0748-02	7.4890-03	1.7043-01	2.1915+05	2.7287-03	1.6410+00
31	475.35	2.3578+01	4.0099+00	1.2615-02	4.0099+00	1.2615-02	8.7893-03	2.0003-01	2.5720+05	3.2044-03	1.7720+00
32	468.35	8.4592+00	1.4111+00	4.4156-03	1.4111+00	4.4156-03	3.0766-03	7.0016-02	9.0028+04	1.1213-03	2.4660+00
33	446.80	3.9506+00	6.5136-01	2.0058-03	6.5136-01	2.0058-03	1.3975-03	3.1805-02	4.0895+04	5.0889-04	3.0090+00
34	439.44	3.4618+00	5.5946-01	1.7135-03	5.5946-01	1.7135-03	1.1939-03	2.7170-02	3.4936+04	4.3460-04	3.3930+00
35	438.11	3.0556+00	4.7261-01	1.4461-03	4.7261-01	1.4461-03	1.0076-03	2.2930-02	2.9483+04	3.6675-04	3.7770+00
36	436.60	5.1449+00	8.2734-01	2.5286-03	8.2734-01	2.5286-03	1.7618-03	4.0095-02	5.1556+04	6.4128-04	1.3070+00
37	465.25	7.4790+00	1.2597+00	3.9329-03	1.2597+00	3.9329-03	2.7402-03	6.2362-02	8.0186+04	9.9859-04	2.4660+00
38	444.64	4.5278+00	7.3437-01	2.2578-03	7.3437-01	2.2578-03	1.5731-03	3.5801-02	4.6034+04	5.7278-04	3.0090+00
39	436.38	4.0821+00	6.5435-01	1.9996-03	6.5435-01	1.9996-03	1.3932-03	3.1706-02	4.0769+04	5.0710-04	3.3930+00
40	436.91	3.1532+00	5.0106-01	1.5318-03	5.0106-01	1.5318-03	1.0673-03	2.4288-02	3.1231+04	3.8847-04	3.7770+00
41	445.45	2.5600+00	4.0048-01	1.2320-03	4.0048-01	1.2320-03	8.5840-04	1.9535-02	2.5119+04	3.1255-04	4.1620+00
43	459.34	1.7205+00	2.8611-01	8.8929-04	2.8611-01	8.8929-04	6.1961-04	1.4101-02	1.8131+04	2.2574-04	5.3230+00
47	442.99	1.7844+00	2.8562-01	8.7705-04	2.8562-01	8.7705-04	6.1109-04	1.3907-02	1.7882+04	2.2248-04	7.1100-01
48	431.22	3.7808+00	6.1116-01	1.8606-03	6.1116-01	1.8606-03	1.2964-03	2.9502-02	3.7935+04	4.7175-04	1.0880+00
49	437.81	5.7522+00	9.3971-01	2.8746-03	9.3971-01	2.8746-03	2.0029-03	4.5582-02	5.8610+04	7.2906-04	1.3070+00
50	469.61	2.1021+01	3.5303+00	1.1058-02	3.5303+00	1.1058-02	7.7046-03	1.7534-01	2.2545+05	2.8082-03	1.6410+00
51	484.70	2.4412+01	4.1775+00	1.3236-02	4.1775+00	1.3236-02	9.2220-03	2.0987-01	2.6986+05	3.3634-03	1.7720+00
52	459.62	2.5122+00	4.2278-01	1.3144-03	4.2278-01	1.3144-03	9.1580-04	2.0841-02	2.6799+04	3.3365-04	2.4660+00
53	440.95	3.6203+00	5.8568-01	1.7958-03	5.8568-01	1.7958-03	1.2512-03	2.8475-02	3.6613+04	4.5550-04	3.0090+00
54	435.58	3.0239+00	4.8153-01	1.4706-03	4.8153-01	1.4706-03	1.0246-03	2.3319-02	2.9984+04	3.7294-04	3.3930+00
55	438.50	2.4935+00	3.9062-01	1.1955-03	3.9062-01	1.1955-03	8.3299-04	1.8957-02	2.4375+04	3.0322-04	3.7770+00
56	449.45	1.0114+00	1.5520-01	4.7885-04	1.5520-01	4.7885-04	3.3364-04	7.5929-03	9.7632+03	1.2150-04	4.1100-01
57	443.09	1.9922+00	3.1696-01	9.7337-04	3.1696-01	9.7337-04	6.7820-04	1.5434-02	1.9846+04	2.4692-04	7.1100-01
58	437.26	3.5236+00	5.7201-01	1.7491-03	5.7201-01	1.7491-03	1.2187-03	2.7735-02	3.5662+04	4.4359-04	1.0880+00
59	438.81	5.8701+00	9.5680-01	2.9291-03	9.5680-01	2.9291-03	2.0408-03	4.6445-02	5.9720+04	7.4289-04	1.3070+00
60	473.33	2.3534+01	3.9386+00	1.2371-02	3.9386+00	1.2371-02	8.6198-03	1.9617-01	2.5224+05	3.1423-03	1.6410+00
61	436.06	1.9112+00	3.0721-01	9.3858-04	3.0721-01	9.3858-04	6.5396-04	1.4883-02	1.9136+04	2.3802-04	3.0090+00
62	431.02	1.6660+00	2.6444-01	8.0493-04	2.6444-01	8.0493-04	5.6084-04	1.2763-02	1.6412+04	2.0409-04	3.3930+00
63	437.36	1.4592+00	2.2841-01	6.9850-04	2.2841-01	6.9850-04	4.8668-04	1.1076-02	1.4241+04	1.7715-04	3.7770+00
64	433.20	3.6171+00	5.9776-01	1.8224-03	5.9776-01	1.8224-03	1.2698-03	2.8897-02	3.7156+04	4.6211-04	1.0880+00
65	436.02	5.8691+00	9.7182-01	2.9690-03	9.7182-01	2.9690-03	2.0686-03	4.7077-02	6.0533+04	7.5292-04	1.3070+00
66	472.85	2.3815+01	4.0436+00	1.2697-02	4.0436+00	1.2697-02	8.8464-03	2.0132-01	2.5887+05	3.2248-03	1.6410+00
69	441.71	1.1995+00	1.9940-01	6.1173-04	1.9940-01	6.1173-04	4.2622-04	9.6999-03	1.2472+04	1.5517-04	4.1100-01
70	435.11	2.1927+00	3.6285-01	1.1078-03	3.6285-01	1.1078-03	7.7185-04	1.7565-02	2.2586+04	2.8092-04	7.1100-01
71	446.26	5.4234+00	9.0177-01	2.7758-03	9.0177-01	2.7758-03	1.9341-03	4.4015-02	5.6595+04	7.0424-04	1.3070+00
72	480.64	2.3239+01	3.9661+00	1.2527-02	3.9661+00	1.2527-02	8.7283-03	1.9863-01	2.5541+05	3.1828-03	1.6410+00
73	454.11	2.8088+00	4.5303-01	1.4027-03	4.5303-01	1.4027-03	9.7730-04	2.2241-02	2.8598+04	3.5598-04	3.7770+00
74	468.44	1.3319+00	2.2021-01	6.8916-04	2.2021-01	6.8916-04	4.8018-04	1.0928-02	1.4051+04	1.7501-04	5.3230+00
77	433.73	3.2961+00	5.4013-01	1.6473-03	5.4013-01	1.6473-03	1.1478-03	2.6121-02	3.3587+04	4.1773-04	3.0090+00
78	429.54	2.6171+00	4.2256-01	1.2848-03	4.2256-01	1.2848-03	8.9521-04	2.0373-02	2.6196+04	3.2574-04	3.3930+00
79	436.01	2.2582+00	3.5970-01	1.0989-03	3.5970-01	1.0989-03	7.6566-04	1.7425-02	2.2405+04	2.7868-04	3.7770+00
80	461.20	7.6265+00	1.2886+00	4.0108-03	1.2886+00	4.0108-03	2.7946-03	6.3598-02	8.1776+04	1.0182-03	2.4660+00
81	435.06	3.7543+00	6.1578-01	1.8799-03	6.1578-01	1.8799-03	1.3098-03	2.9809-02	3.8329+04	4.7672-04	3.0090+00
82	430.53	3.3803+00	5.4778-01	1.6668-03	5.4778-01	1.6668-03	1.1613-03	2.6429-02	3.3984+04	4.2260-04	3.3930+00
83	432.69	2.5849+00	4.1579-01	1.2672-03	4.1579-01	1.2672-03	8.8290-04	2.0093-02	2.5836+04	3.2131-04	3.7770+00
337	497.94	1.1533+01	2.1827+00	6.9860-03	2.1827+00	6.9860-03	4.8675-03	1.1077-01	1.4244+05	1.7763-03	7.1680+00
339	489.34	1.2108+01	2.3274+00	7.4001-03	2.3274+00	7.4001-03	5.1560-03	1.1734-01	1.5088+05	1.8809-03	8.1130+00
340	469.66	3.3491+00	6.2219-01	1.9489-03	6.2219-01	1.9489-03	1.3579-03	3.0903-02	3.9736+04	4.9494-04	8.6180+00
342	486.72	7.7065+00	1.4943+00	4.7416-03	1.4943+00	4.7416-03	3.3037-03	7.5184-02	9.6674+04	1.2050-03	7.1680+00
344	490.84	1.4478+01	2.8002+00	8.9135-03	2.8002+00	8.9135-03	6.2105-03	1.4134-01	1.8174+05	2.2657-03	8.1130+00
347	490.70	8.6623+00	1.6317+00	5.1936-03	1.6317+00	5.1936-03	3.6186-03	8.2352-02	1.0589+05	1.3201-03	7.1680+00
349	487.93	1.2145+01	2.3385+00	7.4275-03	2.3385+00	7.4275-03	5.1751-03	1.1777-01	1.5144+05	1.8877-03	8.1130+00
350	467.87	3.6436+00	6.3824-01	1.9965-03	6.3824-01	1.9965-03	1.3911-03	3.1658-02	4.0707+04	5.0699-04	8.6180+00
352	499.99	8.5408+00	1.5797+00	5.0639-03	1.5797+00	5.0639-03	3.5283-03	8.0296-02	1.0325+05	1.2877-03	7.1680+00
354	497.83	1.3628+01	2.6340+00	8.4298-03	2.6340+00	8.4298-03	5.8735-03	1.3367-01	1.7187+05	2.1434-03	8.1130+00
357	499.60	6.9616+00	1.2838+00	4.1141-03	1.2838+00	4.1141-03	2.8665-03	6.5235-02	8.3881+04	1.0461-03	7.1680+00
359	498.95	1.2040+01	2.1768+00	6.9724-03	2.1768+00	6.9724-03	4.8580-03	1.1056-01	1.4216+05	1.7729-03	8.1130+00
401	447.58	2.1948+00	1.8103-01	5.5778-04	1.8103-01	5.5778-04	3.8864-04	8.8445-03	1.1372+04	1.4152-04	4.5500-01
403	449.77	2.5351+00	2.0693-01	6.3862-04	2.0693-01	6.3862-04	4.4496-04	1.0126-02	1.3021+04	1.6205-04	6.8600-01
404	45.78	-8.0555+01	-4.0222+00	-9.1112-03	-4.0222+00	-9.1112-03	-6.3483-03	-1.4447-01	-1.8577+05	-2.2692-03	8.0100-01
405	456.61	4.5060+00	3.6953-01	1.1463-03	3.6953-01	1.1463-03	7.9865-04	1.8176-02	2.3371+04	2.9094-04	1.0510+00
406	459.26	5.8171+00	4.8078-01	1.4943-03	4.8078-01	1.4943-03	1.0412-03	2.3694-02	3.0467+04	3.7932-04	1.1670+00
407	463.46	7.0010+00	5.9063-01	1.8415-03	5.9063-01	1.8415-03	1.2831-03	2.9200-02	3.7546+04	4.6753-04	1.2830+00
408	450.84	3.2073+00	2.5886-01	7.9951-04	2.5886-01	7.9951-04	5.5706-04	1.2677-02	1.6301+04	2.0288-04	5.1306-01
409	449.74	3.8603+00	3.1698-01	9.7824-04	3.1698-01	9.7824-04	6.8159-04	1.5511-02	1.9945+04	2.4822-04	5.7000-01
410	452.49	3.2483+00	2.5769-01	7.9689-04	2.5769-01	7.9689-04	5.5523-04	1.2636-02	1.6248+04	2.0223-04	6.2800-01
411	455.06	4.2234+00	3.4806-01	1.0784-03	3.4806-01	1.0784-03	7.5139-04	1.7100-02	2.1987+04	2.7370-04	6.8600-01
412	463.15	3.6623+00	3.0168-01	9.4035-04	3.0168-01	9.4035-04	6.5519-04	1.4911-02	1.9173+04	2.3874-04	7.4400-01
413	455.34	4.3294+00	3.5899-01	1.1125-03	3.5899-01	1.1125-03	7.7513-04	1.7640-02	2.2682+04	2.8235-04	8.0100-01
414	455.72	4.0795+00	3.3435-01	1.0364-03	3.3435-01	1.0364-03	7.2214-04	1.6434-02	2.1132+04	2.6306-04	8.5900-01
415	459.36	4.5803+00	3.7858-01	1.1767-03	3.7858-01	1.1767-03	8.1989-04	1.8659-02	2.3992+04	2.9871-04	9.1700-01
416	455.11	3.7216+00	2.8481-01	8.8246-04	2.8481-01	8.8246-04	6.1486-04	1.3993-02	1.7992+04	2.2397-04	5.7000-01
417	461.28	5.2338+00	4.3058-01	1.3403-03	4.3058-01	1.3403-03	9.3384-04	2.1252-02	2.7326+04	3.4025-04	1.0520+00

[redacted]

24 1 11.98 -.02 .00 -.00 402 11 1.90 10.09 456.9 1728.8

8.41093+01 9.76775-03 6.96554-01 4.53575+03 9.74344-06 6.81285-08 5.44209-02 7.72000+00 7.04038-06 7.47051-02

1	440.90	1.1569+00	1.9221-01	5.8803-04	1.9221-01	5.8803-04	4.1355-04	9.3803-03	1.1970+04	1.4924-04	4.1100-01
2	429.42	2.2036+00	3.6320-01	1.1018-03	3.6320-01	1.1018-03	7.7492-04	1.7577-02	2.2430+04	2.7952-04	7.1100-01
3	432.67	6.1558+00	1.0169+00	3.0924-03	1.0169+00	3.0924-03	2.1748-03	4.9330-02	6.2949+04	7.8459-04	1.3070+00
4	446.80	1.6112+01	2.6879+00	8.2589-03	2.6879+00	8.2589-03	5.8084-03	1.3175-01	1.6812+05	2.0967-03	1.6410+00
5	464.40	2.2363+01	3.9522+00	1.2303-02	3.9522+00	1.2303-02	8.6527-03	1.9626-01	2.5045+05	3.1257-03	1.7720+00
6	494.45	6.2327+00	1.0577+00	3.3684-03	1.0577+00	3.3684-03	2.3689-03	5.3733-02	6.8568+04	8.5686-04	2.4660+00
7	466.53	3.8145+00	6.3363-01	1.9757-03	6.3363-01	1.9757-03	1.3895-03	3.1516-02	4.0217+04	5.0198-04	3.0090+00
8	450.98	3.3283+00	5.4218-01	1.6711-03	5.4218-01	1.6711-03	1.1752-03	2.6657-02	3.4017+04	4.2430-04	3.3930+00
9	444.99	2.8634+00	4.6453-01	1.4254-03	4.6453-01	1.4254-03	1.0025-03	2.2738-02	2.9016+04	3.6184-04	3.7770+00
10	464.08	1.4249+00	2.3490-01	7.3108-04	2.3490-01	7.3108-04	5.1416-04	1.1662-02	1.4882+04	1.8573-04	5.3230+00
14	424.12	3.6358+00	5.9702-01	1.8042-03	5.9702-01	1.8042-03	1.2689-03	2.8781-02	3.6727+04	4.5760-04	1.0880+00
15	422.26	6.6312+00	1.0874+00	3.2818-03	1.0874+00	3.2818-03	2.3081-03	5.2352-02	6.6806+04	8.3230-04	1.3070+00
16	436.44	1.9993+01	3.3114+00	1.0097-02	3.3114+00	1.0097-02	7.1014-03	1.6108-01	2.0555+05	2.5623-03	1.6410+00
19	447.90	1.1029+00	1.6743-01	5.1487-04	1.6743-01	5.1487-04	3.6210-04	8.2134-03	1.0481+04	1.3072-04	4.1100-01
20	440.82	2.1257+00	3.3664-01	1.0298-03	3.3664-01	1.0298-03	7.2425-04	1.6428-02	2.0963+04	2.6137-04	7.1100-01
21	425.05	3.9813+00	6.3313-01	1.9146-03	6.3313-01	1.9146-03	1.3465-03	3.0543-02	3.8975+04	4.8563-04	1.0880+00
22	420.02	6.7553+00	1.0769+00	3.2448-03	1.0769+00	3.2448-03	2.2821-03	5.1762-02	6.6053+04	8.2284-04	1.3070+00
23	533.96	-5.1948-04	-8.7964-05	-2.8890-07	-8.7964-05	-2.8890-07	-2.0318-07	-4.6086-06	-5.8810+00	-7.3620-08	1.6410+00
24	459.92	3.3106+00	5.4260-01	1.6835-03	5.4260-01	1.6835-03	1.1840-03	2.6855-02	3.4270+04	4.2762-04	3.0090+00
25	450.13	2.7984+00	4.4466-01	1.3696-03	4.4466-01	1.3696-03	9.6323-04	2.1848-02	2.7880+04	3.4775-04	3.3930+00
26	446.06	2.5190+00	4.0159-01	1.2332-03	4.0159-01	1.2332-03	8.6732-04	1.9673-02	2.5104+04	3.1307-04	3.7770+00
27	439.97	1.8281+00	2.8933-01	8.8452-04	2.8933-01	8.8452-04	6.2207-04	1.4110-02	1.8006+04	2.2449-04	7.1100-01
28	427.45	3.9725+00	6.3280-01	1.9170-03	6.3280-01	1.9170-03	1.3482-03	3.0580-02	3.9023+04	4.8627-04	1.0880+00
29	424.03	5.9361+00	9.5756-01	2.8936-03	9.5756-01	2.8936-03	2.0350-03	4.6159-02	5.8903+04	7.3389-04	1.3070+00
30	440.98	2.1683+01	3.5501+00	1.0861-02	3.5501+00	1.0861-02	7.6387-03	1.7326-01	2.2110+05	2.7567-03	1.6410+00
31	458.66	2.4890+01	4.1860+00	1.2975-02	4.1860+00	1.2975-02	9.1255-03	2.0699-01	2.6413+05	3.2957-03	1.7720+00
32	492.39	6.8104+00	1.1541+00	3.6698-03	1.1541+00	3.6698-03	2.5810-03	5.8542-02	7.4705+04	9.3347-04	2.4660+00
33	458.54	3.8078+00	6.3286-01	1.9615-03	6.3286-01	1.9615-03	1.3795-03	3.1290-02	3.9929+04	4.9821-04	3.0090+00
34	444.04	3.3855+00	5.4887-01	1.6830-03	5.4887-01	1.6830-03	1.1836-03	2.6848-02	3.4260+04	4.2722-04	3.3930+00
35	439.63	3.0057+00	4.6539-01	1.4224-03	4.6539-01	1.4224-03	1.0004-03	2.2691-02	2.8956+04	3.6100-04	3.7770+00
36	427.58	5.4145+00	8.6520-01	2.6212-03	8.6520-01	2.6212-03	1.8435-03	4.1814-02	5.3359+04	6.6491-04	1.3070+00
37	491.44	6.1075+00	1.0467+00	3.3257-03	1.0467+00	3.3257-03	2.3389-03	5.3052-02	6.7699+04	8.4590-04	2.4660+00
38	456.63	4.3558+00	7.1231-01	2.2046-03	7.1231-01	2.2046-03	1.5505-03	3.5168-02	4.4878+04	5.5992-04	3.0090+00
39	440.84	4.0504+00	6.5129-01	1.9924-03	6.5129-01	1.9924-03	1.4012-03	3.1783-02	4.0557+04	5.0567-04	3.3930+00
40	437.93	3.2468+00	5.1629-01	1.5760-03	5.1629-01	1.5760-03	1.1084-03	2.5141-02	3.2082+04	3.9995-04	3.7770+00
41	443.60	2.6073+00	4.0735-01	1.2487-03	4.0735-01	1.2487-03	8.7817-04	1.9919-02	2.5418+04	3.1696-04	4.1620+00
43	459.08	1.5829+00	2.6317-01	8.1600-04	2.6317-01	8.1600-04	5.7388-04	1.3017-02	1.6611+04	2.0726-04	5.3230+00
47	439.88	1.9652+00	3.1368-01	9.5952-04	3.1388-01	9.5952-04	6.7482-04	1.5306-02	1.9532+04	2.4352-04	7.1100-01
48	432.02	3.3527+00	5.4227-01	1.6482-03	5.4227-01	1.6482-03	1.1592-03	2.6292-02	3.3552+04	4.1817-04	1.0880+00
49	429.86	6.7065+00	1.0895+00	3.3064-03	1.0895+00	3.3064-03	2.3253-03	5.2744-02	6.7306+04	8.3878-04	1.3070+00
50	449.68	2.0337+01	3.3696+00	1.0375-02	3.3696+00	1.0375-02	7.2968-03	1.6551-01	2.1120+05	2.6343-03	1.6410+00
51	465.89	2.5886+01	4.3748+00	1.3634-02	4.3748+00	1.3634-02	9.5887-03	2.1749-01	2.7754+05	3.4641-03	1.7720+00
52	478.69	2.3481+00	4.0022-01	1.2594-03	4.0022-01	1.2594-03	8.8570-04	2.0090-02	2.5636+04	3.2015-04	2.4660+00
53	451.05	3.2119+00	5.2326-01	1.6128-03	5.2326-01	1.6128-03	1.1343-03	2.5728-02	3.2831+04	4.0951-04	3.0090+00
54	439.62	2.8904+00	4.6156-01	1.4107-03	4.6156-01	1.4107-03	9.9213-04	2.2504-02	2.8717+04	3.5803-04	3.3930+00
55	439.60	2.5299+00	3.9662-01	1.2122-03	3.9662-01	1.2122-03	8.5253-04	1.9337-02	2.4676+04	3.0765-04	3.7770+00
56	448.24	1.1740+00	1.8000-01	5.5365-04	1.8000-01	5.5365-04	3.8938-04	8.8319-03	1.1270+04	1.4056-04	4.1100-01
57	440.18	1.9226+00	3.0527-01	9.3340-04	3.0527-01	9.3340-04	6.5645-04	1.4890-02	1.9001+04	2.3690-04	7.1100-01
58	431.87	3.4400+00	5.5633-01	1.6907-03	5.5633-01	1.6907-03	1.1891-03	2.6971-02	3.4418+04	4.2896-04	1.0880+00
59	431.74	5.8468+00	9.4829-01	2.8817-03	9.4829-01	2.8817-03	2.0267-03	4.5969-02	5.8661+04	7.3111-04	1.3070+00
60	451.09	2.2629+01	3.7308+00	1.1500-02	3.7308+00	1.1500-02	8.0875-03	1.8344-01	2.3409+05	2.9199-03	1.6410+00
61	444.78	1.8712+00	3.0261-01	9.2840-04	3.0261-01	9.2840-04	6.5294-04	1.4810-02	1.8899+04	2.3567-04	3.0090+00
62	435.14	1.7439+00	2.7761-01	8.4572-04	2.7761-01	8.4572-04	5.9478-04	1.3491-02	1.7216+04	2.1460-04	3.3930+00
63	439.11	1.5792+00	2.4750-01	7.5617-04	2.4750-01	7.5617-04	5.3180-04	1.2063-02	1.5393+04	1.9191-04	3.7770+00
64	428.23	3.8462+00	6.3340-01	1.9199-03	6.3340-01	1.9199-03	1.3502-03	3.0626-02	3.9082+04	4.8702-04	1.0880+00
65	429.93	6.0603+00	9.9920-01	3.0324-03	9.9920-01	3.0324-03	2.1326-03	4.8373-02	6.1729+04	7.6928-04	1.3070+00
66	449.41	2.2977+01	3.8399+00	1.1821-02	3.8399+00	1.1821-02	8.3138-03	1.8858-01	2.4064+05	3.0014-03	1.6410+00
69	440.92	1.1823+00	1.9644-01	6.0098-04	1.9644-01	6.0098-04	4.2266-04	9.5870-03	1.2234+04	1.5253-04	4.1100-01
70	432.12	2.3558+00	3.8903-01	1.1825-03	3.8903-01	1.1825-03	8.3165-04	1.8864-02	2.4072+04	3.0002-04	7.1100-01
71	441.40	6.0187+00	9.9741-01	3.0525-03	9.9741-01	3.0525-03	2.1468-03	4.8693-02	6.2137+04	7.7475-04	1.3070+00
72	453.33	2.2461+01	3.7639+00	1.1621-02	3.7639+00	1.1621-02	8.1728-03	1.8538-01	2.3656+05	2.9510-03	1.6410+00
73	451.80	2.5138+00	4.0480-01	1.2484-03	4.0480-01	1.2484-03	8.7798-04	1.9915-02	2.5413+04	3.1700-04	3.7770+00
74	469.01	1.6930+00	2.8001-01	8.7470-04	2.8001-01	8.7470-04	6.1517-04	1.3953-02	1.7806+04	2.2227-04	5.3230+00
77	453.97	3.1538+00	5.2408-01	1.6188-03	5.2408-01	1.6188-03	1.1385-03	2.5824-02	3.2954+04	4.1110-04	3.0090+00
78	444.82	2.5995+00	4.2420-01	1.3015-03	4.2420-01	1.3015-03	9.1532-04	2.0762-02	2.6494+04	3.3038-04	3.3930+00
79	444.75	2.2758+00	3.6472-01	1.1189-03	3.6472-01	1.1189-03	7.8694-04	1.7850-02	2.2778+04	2.8404-04	3.7770+00
80	493.90	6.3694+00	1.0997+00	3.5007-03	1.0997+00	3.5007-03	2.4620-03	5.5844-02	7.1262+04	8.9051-04	2.4660+00
81	462.26	3.5429+00	5.9205-01	1.8401-03	5.9205-01	1.8401-03	1.2941-03	2.9354-02	3.7458+04	4.6745-04	3.0090+00
82	448.46	3.1745+00	5.2089-01	1.6024-03	5.2089-01	1.6024-03	1.1270-03	2.5563-02	3.2620+04	4.0684-04	3.3930+00
83	444.50	2.7008+00	4.3801-01	1.3435-03	4.3801-01	1.3435-03	9.4489-04	2.1432-02	2.7349+04	3.4105-04	3.7770+00
337	531.41	1.0384+01	2.0071+00	6.5787-03	2.0071+00	6.5787-03	4.6267-03	1.0495-01	1.3392+05	1.6762-03	7.1680+00
339	533.08	1.0082+01	1.9923+00	6.5388-03	1.9923+00	6.5388-03	4.5987-03	1.0431-01	1.3311+05	1.6662-03	8.1130+00
340	489.35	3.4286+00	6.4528-01	2.0470-03	6.4528-01	2.0470-03	1.4397-03	3.2655-02	4.1670+04	5.2062-04	8.6180+00
342	528.23	6.8426+00	1.3623+00	4.4539-03	1.3623+00	4.4539-03	3.1324-03	7.1049-02	9.0666+04	1.1347-03	7.1680+00
344	522.16	1.3222+01	2.6089+00	8.4891-03	2.6089+00	8.4891-03	5.9703-03	1.3542-01	1.7281+05	2.1621-03	8.1130+00
347	503.91	9.2145+00	1.7506+00	5.6159-03	1.7506+00	5.6159-03	3.9496-03	8.9586-02	1.1432+05	1.4292-03	7.1680+00
349	495.96	1.1997+01	2.3220+00	7.4035-03	2.3220+00	7.4035-03	5.2068-03	1.1810-01	1.5071+05	1.8835-03	8.1130+00
350	470.22	3.7335+00	6.5501-01	2.0480-03	6.5501-01	2.0480-03	1.4403-03	3.2670-02	4.1690+04	5.2043-04	8.6180+00
352	492.83	1.2268+01	2.2586+00	7.1841-03	2.2586+00	7.1841-03	5.0525-03	1.1460-01	1.4624+05	1.8274-03	7.1680+00
354	487.71	1.6215+01	3.1134+00	9.8644-03	3.1134+00	9.8644-03	6.9375-03	1.5736-01	2.0080+05	2.5086-03	8.1130+00
357	499.11	1.2185+01	2.2464+00	7.1797-03	2.2464+00	7.1797-03	5.0494-03	1.1453-01	1.4615+05	1.8268-03	7.1680+00
359	493.11	1.6071+01	2.8945+00	9.2088-03	2.8945+00	9.2088-03	6.4765-03	1.4690-01	1.8746+05	2.3425-03	8.1130+00
401	449.45	2.1574+00	1.7817-01	5.4853-04	1.7817-01	5.4853-04	3.8577-04	8.7502-03	1.1166+04	1.3927-04	4.5500-01
403	451.59	1.8774+00	1.5344-01	4.7313-04	1.5344-01	4.7313-04	3.3274-04	7.5474-03	9.6312+03	1.2014-04	6.8600-01
404	65.18	-6.6483+01	-3.8484+00	-9.2473-03	-3.8484+00	-9.2473-03	-6.5035-03	-1.4752-01	-1.8824+05	-2.3132-03	8.0100-01
405	454.44	4.1138+00	3.3687-01	1.0409-03	3.3687-01	1.0409-03	7.3208-04	1.6605-02	2.1190+04	2.6435-04	1.0510+00
406	455.59	6.4888+00	5.3496-01	1.6544-03	5.3496-01	1.6544-03	1.1636-03	2.6392-02	3.3679+04	4.2017-04	1.1670+00
407	457.71	7.7371+00	6.5020-01	2.0140-03	6.5020-01	2.0140-03	1.4164-03	3.2128-02	4.0998+04	5.1153-04	1.2830+00
408	450.65	3.4831+00	2.8108-01	8.6611-04	2.8108-01	8.6611-04	6.0912-04	1.3816-02	1.7631+04	2.1991-04	5.1300-01
409	448.87	4.2047+00	3.4506-01	1.0618-03	3.4506-01	1.0618-03	7.4679-04	1.6939-02	2.1615+04	2.6959-04	5.7000-01
410	451.96	3.3714+00	2.6736-01	8.2463-04	2.6736-01	8.2463-04	5.7945-04	1.3155-02	1.6787+04	2.0939-04	6.2800-01
411	453.52	4.3668+00	3.5950-01	1.1101-03	3.5950-01	1.1101-03	7.8072-04	1.7709-02	2.2598+04	2.8190-04	6.8600-01
412	459.80	3.2452+00	2.6671-01	8.2743-04	2.6671-01	8.2743-04	5.8192-04	1.3199-02	1.6844+04	2.1017-04	7.4400-01
413	453.60	4.6561+00	3.8563-01	1.1908-03	3.8563-01	1.1908-03	8.3751-04	1.8997-02	2.4241+04	3.0241-04	8.0100-01
414	453.93	4.3060+00	3.5249-01	1.0888-03	3.5249-01	1.0888-03	7.6572-04	1.7368-02	2.2163+04	2.7649-04	8.5900-01
415	457.20	5.0296+00	4.1511-01	1.2853-03	4.1511-01	1.2853-03	9.0395-04	2.0504-02	2.6165+04	3.2645-04	9.1700-01
416	453.44	3.8457+00	2.9398-01	9.0771-04	2.9398-01	9.0771-04	6.3838-04	1.4480-02	1.8478+04	2.3050-04	5.7000-01
417	457.08	6.1470+00	5.0427-01	1.5613-03	5.0427-01	1.5613-03	1.0980-03	2.4906-02	3.1782+04	3.9653-04	1.0520+00

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8.40913+01 9.76806-03 6.96576-01 4.53526+03 9.74584-06 6.81139-08 5.44400-02 7.72000+00 7.03867-06 7.47072-02

1	441.11	1.0535+00	1.7506-01	5.3564-04	1.7506-01	5.3564-04	3.7666-04	8.5447-03	1.0906+04	1.3599-04	4.1100-01
2	429.89	2.0145+00	3.3215-01	1.0080-03	3.3215-01	1.0080-03	7.0880-04	1.6079-02	2.0524+04	2.5578-04	7.1100-01
3	433.53	4.4395+00	7.3383-01	2.2329-03	7.3383-01	2.2329-03	1.5702-03	3.5620-02	4.5465+04	5.6670-04	1.3070+00
4	450.19	1.3973+01	2.3365+00	7.1970-03	2.3365+00	7.1970-03	5.0609-03	1.1481-01	1.4654+05	1.8278-03	1.6410+00
5	469.80	2.0828+01	3.6943+00	1.1547-02	3.6943+00	1.1547-02	8.1199-03	1.8420-01	2.3512+05	2.9351-03	1.7720+00
6	496.08	6.5522+00	1.1130+00	3.5492-03	1.1130+00	3.5492-03	2.4958-03	5.6617-02	7.2266+04	9.0317-04	2.4660+00
7	467.49	3.8545+00	6.4069-01	1.9991-03	6.4069-01	1.9991-03	1.4057-03	3.1890-02	4.0704+04	5.0809-04	3.0090+00
8	451.75	3.0842+00	5.0268-01	1.5502-03	5.0268-01	1.5502-03	1.0901-03	2.4729-02	3.1564+04	3.9373-04	3.3930+00
9	445.71	2.8197+00	4.5768-01	1.4051-03	4.5768-01	1.4051-03	9.8808-04	2.2415-02	2.8610+04	3.5680-04	3.7770+00
10	464.41	1.5413+00	2.5414-01	7.9115-04	2.5414-01	7.9115-04	5.5633-04	1.2621-02	1.6109+04	2.0105-04	5.3230+00
14	424.85	3.2031+00	5.2623-01	1.5911-03	5.2623-01	1.5911-03	1.1189-03	2.5382-02	3.2398+04	4.0367-04	1.0880+00
15	423.34	5.2000+00	8.5338-01	2.5775-03	8.5338-01	2.5775-03	1.8125-03	4.1117-02	5.2481+04	6.5387-04	1.3070+00
16	441.00	1.8593+01	3.0894+00	9.4521-03	3.0894+00	9.4521-03	6.6466-03	1.5078-01	1.9246+05	2.3996-03	1.6410+00
19	448.19	1.0681+00	1.6218-01	4.9883-04	1.6218-01	4.9883-04	3.5077-04	7.9574-03	1.0157+04	1.2668-04	4.1100-01
20	441.26	1.9584+00	3.1024-01	9.4937-04	3.1024-01	9.4937-04	6.6759-04	1.5144-02	1.9330+04	2.4102-04	7.1100-01
21	425.81	3.3574+00	5.3420-01	1.6164-03	5.3420-01	1.6164-03	1.1366-03	2.5784-02	3.2911+04	4.1009-04	1.0880+00
22	421.14	5.3366+00	8.5143-01	2.5675-03	8.5143-01	2.5675-03	1.8054-03	4.0957-02	5.2278+04	6.5128-04	1.3070+00
23	533.95	3.8443-02	6.5095-03	2.1379-05	6.5095-03	2.1379-05	1.5034-05	3.4105-04	4.3531+02	5.4496-06	1.6410+00
24	460.76	3.3506+00	5.4947-01	1.7059-03	5.4947-01	1.7059-03	1.1995-03	2.7212-02	3.4734+04	4.3343-04	3.0090+00
25	450.85	2.7475+00	4.3678-01	1.3461-03	4.3678-01	1.3461-03	9.4654-04	2.1473-02	2.7408+04	3.4187-04	3.3930+00
26	446.67	2.4701+00	3.9397-01	1.2104-03	3.9397-01	1.2104-03	8.5113-04	1.9308-02	2.4645+04	3.0736-04	3.7770+00
27	440.34	1.6286+00	2.5762-01	7.8842-04	2.5762-01	7.8842-04	5.5441-04	1.2577-02	1.6053+04	2.0015-04	7.1100-01
28	428.23	3.4940+00	5.5689-01	1.6880-03	5.5689-01	1.6880-03	1.1870-03	2.6927-02	3.4370+04	4.2831-04	1.0880+00
29	425.46	5.7792+00	9.3320-01	2.8229-03	9.3320-01	2.8229-03	1.9850-03	4.5031-02	5.7478+04	7.1619-04	1.3070+00
30	446.07	2.0527+01	3.3726+00	1.0357-02	3.3726+00	1.0357-02	7.2830-03	1.6522-01	2.1088+05	2.6300-03	1.6410+00
31	465.02	2.4841+01	4.1957+00	1.3067-02	4.1957+00	1.3067-02	9.1888-03	2.0845-01	2.6607+05	3.3208-03	1.7720+00
32	494.15	7.1268+00	1.2091+00	3.8499-03	1.2091+00	3.8499-03	2.7072-03	6.1414-02	7.8389+04	9.7962-04	2.4660+00
33	459.49	3.7351+00	6.2117-01	1.9266-03	6.2117-01	1.9266-03	1.3548-03	3.0734-02	3.9229+04	4.8950-04	3.0090+00
34	444.89	3.4358+00	5.5737-01	1.7101-03	5.5737-01	1.7101-03	1.2026-03	2.7281-02	3.4821+04	4.3423-04	3.3930+00
35	440.41	3.0514+00	4.7273-01	1.4457-03	4.7273-01	1.4457-03	1.0166-03	2.3062-02	2.9436+04	3.6701-04	3.7770+00
36	428.92	5.3699+00	8.5887-01	2.6046-03	8.5887-01	2.6046-03	1.8315-03	4.1549-02	5.3033+04	6.6090-04	1.3070+00
37	493.00	6.3527+00	1.0898+00	3.4668-03	1.0898+00	3.4668-03	2.4378-03	5.5304-02	7.0590+04	8.8210-04	2.4660+00
38	457.70	4.4135+00	7.2227-01	2.2372-03	7.2227-01	2.2372-03	1.5732-03	3.5689-02	4.5553+04	5.6838-04	3.0090+00
39	441.88	4.1013+00	6.5965-01	2.0204-03	6.5965-01	2.0204-03	1.4207-03	3.2230-02	4.1138+04	5.1295-04	3.3930+00
40	438.71	3.1694+00	5.0425-01	1.5402-03	5.0425-01	1.5402-03	1.0830-03	2.4569-02	3.1360+04	3.9097-04	3.7770+00
41	444.25	2.6442+00	4.1330-01	1.2675-03	4.1330-01	1.2675-03	8.9130-04	2.0220-02	2.5808+04	3.2183-04	4.1620+00
43	459.49	1.6374+00	2.7231-01	8.4461-04	2.7231-01	8.4461-04	5.9392-04	1.3473-02	1.7197+04	2.1459-04	5.3230+00
47	440.36	1.9205+00	3.0684-01	9.3834-04	3.0684-01	9.3834-04	6.5983-04	1.4969-02	1.9106+04	2.3821-04	7.1100-01
48	432.88	3.3460+00	5.4151-01	1.6469-03	5.4151-01	1.6469-03	1.1581-03	2.6272-02	3.3533+04	4.1797-04	1.0880+00
49	431.10	5.6764+00	9.2299-01	2.8035-03	9.2299-01	2.8035-03	1.9714-03	4.4722-02	5.7083+04	7.1144-04	1.3070+00
50	454.84	2.0815+01	3.4610+00	1.0698-02	3.4610+00	1.0698-02	7.5225-03	1.7065-01	2.1782+05	2.7175-03	1.6410+00
51	472.39	2.5695+01	4.3614+00	1.3659-02	4.3614+00	1.3659-02	9.6049-03	2.1789-01	2.7812+05	3.4723-03	1.7720+00
52	479.25	2.2847+00	3.8956-01	1.2264-03	3.8956-01	1.2264-03	8.6237-04	1.9563-02	2.4970+04	3.1185-04	2.4660+00
53	451.81	3.0582+00	4.9846-01	1.5373-03	4.9846-01	1.5373-03	1.0810-03	2.4522-02	3.1301+04	3.9045-04	3.0090+00
54	440.33	2.8239+00	4.5117-01	1.3797-03	4.5117-01	1.3797-03	9.7016-04	2.2008-02	2.8092+04	3.5025-04	3.3930+00
55	440.20	2.4790+00	3.8880-01	1.1888-03	3.8880-01	1.1888-03	8.3598-04	1.8964-02	2.4206+04	3.0180-04	3.7770+00
56	448.51	9.4077-01	1.4426-01	4.4382-04	1.4426-01	4.4382-04	3.1209-04	7.0799-03	9.0368+03	1.1271-04	4.1100-01
57	440.67	2.0634+00	3.2773-01	1.0025-03	3.2773-01	1.0025-03	7.0492-04	1.5991-02	2.0411+04	2.5449-04	7.1100-01
58	432.73	3.4343+00	5.5574-01	1.6900-03	5.5574-01	1.6900-03	1.1884-03	2.6960-02	3.4411+04	4.2890-04	1.0880+00
59	433.18	5.8213+00	9.4512-01	2.8751-03	9.4512-01	2.8751-03	2.0217-03	4.5864-02	5.8541+04	7.2967-04	1.3070+00
60	456.79	2.3069+01	3.8181+00	1.1819-02	3.8181+00	1.1819-02	8.3108-03	1.8853-01	2.4065+05	3.0025-03	1.6410+00
61	445.21	1.8286+00	2.9581-01	9.0783-04	2.9581-01	9.0783-04	6.3838-04	1.4482-02	1.8485+04	2.3052-04	3.0090+00
62	435.54	1.7107+00	2.7240-01	8.3007-04	2.7240-01	8.3007-04	5.8370-04	1.3241-02	1.6901+04	2.1069-04	3.3930+00
63	439.47	1.5132+00	2.3722-01	7.2495-04	2.3722-01	7.2495-04	5.0978-04	1.1565-02	1.4761+04	1.8403-04	3.7770+00
64	429.15	3.7652+00	6.2046-01	1.8819-03	6.2046-01	1.8819-03	1.3233-03	3.0021-02	3.8318+04	4.7753-04	1.0880+00
65	431.32	5.8364+00	9.6323-01	2.9262-03	9.6323-01	2.9262-03	2.0577-03	4.6679-02	5.9581+04	7.4258-04	1.3070+00
66	455.19	2.3257+01	3.9021+00	1.2064-02	3.9021+00	1.2064-02	8.4836-03	1.9245-01	2.4565+05	3.0647-03	1.6410+00
69	441.23	1.2442+00	2.0676-01	6.3268-04	2.0676-01	6.3268-04	4.4490-04	1.0093-02	1.2882+04	1.6062-04	4.1100-01
70	432.67	2.2442+00	3.7073-01	1.1273-03	3.7073-01	1.1273-03	7.9273-04	1.7984-02	2.2954+04	2.8610-04	7.1100-01
71	442.74	5.5844+00	9.2630-01	2.8376-03	9.2630-01	2.8376-03	1.9954-03	4.5266-02	5.7778+04	7.2045-04	1.3070+00
72	459.03	2.3051+01	3.8777+00	1.2023-02	3.8777+00	1.2023-02	8.4546-03	1.9180-01	2.4481+05	3.0547-03	1.6410+00
73	452.36	2.4265+00	3.9090-01	1.2060-03	3.9090-01	1.2060-03	8.4806-04	1.9239-02	2.4556+04	3.0632-04	3.7770+00
74	469.35	1.3922+00	2.3032-01	7.1964-04	2.3032-01	7.1964-04	5.0605-04	1.1480-02	1.4653+04	1.8292-04	5.3230+00
77	454.75	3.0961+00	5.1477-01	1.5910-03	5.1477-01	1.5910-03	1.1188-03	2.5380-02	3.2395+04	4.0415-04	3.0090+00
78	445.46	2.5174+00	4.1099-01	1.2615-03	4.1099-01	1.2615-03	8.8711-04	2.0124-02	2.5687+04	3.2033-04	3.3930+00
79	445.33	2.2592+00	3.6220-01	1.1117-03	3.6220-01	1.1117-03	7.8173-04	1.7734-02	2.2636+04	2.8228-04	3.7770+00
80	495.50	6.5475+00	1.1316+00	3.6069-03	1.1316+00	3.6069-03	2.5363-03	5.7537-02	7.3441+04	9.1783-04	2.4660+00
81	463.11	3.4177+00	5.7146-01	1.7773-03	5.7146-01	1.7773-03	1.2498-03	2.8351-02	3.6188+04	4.5162-04	3.0090+00
82	449.22	3.1216+00	5.1247-01	1.5774-03	5.1247-01	1.5774-03	1.1092-03	2.5163-02	3.2118+04	4.0060-04	3.3930+00
83	445.17	2.6603+00	4.3163-01	1.3246-03	4.3163-01	1.3246-03	9.3147-04	2.1131-02	2.6971+04	3.3635-04	3.7770+00
337	534.14	1.0763+01	2.0838+00	6.8449-03	2.0838+00	6.8449-03	4.8133-03	1.0919-01	1.3937+05	1.7448-03	7.1680+00
339	535.72	1.0601+01	2.0983+00	6.9010-03	2.0983+00	6.9010-03	4.8527-03	1.1009-01	1.4051+05	1.7592-03	8.1130+00
340	490.19	3.3106+00	6.2343-01	1.9790-03	6.2343-01	1.9790-03	1.3916-03	3.1569-02	4.0295+04	5.0347-04	8.6180+00
342	529.98	6.8592+00	1.3670+00	4.4757-03	1.3670+00	4.4757-03	3.1473-03	7.1397-02	9.1131+04	1.1406-03	7.1680+00
344	525.55	1.3549+01	2.6790+00	8.7406-03	2.6790+00	8.7406-03	6.1463-03	1.3943-01	1.7797+05	2.2271-03	8.1130+00
347	505.94	8.4161+00	1.6010+00	5.1440-03	1.6010+00	5.1440-03	3.6172-03	8.2058-02	1.0474+05	1.3096-03	7.1680+00
349	498.83	1.1758+01	2.2801+00	7.2859-03	2.2801+00	7.2859-03	5.1234-03	1.1623-01	1.4835+05	1.8543-03	8.1130+00
350	471.13	3.6738+00	6.4492-01	2.0178-03	6.4492-01	2.0178-03	1.4189-03	3.2188-02	4.1085+04	5.1293-04	8.6180+00
352	494.76	8.6457+00	1.5937+00	5.0767-03	1.5937+00	5.0767-03	3.5699-03	8.0985-02	1.0337+05	1.2918-03	7.1680+00
354	491.41	1.4287+01	2.7499+00	8.7372-03	2.7499+00	8.7372-03	6.1439-03	1.3938-01	1.7790+05	2.2229-03	8.1130+00
357	500.71	7.1792+00	1.3248+00	4.2396-03	1.3248+00	4.2396-03	2.9812-03	6.7630-02	8.6323+04	1.0791-03	7.1680+00
359	496.73	1.3381+01	2.4158+00	7.7071-03	2.4158+00	7.7071-03	5.4196-03	1.2295-01	1.5693+05	1.9613-03	8.1130+00
401	449.97	2.1548+00	1.7802-01	5.4827-04	1.7802-01	5.4827-04	3.8554-04	8.7461-03	1.1164+04	1.3924-04	4.5500-01
403	452.02	1.9330+00	1.5803-01	4.8743-04	1.5803-01	4.8743-04	3.4276-04	7.7756-03	9.9248+03	1.2380-04	6.8600-01
404	34.50	-1.0878+02	-6.0623+00	-1.4319-02	-6.0623+00	-1.4319-02	-1.0069-02	-2.2842-01	-2.9156+05	-3.5788-03	8.0100-01
405	455.53	4.2790+00	3.5066-01	1.0844-03	3.5066-01	1.0844-03	7.6255-04	1.7299-02	2.2080+04	2.7547-04	1.0510+00
406	457.15	6.1735+00	5.0950-01	1.5775-03	5.0950-01	1.5775-03	1.1093-03	2.5165-02	3.2121+04	4.0077-04	1.1670+00
407	459.47	7.2384+00	6.0902-01	1.8889-03	6.0902-01	1.8889-03	1.3283-03	3.0132-02	3.8461+04	4.7992-04	1.2830+00
408	451.43	3.1236+00	2.5221-01	7.7759-04	2.5221-01	7.7759-04	5.4679-04	1.2404-02	1.5833+04	1.9750-04	5.1300-01
409	449.89	4.1460+00	3.4048-01	1.0485-03	3.4048-01	1.0485-03	7.3733-04	1.6727-02	2.1350+04	2.6630-04	5.7000-01
410	452.76	3.4172+00	2.7114-01	8.3677-04	2.7114-01	8.3677-04	5.8841-04	1.3348-02	1.7038+04	2.1254-04	6.2800-01
411	454.69	4.6358+00	3.8196-01	1.1805-03	3.8196-01	1.1805-03	8.3011-04	1.8831-02	2.4036+04	2.9987-04	6.8600-01
412	460.60	3.1538+00	2.5934-01	8.0504-04	2.5934-01	8.0504-04	5.6609-04	1.2842-02	1.6392+04	2.0455-04	7.4400-01
413	454.81	4.7455+00	3.9335-01	1.2158-03	3.9335-01	1.2158-03	8.5493-04	1.9394-02	2.4755+04	3.0884-04	8.0100-01
414	455.01	4.1709+00	3.4168-01	1.0562-03	3.4168-01	1.0562-03	7.4274-04	1.6849-02	2.1506+04	2.6831-04	8.5900-01
415	458.44	4.9013+00	4.0486-01	1.2548-03	4.0486-01	1.2548-03	8.8233-04	2.0016-02	2.5549+04	3.1878-04	9.1700-01
416	454.46	4.0457+00	3.0948-01	9.5630-04	3.0948-01	9.5630-04	6.7246-04	1.5255-02	1.9472+04	2.4292-04	5.7000-01
417	458.56	5.9860+00	4.9156-01	1.5236-03	4.9156-01	1.5236-03	1.0714-03	2.4304-02	3.1022+04	3.8708-04	1.0520+00

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8.41C03+01 9.76790-03 6.96565-01 4.53551+03 9.74464-06 6.81212-08 5.44304-02 7.72000+00 7.03953-06 7.47061-02

1	441.41	1.1470+00	1.9064-01	5.8335-04	1.9064-01	5.8335-04	4.1024-04	9.3057-03	1.1876+04	1.4810-04	4.1100-01
2	430.41	2.0052+00	3.3072-01	1.0039-03	3.3072-01	1.0039-03	7.0597-04	1.6014-02	2.0438+04	2.5475-04	7.1100-01
3	434.72	4.6551+00	7.7010-01	2.3450-03	7.7010-01	2.3450-03	1.6491-03	3.7407-02	4.7741+04	5.9518-04	1.3070+00
4	453.48	1.3594+01	2.2782+00	7.0335-03	2.2782+00	7.0335-03	4.9463-03	1.1220-01	1.4320+05	1.7866-03	1.6410+00
5	474.69	1.9739+01	3.5126+00	1.1018-02	3.5126+00	1.1018-02	7.7484-03	1.7576-01	2.2432+05	2.8013-03	1.7720+00
6	497.74	6.7112+00	1.1413+00	3.6433-03	1.1413+00	3.6433-03	2.5621-03	5.8118-02	7.4173+04	9.2720-04	2.4660+00
7	468.45	3.8919+00	6.4732-01	2.0210-03	6.4732-01	2.0210-03	1.4212-03	3.2239-02	4.1145+04	5.1368-04	3.0090+00
8	452.45	3.1242+00	5.0944-01	1.5716-03	5.0944-01	1.5716-03	1.1052-03	2.5071-02	3.1997+04	3.9919-04	3.3930+00
9	446.42	2.7745+00	4.5056-01	1.3838-03	4.5056-01	1.3838-03	9.7315-04	2.2075-02	2.8173+04	3.5140-04	3.7770+00
10	464.83	1.5709+00	2.5909-01	8.0670-04	2.5909-01	8.0670-04	5.6731-04	1.2869-02	1.6424+04	2.0501-04	5.3230+00
14	425.65	3.1932+00	5.2491-01	1.5878-03	5.2491-01	1.5878-03	1.1166-03	2.5329-02	3.2326+04	4.0285-04	1.6880+00
15	424.67	5.2203+00	8.5752-01	2.5921-03	8.5752-01	2.5921-03	1.8229-03	4.1350-02	5.2772+04	6.5762-04	1.3070+00
16	445.58	1.8091+01	3.0155+00	9.2556-03	3.0155+00	9.2556-03	6.5089-03	1.4765-01	1.8843+05	2.3503-03	1.6410+00
19	448.44	1.0571+00	1.6055-01	4.9383-04	1.6055-01	4.9383-04	3.4728-04	7.8777-03	1.0054+04	1.2541-04	4.1100-01
20	441.77	2.0405+00	3.2336-01	9.8973-04	3.2336-01	9.8973-04	6.9601-04	1.5788-02	2.0150+04	2.5128-04	7.1100-01
21	426.67	3.3860+00	5.3907-01	1.6319-03	5.3907-01	1.6319-03	1.1476-03	2.6032-02	3.3223+04	4.1405-04	1.0880+00
22	422.50	5.4094+00	8.6387-01	2.6072-03	8.6387-01	2.6072-03	1.8335-03	4.1591-02	5.3080+04	6.6140-04	1.3070+00
23	533.96	3.2729-02	5.5420-03	1.8199-05	5.5420-03	1.8199-05	1.2798-05	2.9031-04	3.7051+02	4.6389-06	1.6410+00
24	461.59	3.3683+00	5.5267-01	1.7166-03	5.5267-01	1.7166-03	1.2072-03	2.7384-02	3.4949+04	4.3619-04	3.0090+00
25	451.51	2.4867+00	3.9550-01	1.2193-03	3.9550-01	1.2193-03	8.5744-04	1.9450-02	2.4823+04	3.0968-04	3.3930+00
26	447.27	2.4738+00	3.9471-01	1.2130-03	3.9471-01	1.2130-03	8.5305-04	1.9351-02	2.4696+04	3.0804-04	3.7770+00
27	440.74	1.6000+00	2.5337-01	7.7492-04	2.5337-01	7.7492-04	5.4496-04	1.2362-02	1.5777+04	1.9673-04	7.1100-01
28	429.12	3.5039+00	5.5862-01	1.6947-03	5.5862-01	1.6947-03	1.1918-03	2.7034-02	3.4502+04	4.3002-04	1.0880+00
29	426.87	5.7018+00	9.2162-01	2.7903-03	9.2162-01	2.7903-03	1.9623-03	4.4512-02	5.6808+04	7.0799-04	1.3070+00
30	451.16	2.0308+01	3.3483+00	1.0320-02	3.3483+00	1.0320-02	7.2572-03	1.6462-01	2.1010+05	2.6211-03	1.6410+00
31	471.11	2.4238+01	4.1106+00	1.2859-02	4.1106+00	1.2859-02	9.0431-03	2.0513-01	2.6180+05	3.2688-03	1.7720+00
32	495.96	7.4042+00	1.2577+00	4.0094-03	1.2577+00	4.0094-03	2.8195-03	6.3958-02	8.1626+04	1.0203-03	2.4660+00
33	460.40	3.7870+00	6.3020-01	1.9557-03	6.3020-01	1.9557-03	1.3753-03	3.1197-02	3.9815+04	4.9691-04	3.0090+00
34	445.74	3.4307+00	5.5685-01	1.7094-03	5.5685-01	1.7094-03	1.2021-03	2.7268-02	3.4801+04	4.3406-04	3.3930+00
35	441.18	3.0161+00	4.6750-01	1.4303-03	4.6750-01	1.4303-03	1.0058-03	2.2816-02	2.9119+04	3.6313-04	3.7770+00
36	430.24	5.2883+00	8.4662-01	2.5695-03	8.4662-01	2.5695-03	1.8070-03	4.0990-02	5.2313+04	6.5205-04	1.3070+00
37	494.61	6.5870+00	1.1312+00	3.6023-03	1.1312+00	3.6023-03	2.5333-03	5.7465-02	7.3340+04	9.1666-04	2.4660+00
38	458.82	4.4317+00	7.2579-01	2.2497-03	7.2579-01	2.2497-03	1.5821-03	3.5887-02	4.5801+04	5.7157-04	3.0090+00
39	442.88	3.9486+00	6.3581-01	1.9477-03	6.3581-01	1.9477-03	1.3697-03	3.1070-02	3.9652+04	4.9451-04	3.3930+00
40	439.50	3.1226+00	4.9709-01	1.5189-03	4.9709-01	1.5189-03	1.0682-03	2.4230-02	3.0924+04	3.8560-04	3.7770+00
41	444.91	2.6255+00	4.1056-01	1.2595-03	4.1056-01	1.2595-03	8.8576-04	2.0092-02	2.5643+04	3.1982-04	4.1620+00
43	459.91	1.6805+00	2.7956-01	8.6725-04	2.7956-01	8.6725-04	6.0988-04	1.3834-02	1.7656+04	2.2035-04	5.3230+00
47	440.83	1.8971+00	3.0321-01	9.2741-04	3.0321-01	9.2741-04	6.5219-04	1.4794-02	1.8881+04	2.3545-04	7.1100-01
48	433.69	3.2603+00	5.2794-01	1.6064-03	5.2794-01	1.6064-03	1.1297-03	2.5625-02	3.2704+04	4.0769-04	1.0880+00
49	432.55	5.7231+00	9.3153-01	2.8320-03	9.3153-01	2.8320-03	1.9916-03	4.5177-02	5.7657+04	7.1873-04	1.3070+00
50	460.05	2.0921+01	3.4909+00	1.0831-02	3.4909+00	1.0831-02	7.6165-03	1.7277-01	2.2050+05	2.7519-03	1.6410+00
51	478.76	2.5226+01	4.2999+00	1.3529-02	4.2999+00	1.3529-02	9.5143-03	2.1582-01	2.7544+05	3.4403-03	1.7720+00
52	479.83	2.3252+00	3.9663-01	1.2490-03	3.9663-01	1.2490-03	8.7831-04	1.9924-02	2.5427+04	3.1761-04	2.4660+00
53	452.52	3.0333+00	4.9464-01	1.5260-03	4.9464-01	1.5260-03	1.0732-03	2.4344-02	3.1068+04	3.8761-04	3.0090+00
54	441.03	2.8265+00	4.5180-01	1.3821-03	4.5180-01	1.3821-03	9.7195-04	2.2048-02	2.8138+04	3.5089-04	3.3930+00
55	440.83	2.5782+00	4.0454-01	1.2373-03	4.0454-01	1.2373-03	8.7015-04	1.9738-02	2.5191+04	3.1413-04	3.7770+00
56	448.62	9.5222-01	1.4603-01	4.4923-04	1.4603-01	4.4923-04	3.1591-04	7.1662-03	9.1458+03	1.1409-04	4.1100-01
57	441.19	2.0519+00	3.2604-01	9.9749-04	3.2604-01	9.9749-04	7.0148-04	1.5912-02	2.0308+04	2.5324-04	7.1100-01
58	433.57	3.3823+00	5.4766-01	1.6662-03	5.4766-01	1.6662-03	1.1717-03	2.6580-02	3.3922+04	4.2288-04	1.0880+00
59	434.63	5.8317+00	9.4777-01	2.8858-03	9.4777-01	2.8858-03	2.0294-03	4.6034-02	5.8751+04	7.3243-04	1.3070+00
60	462.58	2.3104+01	3.8391+00	1.1933-02	3.8391+00	1.1933-02	8.3918-03	1.9036-01	2.4295+05	3.0323-03	1.6410+00
61	445.69	1.9340+00	3.1297-01	9.6070-04	3.1297-01	9.6070-04	6.7560-04	1.5325-02	1.9559+04	2.4395-04	3.0090+00
62	435.97	1.6992+00	2.7066-01	8.2491-04	2.7066-01	8.2491-04	5.8011-04	1.3159-02	1.6794+04	2.0938-04	3.3930+00
63	439.83	1.4447+00	2.2652-01	6.9236-04	2.2652-01	6.9236-04	4.8689-04	1.1045-02	1.4096+04	1.7577-04	3.7770+00
64	430.09	3.7184+00	6.1316-01	1.8608-03	6.1316-01	1.8608-03	1.3086-03	2.9683-02	3.7883+04	4.7219-04	1.0880+00
65	432.78	5.8966+00	9.7417-01	2.9622-03	9.7417-01	2.9622-03	2.0831-03	4.7253-02	6.0306+04	7.5177-04	1.3070+00
66	460.99	2.3297+01	3.9242+00	1.2183-02	3.9242+00	1.2183-02	8.5678-03	1.9435-01	2.4804+05	3.0957-03	1.6410+00
69	441.51	1.1881+00	1.9747-01	6.0431-04	1.9747-01	6.0431-04	4.2497-04	9.6400-03	1.2303+04	1.5342-04	4.1100-01
70	433.23	2.2535+00	3.7242-01	1.1328-03	3.7242-01	1.1328-03	7.9661-04	1.8070-02	2.3062+04	2.8749-04	7.1100-01
71	444.11	5.5106+00	9.1493-01	2.8052-03	9.1493-01	2.8052-03	1.9727-03	4.4749-02	5.7111+04	7.1228-04	1.3070+00
72	464.86	2.3154+01	3.9104+00	1.2176-02	3.9104+00	1.2176-02	8.5625-03	1.9423-01	2.4788+05	3.0943-03	1.6410+00
73	452.97	2.6753+00	4.3117-01	1.3307-03	4.3117-01	1.3307-03	9.3578-04	2.1227-02	2.7091+04	3.3800-04	3.7770+00
74	469.67	1.3678+00	2.2633-01	7.0725-04	2.2633-01	7.0725-04	4.9736-04	1.1282-02	1.4399+04	1.7977-04	5.3230+00
77	455.53	3.1351+00	5.2152-01	1.6126-03	5.2152-01	1.6126-03	1.1340-03	2.5724-02	3.2830+04	4.0965-04	3.0090+00
78	446.07	2.4629+00	4.0225-01	1.2351-03	4.0225-01	1.2351-03	8.6858-04	1.9703-02	2.5146+04	3.1364-04	3.3930+00
79	445.90	2.2400+00	3.5926-01	1.1030-03	3.5926-01	1.1030-03	7.7564-04	1.7595-02	2.2455+04	2.8007-04	3.7770+00
80	497.15	6.6909+00	1.1576+00	3.6939-03	1.1576+00	3.6939-03	2.5977-03	5.8925-02	7.5203+04	9.4005-04	2.4660+00
81	463.97	3.4447+00	5.7631-01	1.7932-03	5.7631-01	1.7932-03	1.2611-03	2.8606-02	3.6508+04	4.5570-04	3.0090+00
82	450.00	3.1605+00	5.1914-01	1.5987-03	5.1914-01	1.5987-03	1.1242-03	2.5502-02	3.2547+04	4.0602-04	3.3930+00
83	445.84	2.6649+00	4.3259-01	1.3280-03	4.3259-01	1.3280-03	9.3393-04	2.1185-02	2.7037+04	3.3723-04	3.7770+00
337	536.83	1.0767+01	2.0881+00	6.8725-03	2.0881+00	6.8725-03	4.8330-03	1.0963-01	1.3992+05	1.7520-03	7.1680+00
339	538.42	1.0840+01	2.1492+00	7.0826-03	2.1492+00	7.0826-03	4.9808-03	1.1298-01	1.4419+05	1.8057-03	8.1130+00
340	491.01	3.3797+00	6.3678-01	2.0223-03	6.3678-01	2.0223-03	1.4222-03	3.2260-02	4.1172+04	5.1452-04	8.6180+00
342	531.69	6.8675+00	1.3701+00	4.4913-03	1.3701+00	4.4913-03	3.1584-03	7.1645-02	9.1437+04	1.1447-03	7.1680+00
344	528.94	1.3547+01	2.6842+00	8.7796-03	2.6842+00	8.7796-03	6.1742-03	1.4005-01	1.7874+05	2.2374-03	8.1130+00
347	508.04	8.3242+00	1.5856+00	5.1021-03	1.5856+00	5.1021-03	3.5880-03	8.1390-02	1.0387+05	1.2991-03	7.1680+00
349	501.79	1.1813+01	2.2950+00	7.3492-03	2.2950+00	7.3492-03	5.1682-03	1.1724-01	1.4962+05	1.8707-03	8.1130+00
350	472.05	3.6826+00	6.4686-01	2.0250-03	6.4686-01	2.0250-03	1.4241-03	3.2303-02	4.1227+04	5.1478-04	8.6180+00
352	496.84	8.3730+00	1.5455+00	4.9303-03	1.5455+00	4.9303-03	3.4672-03	7.8649-02	1.0038+05	1.2547-03	7.1680+00
354	494.77	1.3740+01	2.6505+00	8.4418-03	2.6505+00	8.4418-03	5.9366-03	1.3466-01	1.7187+05	2.1481-03	8.1130+00
357	502.37	6.7927+00	1.2548+00	4.0201-03	1.2548+00	4.0201-03	2.8271-03	6.4130-02	8.1846+04	1.0233-03	7.1680+00
359	499.65	1.2209+01	2.2083+00	7.0598-03	2.2083+00	7.0598-03	4.9647-03	1.1262-01	1.4373+05	1.7968-03	8.1130+00
401	450.53	2.2187+00	1.8337-01	5.6489-04	1.8337-01	5.6489-04	3.9725-04	9.0113-03	1.1501+04	1.4347-04	4.5500-01
403	452.48	2.0977+00	1.7155-01	5.2923-04	1.7155-01	5.2923-04	3.7217-04	8.4423-03	1.0774+04	1.3442-04	6.8600-01
404	4.50	-1.0430+02	-5.5894+00	-1.2985-02	-5.5894+00	-1.2985-02	-9.1314-03	-2.0714-01	-2.6436+05	-3.2418-03	8.0100-01
405	456.61	4.3034+00	3.5292-01	1.0921-03	3.5292-01	1.0921-03	7.6802-04	1.7422-02	2.2234+04	2.7745-04	1.0510+00
406	458.66	5.9304+00	4.8994-01	1.5185-03	4.8994-01	1.5185-03	1.0678-03	2.4223-02	3.0914+04	3.8579-04	1.1670+00
407	461.25	7.0447+00	5.9343-01	1.8427-03	5.9343-01	1.8427-03	1.2959-03	2.9396-02	3.7516+04	4.6823-04	1.2830+00
408	452.17	3.0769+00	2.4856-01	7.6665-04	2.4856-01	7.6665-04	5.3914-04	1.2230-02	1.5608+04	1.9473-04	5.1300-01
409	450.96	3.8083+00	3.1298-01	9.6447-04	3.1298-01	9.6447-04	6.7825-04	1.5385-02	1.9636+04	2.4496-04	5.7000-01
410	453.68	3.7179+00	2.9519-01	9.1148-04	2.9519-01	9.1148-04	6.4099-04	1.4540-02	1.8557+04	2.3153-04	6.2800-01
411	455.85	4.5003+00	3.7108-01	1.1477-03	3.7108-01	1.1477-03	8.0709-04	1.8308-02	2.3365+04	2.9155-04	6.8600-01
412	461.35	3.0769+00	2.5314-01	7.8614-04	2.5314-01	7.8614-04	5.5284-04	1.2541-02	1.6005+04	1.9976-04	7.4400-01
413	455.96	4.5143+00	3.7448-01	1.1583-03	3.7448-01	1.1583-03	8.1455-04	1.8477-02	2.3582+04	2.9425-04	8.0100-01
414	456.02	4.1725+00	3.4204-01	1.0580-03	3.4204-01	1.0580-03	7.4403-04	1.6878-02	2.1540+04	2.6878-04	8.5900-01
415	459.63	4.7714+00	3.9445-01	1.2234-03	3.9445-01	1.2234-03	8.6034-04	1.9516-02	2.4907+04	3.1084-04	9.1700-01
416	455.47	4.1122+00	3.1478-01	9.7328-04	3.1478-01	9.7328-04	6.8445-04	1.5526-02	1.9815+04	2.4725-04	5.7000-01
417	460.07	5.6841+00	4.6725-01	1.4496-03	4.6725-01	1.4496-03	1.0194-03	2.3125-02	2.9513+04	3.6833-04	1.0520+00

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8.41C03+01 9.76790-03 6.96565-01 4.53551+03 9.74464-06 6.81212-08 5.44304-02 7.72000+00 7.03953-06 7.47061-02

1	441.68	1.1216+00	1.8644-01	5.7079-04	1.8644-01	5.7079-04	4.0141-04	9.1054-03	1.1621+04	1.4487-04	4.1100-01
2	430.90	2.0010+00	3.3015-01	1.0028-03	3.3015-01	1.0028-03	7.0522-04	1.5997-02	2.0416+04	2.5441-04	7.1100-01
3	435.86	4.5106+00	7.4681-01	2.2766-03	7.4681-01	2.2766-03	1.6010-03	3.6317-02	4.6349+04	5.7768-04	1.3070+00
4	456.88	1.3895+01	2.3341+00	7.2265-03	2.3341+00	7.2265-03	5.0819-03	1.1528-01	1.4712+05	1.8353-03	1.6410+00
5	479.59	1.9467+01	3.4754+00	1.0945-02	3.4754+00	1.0945-02	7.6971-03	1.7460-01	2.2283+05	2.7825-03	1.7720+00
6	499.44	6.8436+00	1.1651+00	3.7253-03	1.1651+00	3.7253-03	2.6198-03	5.9426-02	7.5842+04	9.4784-04	2.4660+00
7	469.44	3.8764+00	6.4515-01	2.0163-03	6.4515-01	2.0163-03	1.4179-03	3.2164-02	4.1050+04	5.1236-04	3.0090+00
8	453.25	3.3538+00	5.4718-01	1.6896-03	5.4718-01	1.6896-03	1.1882-03	2.6952-02	3.4398+04	4.2904-04	3.3930+00
9	447.09	2.7320+00	4.4385-01	1.3643-03	4.4385-01	1.3643-03	9.5940-04	2.1763-02	2.7775+04	3.4634-04	3.7770+00
10	465.22	1.5610+00	2.5753-01	8.0232-04	2.5753-01	8.0232-04	5.6422-04	1.2799-02	1.6334+04	2.0384-04	5.3230+00
14	426.44	3.2644+00	5.3691-01	1.6255-03	5.3691-01	1.6255-03	1.1431-03	2.5931-02	3.3094+04	4.1231-04	1.0880+00
15	425.96	5.1387+00	8.4489-01	2.5571-03	8.4489-01	2.5571-03	1.7982-03	4.0791-02	5.2059+04	6.4858-04	1.3070+00
16	450.04	1.7913+01	2.9949+00	9.2256-03	2.9949+00	9.2256-03	6.4878-03	1.4717-01	1.8782+05	2.3424-03	1.6410+00
19	448.69	1.0639+00	1.6161-01	4.9732-04	1.6161-01	4.9732-04	3.4973-04	7.9333-03	1.0125+04	1.2626-04	4.1100-01
20	442.29	1.9730+00	3.1277-01	9.5796-04	3.1277-01	9.5796-04	6.7367-04	1.5282-02	1.9503+04	2.4315-04	7.1100-01
21	427.47	3.3294+00	5.3036-01	1.6069-03	5.3036-01	1.6069-03	1.1300-03	2.5634-02	3.2715+04	4.0761-04	1.0880+00
22	423.85	5.3714+00	8.5863-01	2.5947-03	8.5863-01	2.5947-03	1.8247-03	4.1391-02	5.2825+04	6.5806-04	1.3070+00
23	533.98	5.6105-02	9.5003-03	3.1207-05	9.5003-03	3.1207-05	2.1946-05	4.9783-04	6.3535+02	7.9524-06	1.6410+00
24	462.44	3.4000+00	5.5819-01	1.7354-03	5.5819-01	1.7354-03	1.2204-03	2.7683-02	3.5331+04	4.4084-04	3.0090+00
25	452.06	2.4514+00	3.9004-01	1.2033-03	3.9004-01	1.2033-03	8.4619-04	1.9195-02	2.4497+04	3.0554-04	3.3930+00
26	447.90	2.4566+00	3.9215-01	1.2061-03	3.9215-01	1.2061-03	8.4815-04	1.9239-02	2.4554+04	3.0619-04	3.7770+00
27	441.14	1.5823+00	2.5064-01	7.6702-04	2.5064-01	7.6702-04	5.3940-04	1.2236-02	1.5616+04	1.9467-04	7.1100-01
28	429.98	3.4234+00	5.4631-01	1.6582-03	5.4631-01	1.6582-03	1.1661-03	2.6453-02	3.3760+04	4.2067-04	1.0880+00
29	428.30	5.7262+00	9.2650-01	2.8088-03	9.2650-01	2.8088-03	1.9753-03	4.4807-02	5.7185+04	7.1252-04	1.3070+00
30	456.18	2.0293+01	3.3573+00	1.0389-02	3.3573+00	1.0389-02	7.3060-03	1.6573-01	2.1151+05	2.6385-03	1.6410+00
31	477.11	2.3837+01	4.0588+00	1.2758-02	4.0588+00	1.2758-02	8.9723-03	2.0353-01	2.5975+05	3.2431-03	1.7720+00
32	497.84	7.6156+00	1.2952+00	4.1361-03	1.2952+00	4.1361-03	2.9087-03	6.5979-02	8.4206+04	1.0523-03	2.4660+00
33	467.35	3.8499+00	6.4107-01	1.9914-03	6.4107-01	1.9914-03	1.4004-03	3.1768-02	4.0543+04	5.0586-04	3.0090+00
34	446.61	3.4130+00	5.5432-01	1.7032-03	5.5432-01	1.7032-03	1.1978-03	2.7170-02	3.4675+04	4.3238-04	3.3930+00
35	441.92	2.9907+00	4.6380-01	1.4201-03	4.6380-01	1.4201-03	9.9870-04	2.2654-02	2.8913+04	3.6045-04	3.7770+00
36	431.57	5.1938+00	8.3226-01	2.5291-03	8.3226-01	2.5291-03	1.7786-03	4.0345-02	5.1490+04	6.4165-04	1.3070+00
37	496.29	6.7543+00	1.1612+00	3.7037-03	1.1612+00	3.7037-03	2.6046-03	5.9083-02	7.5404+04	9.4224-04	2.4660+00
38	459.94	4.4145+00	7.2353-01	2.2452-03	7.2353-01	2.2452-03	1.5789-03	3.5816-02	4.5710+04	5.7030-04	3.0090+00
39	443.88	3.8722+00	6.2394-01	1.9133-03	6.2394-01	1.9133-03	1.3455-03	3.0521-02	3.8952+04	4.8565-04	3.3930+00
40	440.28	3.0732+00	4.8950-01	1.4970-03	4.8950-01	1.4970-03	1.0528-03	2.3881-02	3.0478+04	3.7994-04	3.7770+00
41	445.56	2.6260+00	4.1083-01	1.2613-03	4.1083-01	1.2613-03	8.8702-04	2.0121-02	2.5679+04	3.2019-04	4.1620+00
43	460.32	1.6816+00	2.7981-01	8.6855-04	2.7981-01	8.6855-04	6.1080-04	1.3855-02	1.7683+04	2.2062-04	5.3230+00
47	441.30	1.8758+00	2.9990-01	9.1789-04	2.9990-01	9.1789-04	6.4549-04	1.4642-02	1.8687+04	2.3297-04	7.1100-01
48	434.48	3.2042+00	5.1914-01	1.5809-03	5.1914-01	1.5809-03	1.1118-03	2.5220-02	3.2186+04	4.0114-04	1.0880+00
49	433.95	5.7112+00	9.3050-01	2.8326-03	9.3050-01	2.8326-03	1.9920-03	4.5186-02	5.7669+04	7.1872-04	1.3070+00
50	465.37	2.1037+01	3.5229+00	1.0976-02	3.5229+00	1.0976-02	7.7190-03	1.7510-01	2.2347+05	2.7887-03	1.6410+00
51	484.99	2.4785+01	4.2421+00	1.3415-02	4.2421+00	1.3415-02	9.4337-03	2.1399-01	2.7311+05	3.4110-03	1.7720+00
52	480.41	2.3642+00	4.0342-01	1.2713-03	4.0342-01	1.2713-03	8.9403-04	2.0280-02	2.5882+04	3.2320-04	2.4660+00
53	453.29	3.2644+00	5.3262-01	1.6446-03	5.3262-01	1.6446-03	1.1566-03	2.6236-02	3.3483+04	4.1763-04	3.0090+00
54	441.72	2.8249+00	4.5177-01	1.3831-03	4.5177-01	1.3831-03	9.7266-04	2.2064-02	2.8159+04	3.5105-04	3.3930+00
55	441.51	2.6239+00	4.1190-01	1.2609-03	4.1190-01	1.2609-03	8.8670-04	2.0114-02	2.5670+04	3.2002-04	3.7770+00
56	448.86	1.3538+00	2.0765-01	6.3909-04	2.0765-01	6.3909-04	4.4943-04	1.0195-02	1.3011+04	1.6226-04	4.1100-01
57	441.71	2.0629+00	3.2789-01	1.0038-03	3.2789-01	1.0038-03	7.0594-04	1.6013-02	2.0437+04	2.5478-04	7.1100-01
58	434.42	3.3896+00	5.4916-01	1.6723-03	5.4916-01	1.6723-03	1.1760-03	2.6677-02	3.4046+04	4.2432-04	1.0880+00
59	436.10	5.7969+00	9.4308-01	2.8754-03	9.4308-01	2.8754-03	2.0221-03	4.5869-02	5.8540+04	7.2964-04	1.3070+00
60	468.38	2.3067+01	3.8478+00	1.2016-02	3.8478+00	1.2016-02	8.4501-03	1.9168-01	2.4463+05	3.0532-03	1.6410+00
61	446.19	1.9003+00	3.0761-01	9.4487-04	3.0761-01	9.4487-04	6.6447-04	1.5073-02	1.9237+04	2.3986-04	3.0090+00
62	436.39	1.7527+00	2.7926-01	8.5165-04	2.7926-01	8.5165-04	5.9891-04	1.3586-02	1.7339+04	2.1611-04	3.3930+00
63	440.19	1.4561+00	2.2837-01	6.9840-04	2.2837-01	6.9840-04	4.9114-04	1.1141-02	1.4219+04	1.7725-04	3.7770+00
64	430.99	3.7294+00	6.1535-01	1.8692-03	6.1535-01	1.8692-03	1.3145-03	2.9818-02	3.8055+04	4.7421-04	1.0880+00
65	434.26	5.9158+00	9.7836-01	2.9790-03	9.7836-01	2.9790-03	2.0949-03	4.7521-02	6.0649+04	7.5586-04	1.3070+00
66	466.86	2.3437+01	3.9636+00	1.2363-02	3.9636+00	1.2363-02	8.6943-03	1.9722-01	2.5170+05	3.1413-03	1.6410+00
69	441.83	1.1896+00	1.9778-01	6.0555-04	1.9778-01	6.0555-04	4.2585-04	9.6598-03	1.2328+04	1.5370-04	4.1100-01
70	433.80	2.1803+00	3.6045-01	1.0972-03	3.6045-01	1.0972-03	7.7157-04	1.7502-02	2.2337+04	2.7838-04	7.1100-01
71	445.48	5.4499+00	9.0569-01	2.7805-03	9.0569-01	2.7805-03	1.9554-03	4.4355-02	5.6608+04	7.0584-04	1.3070+00
72	470.62	2.2969+01	3.8942+00	1.2181-02	3.8942+00	1.2181-02	8.5663-03	1.9432-01	2.4800+05	3.0955-03	1.6410+00
73	453.70	2.8073+00	4.5266-01	1.3981-03	4.5266-01	1.3981-03	9.8323-04	2.2303-02	2.8465+04	3.5504-04	3.7770+00
74	470.01	1.3278+00	2.1976-01	6.8710-04	2.1976-01	6.8710-04	4.8319-04	1.0961-02	1.3989+04	1.7460-04	5.3230+00
77	456.31	3.1242+00	5.1999-01	1.6092-03	5.1999-01	1.6092-03	1.1317-03	2.5671-02	3.2762+04	4.0869-04	3.0090+00
78	446.68	2.4852+00	4.0607-01	1.2478-03	4.0607-01	1.2478-03	8.7748-04	1.9905-02	2.5403+04	3.1676-04	3.3930+00
79	446.45	2.1766+00	3.4923-01	1.0729-03	3.4923-01	1.0729-03	7.5451-04	1.7115-02	2.1843+04	2.7237-04	3.7770+00
80	498.85	6.8873+00	1.1929+00	3.8126-03	1.1929+00	3.8126-03	2.6812-03	6.0819-02	7.7620+04	9.7003-04	2.4660+00
81	464.83	3.4805+00	5.8264-01	1.8146-03	5.8264-01	1.8146-03	1.2761-03	2.8947-02	3.6944+04	4.6102-04	3.0090+00
82	450.83	3.0166+00	4.9578-01	1.5281-03	4.9578-01	1.5281-03	1.0746-03	2.4377-02	3.1111+04	3.8800-04	3.3930+00
83	446.49	2.6145+00	4.2460-01	1.3045-03	4.2460-01	1.3045-03	9.1739-04	2.0810-02	2.6559+04	3.3117-04	3.7770+00
337	539.50	1.0818+01	2.1014+00	6.9332-03	2.1014+00	6.9332-03	4.8757-03	1.1060-01	1.4115+05	1.7672-03	7.1680+00
339	541.15	1.0936+01	2.1718+00	7.1749-03	2.1718+00	7.1749-03	5.0457-03	1.1446-01	1.4607+05	1.8289-03	8.1130+00
340	491.86	3.3974+00	6.4046-01	2.0359-03	6.4046-01	2.0359-03	1.4317-03	3.2478-02	4.1449+04	5.1785-04	8.6180+00
342	533.40	6.8005+00	1.3582+00	4.4595-03	1.3582+00	4.4595-03	3.1361-03	7.1139-02	9.0791+04	1.1364-03	7.1680+00
344	532.33	1.3625+01	2.7053+00	8.8751-03	2.7053+00	8.8751-03	6.2414-03	1.4158-01	1.8069+05	2.2614-03	8.1130+00
347	510.10	8.1829+00	1.5607+00	5.0317-03	1.5607+00	5.0317-03	3.5385-03	8.0266-02	1.0244+05	1.2808-03	7.1680+00
349	504.76	1.1739+01	2.2849+00	7.3359-03	2.2849+00	7.3359-03	5.1589-03	1.1702-01	1.4935+05	1.8670-03	8.1130+00
350	472.97	3.6691+00	6.4489-01	2.0208-03	6.4489-01	2.0208-03	1.4211-03	3.2237-02	4.1142+04	5.1359-04	8.6180+00
352	498.91	8.2468+00	1.5242+00	4.8716-03	1.5242+00	4.8716-03	3.4259-03	7.7713-02	9.9181+04	1.2395-03	7.1680+00
354	498.19	1.3709+01	2.6503+00	8.4660-03	2.6503+00	8.4660-03	5.9536-03	1.3505-01	1.7236+05	2.1540-03	8.1130+00
357	504.05	6.7740+00	1.2527+00	4.0198-03	1.2527+00	4.0198-03	2.8269-03	6.4125-02	8.1839+04	1.0230-03	7.1680+00
359	502.67	1.2041+01	2.1821+00	6.9944-03	2.1821+00	6.9944-03	4.9187-03	1.1158-01	1.4240+05	1.7799-03	8.1130+00
401	451.08	2.1434+00	1.7721-01	5.4630-04	1.7721-01	5.4630-04	3.8418-04	8.7147-03	1.1122+04	1.3871-04	4.5500-01
403	453.08	2.4239+00	1.9831-01	6.1224-04	1.9831-01	6.1224-04	4.3055-04	9.7666-03	1.2465+04	1.5547-04	6.8600-01
404	18.57	-9.2316+01	-4.7932+00	-1.1000-02	-4.7932+00	-1.1000-02	-7.7353-03	-1.7547-01	-2.2394+05	-2.7433-03	8.0100-01
405	457.69	4.3288+00	3.5526-01	1.1006-03	3.5526-01	1.1006-03	7.7398-04	1.7557-02	2.2407+04	2.7953-04	1.0510+00
406	460.09	5.7751+00	4.7757-01	1.4821-03	4.7757-01	1.4821-03	1.0423-03	2.3643-02	3.0175+04	3.7647-04	1.1670+00
407	462.99	6.9719+00	5.8799-01	1.8288-03	5.8799-01	1.8288-03	1.2861-03	2.9173-02	3.7232+04	4.6458-04	1.2830+00
408	452.90	3.1839+00	2.5733-01	7.9436-04	2.5733-01	7.9436-04	5.5863-04	1.2672-02	1.6172+04	2.0171-04	5.1300-01
409	451.86	3.6114+00	2.9698-01	9.1606-04	2.9698-01	9.1606-04	6.4421-04	1.4613-02	1.8650+04	2.3260-04	5.7000-01
410	454.64	3.7517+00	2.9806-01	9.2128-04	2.9806-01	9.2128-04	6.4788-04	1.4696-02	1.8756+04	2.3396-04	6.2800-01
411	456.96	4.3792+00	3.6137-01	1.1189-03	3.6137-01	1.1189-03	7.8686-04	1.7849-02	2.2780+04	2.8417-04	6.8600-01
412	462.13	3.0987+00	2.5507-01	7.9283-04	2.5507-01	7.9283-04	5.5755-04	1.2647-02	1.6141+04	2.0140-04	7.4400-01
413	457.05	4.4613+00	3.7036-01	1.1468-03	3.7036-01	1.1468-03	8.0648-04	1.8294-02	2.3348+04	2.9126-04	8.0100-01
414	457.06	4.1278+00	3.3862-01	1.0485-03	3.3862-01	1.0485-03	7.3737-04	1.6726-02	2.1347+04	2.6630-04	8.5900-01
415	460.81	4.6961+00	3.8853-01	1.2065-03	3.8853-01	1.2065-03	8.4842-04	1.9246-02	2.4562+04	3.0646-04	9.1700-01
416	456.50	4.0868+00	3.1305-01	9.6896-04	3.1305-01	9.6896-04	6.8141-04	1.5457-02	1.9727+04	2.4609-04	9.7000-01
417	461.41	5.5501+00	4.5664-01	1.4186-03	4.5664-01	1.4186-03	9.9760-04	2.2629-02	2.8881+04	3.6035-04	1.0520+00

24 1 11.98 -.02 .00 -.00 402 11 3.15 10.09 456.9 1728.5

8.40913+01 9.76806-03 6.96576-01 4.53526+03 9.74584-06 6.81139-08 5.44400-02 7.72000+00 7.03867-06 7.47072-02

1	442.24	1.0223+00	1.7002-01	5.2094-04	1.7002-01	5.2094-04	3.6632-04	8.3101-03	1.0607+04	1.3218-04	4.1100-01
2	431.90	1.9834+00	3.2747-01	9.9582-04	3.2747-01	9.9582-04	7.0025-04	1.5885-02	2.0276+04	2.5257-04	7.1100-01
3	438.15	4.6275+00	7.6738-01	2.3443-03	7.6738-01	2.3443-03	1.6485-03	3.7396-02	4.7732+04	5.9473-04	1.3070+00
4	463.99	1.3967+01	2.3574+00	7.3408-03	2.3574+00	7.3408-03	5.1620-03	1.1710-01	1.4947+05	1.8643-03	1.6410+00
5	489.10	1.8424+01	3.3098+00	1.0504-02	3.3098+00	1.0504-02	7.3863-03	1.6756-01	2.1388+05	2.6706-03	1.7720+00
6	502.90	6.9475+00	1.1854+00	3.8021-03	1.1854+00	3.8021-03	2.6736-03	6.0652-02	7.7416+04	9.6723-04	2.4660+00
7	471.38	3.9231+00	6.5378-01	2.0472-03	6.5378-01	2.0472-03	1.4395-03	3.2657-02	4.1683+04	5.2068-04	3.0090+00
8	455.02	3.4644+00	5.6591-01	1.7505-03	5.6591-01	1.7505-03	1.2309-03	2.7924-02	3.5642+04	4.4440-04	3.3930+00
9	448.48	2.8234+00	4.5914-01	1.4133-03	4.5914-01	1.4133-03	9.9385-04	2.2546-02	2.8778+04	3.5871-04	3.7770+00
10	465.98	1.4649+00	2.4180-01	7.5407-04	2.4180-01	7.5407-04	5.3026-04	1.2029-02	1.5354+04	1.9153-04	5.3230+00
14	428.04	3.1891+00	5.2511-01	1.5924-03	5.2511-01	1.5924-03	1.1197-03	2.5462-02	3.2423+04	4.0380-04	1.0880+00
15	428.50	5.1325+00	8.4538-01	2.5644-03	8.4538-01	2.5644-03	1.8033-03	4.0908-02	5.2215+04	6.5032-04	1.3070+00
16	458.97	1.7916+01	3.0137+00	9.3494-03	3.0137+00	9.3494-03	6.5744-03	1.4914-01	1.9037+05	2.3740-03	1.6410+00
19	449.24	1.0332+00	1.5701-01	4.8358-04	1.5701-01	4.8358-04	3.4005-04	7.7142-03	9.8464+03	1.2274-04	4.1100-01
20	443.25	1.9231+00	3.0507-01	9.3545-04	3.0507-01	9.3545-04	6.5780-04	1.4922-02	1.9047+04	2.3737-04	7.1100-01
21	429.16	3.2790+00	5.2296-01	1.5871-03	5.2296-01	1.5871-03	1.1160-03	2.5318-02	3.2316+04	4.0249-04	1.0880+00
22	426.51	5.3127+00	8.5085-01	2.5773-03	8.5085-01	2.5773-03	1.8123-03	4.1113-02	5.2477+04	6.5352-04	1.3070+00
23	534.01	8.7273-02	1.4778-02	4.8570-05	1.4778-02	4.8570-05	3.4154-05	7.7479-04	9.8895+02	1.2373-05	1.6410+00
24	464.13	3.3709+00	5.5405-01	1.7254-03	5.5405-01	1.7254-03	1.2133-03	2.7525-02	3.5132+04	4.3821-04	3.0090+00
25	453.34	2.7522+00	4.3827-01	1.3540-03	4.3827-01	1.3540-03	9.5210-04	2.1599-02	2.7569+04	3.4371-04	3.3930+00
26	449.10	2.4639+00	3.9363-01	1.2122-03	3.9363-01	1.2122-03	8.5243-04	1.9338-02	2.4683+04	3.0768-04	3.7770+00
27	441.95	1.6364+00	2.5935-01	7.9449-04	2.5935-01	7.9449-04	5.5868-04	1.2674-02	1.6177+04	2.0159-04	7.1100-01
28	431.68	3.4031+00	5.4372-01	1.6532-03	5.4372-01	1.6532-03	1.1625-03	2.6372-02	3.3661+04	4.1929-04	1.0880+00
29	431.15	5.5610+00	9.0158-01	2.7402-03	9.0158-01	2.7402-03	1.9269-03	4.3712-02	5.5794+04	6.9497-04	1.3070+00
30	466.43	2.0431+01	3.4037+00	1.0618-02	3.4037+00	1.0618-02	7.4666-03	1.6938-01	2.1620+05	2.6970-03	1.6410+00
31	488.83	2.2926+01	3.9338+00	1.2482-02	3.9338+00	1.2482-02	8.7772-03	1.9911-01	2.5415+05	3.1734-03	1.7720+00
32	501.75	7.9158+00	1.3496+00	4.3250-03	1.3496+00	4.3250-03	3.0413-03	6.8993-02	8.8062+04	1.1002-03	2.4660+00
33	463.30	3.8857+00	6.4789-01	2.0164-03	6.4789-01	2.0164-03	1.4179-03	3.2167-02	4.1058+04	5.1210-04	3.0090+00
34	448.32	3.3829+00	5.5007-01	1.6930-03	5.5007-01	1.6930-03	1.1905-03	2.7007-02	3.4472+04	4.2969-04	3.3930+00
35	443.43	3.0343+00	4.7106-01	1.4446-03	4.7106-01	1.4446-03	1.0158-03	2.3045-02	2.9414+04	3.6657-04	3.7770+00
36	434.11	5.1574+00	8.2790-01	2.5217-03	8.2790-01	2.5217-03	1.7732-03	4.0226-02	5.1345+04	6.3963-04	1.3070+00
37	499.71	6.9169+00	1.1917+00	3.8130-03	1.1917+00	3.8130-03	2.6813-03	6.0826-02	7.7639+04	9.6988-04	2.4660+00
38	462.11	4.3595+00	7.1555-01	2.2250-03	7.1555-01	2.2250-03	1.5646-03	3.5494-02	4.5305+04	5.6505-04	3.0090+00
39	445.71	3.7340+00	6.0244-01	1.8506-03	6.0244-01	1.8506-03	1.3013-03	2.9522-02	3.7681+04	4.6964-04	3.3930+00
40	441.77	3.0374+00	4.8429-01	1.4834-03	4.8429-01	1.4834-03	1.0431-03	2.3663-02	3.0204+04	3.7638-04	3.7770+00
41	446.86	2.6021+00	4.0745-01	1.2527-03	4.0745-01	1.2527-03	8.8091-04	1.9984-02	2.5507+04	3.1793-04	4.1620+00
43	461.18	1.6925+00	2.8179-01	8.7564-04	2.8179-01	8.7564-04	6.1574-04	1.3968-02	1.7829+04	2.2236-04	5.3230+00
47	442.21	1.7730+00	2.8364-01	8.6906-04	2.8364-01	8.6906-04	6.1112-04	1.3863-02	1.7695+04	2.2051-04	7.1100-01
48	436.10	3.2431+00	5.2604-01	1.6046-03	5.2604-01	1.6046-03	1.1283-03	2.5597-02	3.2672+04	4.0704-04	1.0880+00
49	436.81	5.7034+00	9.3109-01	2.8416-03	9.3109-01	2.8416-03	1.9982-03	4.5330-02	5.7859+04	7.2086-04	1.3070+00
50	475.74	2.0580+01	3.4702+00	1.0902-02	3.4702+00	1.0902-02	7.6662-03	1.7391-01	2.2198+05	2.7702-03	1.6410+00
51	497.12	2.3831+01	4.1110+00	1.3127-02	4.1110+00	1.3127-02	9.2310-03	2.0941-01	2.6729+05	3.3387-03	1.7720+00
52	481.59	2.3330+00	3.9842-01	1.2572-03	3.9842-01	1.2572-03	8.8406-04	2.0055-02	2.5599+04	3.1953-04	2.4660+00
53	455.04	3.5049+00	5.7254-01	1.7710-03	5.7254-01	1.7710-03	1.2453-03	2.8251-02	3.6060+04	4.4961-04	3.0090+00
54	443.14	2.7984+00	4.4797-01	1.3735-03	4.4797-01	1.3735-03	9.6586-04	2.1911-02	2.7967+04	3.4853-04	3.3930+00
55	442.77	2.5112+00	3.9455-01	1.2094-03	3.9455-01	1.2094-03	8.5045-04	1.9293-02	2.4625+04	3.0688-04	3.7770+00
56	449.81	1.1870+00	1.8219-01	5.6136-04	1.8219-01	5.6136-04	3.9475-04	8.9550-03	1.1430+04	1.4248-04	4.1100-01
57	442.71	2.0083+00	3.1944-01	9.7912-04	3.1944-01	9.7912-04	6.8851-04	1.5619-02	1.9936+04	2.4844-04	7.1100-01
58	436.10	3.3839+00	5.4888-01	1.6743-03	5.4888-01	1.6743-03	1.1773-03	2.6708-02	3.4090+04	4.2471-04	1.0880+00
59	438.95	5.6488+00	9.2082-01	2.8147-03	9.2082-01	2.8147-03	1.9792-03	4.4900-02	5.7310+04	7.1409-04	1.3070+00
60	479.84	2.2869+01	3.8439+00	1.2114-02	3.8439+00	1.2114-02	8.5181-03	1.9324-01	2.4665+05	3.0786-03	1.6410+00
61	447.10	1.8426+00	2.9846-01	9.1780-04	2.9846-01	9.1780-04	6.4539-04	1.4641-02	1.8688+04	2.3293-04	3.0090+00
62	437.28	1.7335+00	2.7637-01	8.4375-04	2.7637-01	8.4375-04	5.9332-04	1.3460-02	1.7180+04	2.1405-04	3.3930+00
63	440.91	1.4535+00	2.2808-01	6.9817-04	2.2808-01	6.9817-04	4.9095-04	1.1137-02	1.4216+04	1.7714-04	3.7770+00
64	432.85	3.6795+00	6.0791-01	1.8499-03	6.0791-01	1.8499-03	1.3008-03	2.9510-02	3.7667+04	4.6921-04	1.0880+00
65	437.20	5.8255+00	9.6539-01	2.9471-03	9.6539-01	2.9471-03	2.0724-03	4.7013-02	6.0007+04	7.4763-04	1.3070+00
66	478.60	2.3482+01	4.0022+00	1.2600-02	4.0022+00	1.2600-02	8.8605-03	2.0100-01	2.5656+05	3.2021-03	1.6410+00
69	442.39	1.1158+00	1.8558-01	5.6871-04	1.8558-01	5.6871-04	3.9991-04	9.0721-03	1.1580+04	1.4430-04	4.1100-01
70	434.87	2.1958+00	3.6330-01	1.1072-03	3.6330-01	1.1072-03	7.7856-04	1.7662-02	2.2544+04	2.8085-04	7.1100-01
71	448.20	5.3922+00	8.9779-01	2.7630-03	8.9779-01	2.7630-03	1.9429-03	4.4076-02	5.6259+04	7.0126-04	1.3070+00
72	482.06	2.2900+01	3.9119+00	1.2348-02	3.9119+00	1.2348-02	8.6833-03	1.9698-01	2.5143+05	3.1385-03	1.6410+00
73	455.09	2.8561+00	4.6097-01	1.4259-03	4.6097-01	1.4259-03	1.0027-03	2.2747-02	2.9034+04	3.6201-04	3.7770+00
74	470.65	1.3413+00	2.2209-01	6.9503-04	2.2209-01	6.9503-04	4.8874-04	1.1087-02	1.4152+04	1.7657-04	5.3230+00
77	457.85	3.1070+00	5.1767-01	1.6046-03	5.1767-01	1.6046-03	1.1283-03	2.5597-02	3.2672+04	4.0742-04	3.0090+00
78	447.92	2.4712+00	4.0412-01	1.2435-03	4.0412-01	1.2435-03	8.7439-04	1.9836-02	2.5319+04	3.1559-04	3.3930+00
79	447.52	2.1449+00	3.4440-01	1.0594-03	3.4440-01	1.0594-03	7.4494-04	1.6899-02	2.1570+04	2.6886-04	3.7770+00
80	502.38	7.1231+00	1.2366+00	3.9647-03	1.2366+00	3.9647-03	2.7879-03	6.3245-02	8.0726+04	1.0086-03	2.4660+00
81	466.59	3.5127+00	5.8873-01	1.8368-03	5.8873-01	1.8368-03	1.2917-03	2.9302-02	3.7401+04	4.6656-04	3.0090+00
82	452.18	2.6644+00	4.3830-01	1.3529-03	4.3830-01	1.3529-03	9.5134-04	2.1582-02	2.7547+04	3.4342-04	3.3930+00
83	447.82	2.6587+00	4.3217-01	1.3296-03	4.3217-01	1.3296-03	9.3560-04	2.1211-02	2.7073+04	3.3746-04	3.7770+00
337	544.93	1.0824+01	2.1095+00	6.9937-03	2.1095+00	6.9937-03	4.9179-03	1.1156-01	1.4240+05	1.7824-03	7.1680+00
339	546.67	1.1128+01	2.2175+00	7.3617-03	2.2175+00	7.3617-03	5.1767-03	1.1744-01	1.4989+05	1.8764-03	8.1130+00
340	493.58	3.3849+00	6.3882-01	2.0343-03	6.3882-01	2.0343-03	1.4305-03	3.2452-02	4.1422+04	5.1731-04	8.6180+00
342	536.81	6.7647+00	1.3539+00	4.4595-03	1.3539+00	4.4595-03	3.1359-03	7.1139-02	9.0801+04	1.1361-03	7.1680+00
344	539.14	1.3576+01	2.7068+00	8.9324-03	2.7068+00	8.9324-03	6.2812-03	1.4249-01	1.8188+05	2.2759-03	8.1130+00
347	514.16	8.2940+00	1.5860+00	5.1317-03	1.5860+00	5.1317-03	3.6086-03	8.1862-02	1.0449+05	1.3061-03	7.1680+00
349	510.58	1.1662+01	2.2285+00	7.3517-03	2.2285+00	7.3517-03	5.1697-03	1.1728-01	1.4969+05	1.8709-03	8.1130+00
350	474.80	3.6701+00	6.4585-01	2.0276-03	6.4585-01	2.0276-03	1.4258-03	3.2344-02	4.1284+04	5.1517-04	8.6180+00
352	502.97	8.1792+00	1.5157+00	4.8618-03	1.5157+00	4.8618-03	3.4188-03	7.7556-02	9.8993+04	1.2368-03	7.1680+00
354	505.04	1.3593+01	2.6395+00	8.4800-03	2.6395+00	8.4800-03	5.9630-03	1.3527-01	1.7266+05	2.1574-03	8.1130+00
357	507.46	6.8384+00	1.2674+00	4.0795-03	1.2674+00	4.0795-03	2.8687-03	6.5077-02	8.3065+04	1.0380-03	7.1680+00
359	508.63	1.1887+01	2.1624+00	6.9666-03	2.1624+00	6.9666-03	4.8989-03	1.1113-01	1.4185+05	1.7727-03	8.1130+00
401	452.02	1.7475+00	1.4458-01	4.4620-04	1.4458-01	4.4620-04	3.1377-04	7.1179-03	9.0854+03	1.1327-04	4.5500-01
403	454.31	2.4587+00	2.0132-01	6.2239-04	2.0132-01	6.2239-04	4.3766-04	9.9285-03	1.2673+04	1.5800-04	6.8600-01
404	59.35	-8.2507+01	-4.0370+00	-9.0688-03	-4.0370+00	-9.0688-03	-6.3771-03	-1.4467-01	-1.8465+05	-2.2581-03	8.0100-01
405	459.87	4.3927+00	3.6104-01	1.1208-03	3.6104-01	1.1208-03	7.8814-04	1.7879-02	2.2821+04	2.8460-04	1.0510+00
406	462.95	5.7787+00	4.7879-01	1.4898-03	4.7879-01	1.4898-03	1.0476-03	2.3765-02	3.0334+04	3.7834-04	1.1670+00
407	466.47	7.0488+00	5.9587-01	1.8590-03	5.9587-01	1.8590-03	1.3072-03	2.9654-02	3.7851+04	4.7217-04	1.2830+00
408	454.64	3.3948+00	2.7470-01	8.4946-04	2.7470-01	8.4946-04	5.9734-04	1.3551-02	1.7296+04	2.1565-04	5.1300-01
409	453.61	3.7470+00	3.0850-01	9.5324-04	3.0850-01	9.5324-04	6.7031-04	1.5206-02	1.9409+04	2.4199-04	5.7000-01
410	456.47	3.6177+00	2.8777-01	8.9109-04	2.8777-01	8.9109-04	6.2661-04	1.4215-02	1.8144+04	2.2624-04	6.2800-01
411	459.07	4.3330+00	3.5867-01	1.1109-03	3.5867-01	1.1109-03	7.8119-04	1.7722-02	2.2620+04	2.8208-04	6.8600-01
412	463.67	3.0821+00	2.5397-01	7.9065-04	2.5397-01	7.9065-04	5.5598-04	1.2613-02	1.6099+04	2.0080-04	7.4400-01
413	459.28	4.5257+00	3.7628-01	1.1676-03	3.7628-01	1.1676-03	8.2103-04	1.8625-02	2.3774+04	2.9647-04	8.0100-01
414	459.12	4.0826+00	3.3538-01	1.0406-03	3.3538-01	1.0406-03	7.3171-04	1.6599-02	2.1187+04	2.6422-04	8.5900-01
415	463.13	4.6078+00	3.8182-01	1.1882-03	3.8182-01	1.1882-03	8.3554-04	1.8955-02	2.4194+04	3.0176-04	9.1700-01
416	458.50	3.9309+00	3.0152-01	9.3508-04	3.0152-01	9.3508-04	6.5754-04	1.4917-02	1.9040+04	2.3743-04	5.7000-01
417	464.10	5.4670+00	4.5062-01	1.4033-03	4.5062-01	1.4033-03	9.8680-04	2.2386-02	2.8574+04	3.5640-04	1.0520+00

[redacted]

GP	RUN	α_s	α_M	ϕ_s	ψ_M	DATE	CONFIG	TIME	MACH	P_o	T_o
21	1	6.96	-5.04	.00	-.00	402	11	1.85	10.09	461.2	1722.2

T_∞	P_∞	q_∞	V_∞	ρ_∞	μ_∞	Re x 10⁻⁶/in.	CP_∞	K_∞	Pr
8.37481+01	9.86110-03	7.03307-01	4.52631+03	9.87898-06	6.78360-08	5.53006-02	7.72000+00	7.00607-06	7.47486-02

TC	TEMP	dT/dt	Q	h^*	Q	h^*	St	h/h_o	Nu	h	S/r
1	442.21	5.0670+00	8.4263-01	2.5948-03	8.4263-01	2.5948-03	1.8036-03	4.1028-02	5.3079+04	6.5834-04	4.1100-01
2	446.97	3.9540+01	6.5970+00	2.0386-02	6.5970+00	2.0386-02	1.4170-02	3.2234-01	4.1703+05	5.1734-03	7.1100-01
3	439.39	2.4528+01	4.0709+00	1.2510-02	4.0709+00	1.2510-02	8.6955-03	1.9780-01	2.5590+05	3.1736-03	1.3070+00
4	446.31	3.0028+01	5.0077+00	1.5468-02	5.0077+00	1.5468-02	1.0751-02	2.4457-01	3.1641+05	3.9250-03	1.6410+00
5	451.85	2.1386+01	3.7476+00	1.1623-02	3.7476+00	1.1623-02	8.0790-03	1.8378-01	2.3776+05	2.9501-03	1.7720+00
6	467.42	5.2244+00	8.7093-01	2.7329-03	8.7093-01	2.7329-03	1.8996-03	4.3212-02	5.5905+04	6.9412-04	2.4660+00
7	439.86	2.6992+00	4.4028-01	1.3534-03	4.4028-01	1.3534-03	9.4075-04	2.1400-02	2.7686+04	3.4335-04	3.0090+00
8	427.71	4.2686+00	6.8420-01	2.0846-03	6.8420-01	2.0846-03	1.4490-03	3.2961-02	4.2642+04	5.2857-04	3.3930+00
9	427.21	4.2774+00	6.8537-01	2.0874-03	6.8537-01	2.0874-03	1.4509-03	3.3005-02	4.2700+04	5.2927-04	3.7770+00
10	455.27	4.0566+00	6.6476-01	2.0670-03	6.6476-01	2.0670-03	1.4368-03	3.2683-02	4.2283+04	5.2472-04	5.3230+00
14	433.78	2.3066+01	3.8135+00	1.1670-02	3.8135+00	1.1670-02	8.1119-03	1.8453-01	2.3873+05	2.9599-03	1.0880+00
15	444.40	5.2792+01	8.7924+00	2.7119-02	8.7924+00	2.7119-02	1.8850-02	4.2880-01	5.5475+05	6.8811-03	1.3070+00
16	449.91	5.7544+01	9.6202+00	2.9794-02	9.6202+00	2.9794-02	2.0709-02	4.7110-01	6.0947+05	7.5616-03	1.6410+00
19	450.48	5.1080+00	7.7687-01	2.4070-03	7.7687-01	2.4070-03	1.6731-03	3.8059-02	4.9238+04	6.1090-04	4.1100-01
20	444.67	1.4354+01	2.2792+00	7.0313-03	2.2792+00	7.0313-03	4.8873-03	1.1118-01	1.4383+05	1.7841-03	7.1100-01
21	437.60	3.0223+01	4.8488+00	1.4881-02	4.8488+00	1.4881-02	1.0343-02	2.3529-01	3.0440+05	3.7747-03	1.0880+00
22	443.18	6.0616+01	9.8216+00	3.0266-02	9.8216+00	3.0266-02	2.1038-02	4.7856-01	6.1913+05	7.6793-03	1.3070+00
23	511.04	1.3509-02	2.2550-03	7.3169-06	2.2550-03	7.3169-06	5.0859-06	1.1569-04	1.4968+02	1.8619-06	1.6410+00
24	451.90	1.4551+00	2.3718-01	7.3564-04	2.3718-01	7.3564-04	5.1134-04	1.1632-02	1.5048+04	1.8672-04	3.0090+00
25	444.00	1.5434+00	2.4420-01	7.5299-04	2.4420-01	7.5299-04	5.2339-04	1.1906-02	1.5403+04	1.9106-04	3.3930+00
26	440.10	1.4556+00	2.3110-01	7.1055-04	2.3110-01	7.1055-04	4.9389-04	1.1235-02	1.4535+04	1.8026-04	3.7770+00
27	458.93	4.5397+01	7.2791+00	2.2696-02	7.2791+00	2.2696-02	1.5776-02	3.5886-01	4.6427+05	5.7623-03	7.1100-01
28	445.96	4.7220+01	7.6197+00	2.3529-02	7.6197+00	2.3529-02	1.6355-02	3.7204-01	4.8132+05	5.9707-03	1.0880+00
29	448.82	5.8770+01	9.6456+00	2.9848-02	9.6456+00	2.9848-02	2.0747-02	4.7195-01	6.1058+05	7.5751-03	1.3070+00
30	449.15	5.3889+01	8.8729+00	2.7464-02	8.8729+00	2.7464-02	1.9090-02	4.3425-01	5.6181+05	6.9701-03	1.6410+00
31	448.09	2.3075+01	3.8529+00	1.1916-02	3.8529+00	1.1916-02	8.2829-03	1.8842-01	2.4376+05	3.0241-03	1.7720+00
32	472.48	3.7938+00	6.3457-01	1.9989-03	6.3457-01	1.9989-03	1.3894-03	3.1605-02	4.0889+04	5.0779-04	2.4660+00
33	450.27	2.6260+00	4.3398-01	1.3444-03	4.3398-01	1.3444-03	9.3448-04	2.1258-02	2.7502+04	3.4121-04	3.0090+00
34	439.52	2.0312+00	3.2827-01	1.0089-03	3.2827-01	1.0089-03	7.0125-04	1.5952-02	2.0638+04	2.5594-04	3.3930+00
35	436.71	2.0213+00	3.1233-01	9.5790-04	3.1233-01	9.5790-04	6.6582-04	1.5146-02	1.9595+04	2.4298-04	3.7770+00
36	456.76	6.5495+01	1.0679+01	3.3243-02	1.0679+01	3.3243-02	2.3107-02	5.2563-01	6.8003+05	8.4395-03	1.3070+00
37	473.38	5.2452+00	8.8829-01	2.8000-03	8.8829-01	2.8000-03	1.9462-03	4.4273-02	5.7277+04	7.1133-04	2.4660+00
38	448.12	2.3481+00	3.8175-01	1.1807-03	3.8175-01	1.1807-03	8.2070-04	1.8669-02	2.4153+04	2.9964-04	3.0090+00
39	436.23	2.4161+00	3.8726-01	1.1873-03	3.8726-01	1.1873-03	8.2525-04	1.8773-02	2.4287+04	3.0115-04	3.3930+00
40	435.49	2.4114+00	3.8280-01	1.1730-03	3.8280-01	1.1730-03	8.1532-04	1.8547-02	2.3994+04	2.9752-04	3.7770+00
41	443.23	1.9205+00	2.9998-01	9.2444-04	2.9998-01	9.2444-04	6.4257-04	1.4617-02	1.8911+04	2.3456-04	4.1620+00
43	457.57	1.7096+00	2.8395-01	8.8444-04	2.8395-01	8.8444-04	6.1476-04	1.3985-02	1.8092+04	2.2454-04	5.3230+00
47	447.25	7.1688+00	1.1508+00	3.5571-03	1.1508+00	3.5571-03	2.4725-03	5.6245-02	7.2765+04	9.0269-04	7.1100-01
48	434.57	1.3905+01	2.2530+00	6.8990-03	2.2530+00	6.8990-03	4.7994-03	1.0908-01	1.4113+05	1.7498-03	1.0880+00
49	442.65	3.6252+01	5.9423+00	1.8305-02	5.9423+00	1.8305-02	1.2723-02	2.8943-01	3.7444+05	4.6443-03	1.3070+00
50	462.17	4.7794+01	7.9864+00	2.4962-02	7.9864+00	2.4962-02	1.7351-02	3.9469-01	5.1062+05	6.3385-03	1.6410+00
51	458.30	1.8940+01	3.1845+00	9.9246-03	3.1845+00	9.9246-03	6.8984-03	1.5692-01	2.0302+05	2.5197-03	1.7720+00
52	468.18	1.7725+00	3.0001-01	9.4196-04	3.0001-01	9.4196-04	6.5474-04	1.4894-02	1.9269+04	2.3925-04	2.4660+00
53	444.50	2.4332+00	3.9462-01	1.2172-03	3.9462-01	1.2172-03	8.4608-04	1.9247-02	2.4900+04	3.0886-04	3.0090+00
54	436.04	2.6888+00	4.2831-01	1.3129-03	4.2831-01	1.3129-03	9.1260-04	2.0760-02	2.6858+04	3.3303-04	3.3930+00
55	437.61	2.1361+00	3.3442-01	1.0263-03	3.3442-01	1.0263-03	7.1338-04	1.6228-02	2.0995+04	2.6034-04	3.7770+00
56	452.62	9.3558-01	1.4387-01	4.4648-04	1.4387-01	4.4648-04	3.1034-04	7.0596-03	9.1332+03	1.1333-04	4.1100-01
57	446.26	3.4197+00	5.4527-01	1.6841-03	5.4527-01	1.6841-03	1.1706-03	2.6629-02	3.4451+04	4.2737-04	7.1100-01
58	437.69	4.8478+00	7.8720-01	2.4160-03	7.8720-01	2.4160-03	1.6793-03	3.8201-02	4.9422+04	6.1286-04	1.0880+00
59	434.04	6.3865+00	1.0375+00	3.1757-03	1.0375+00	3.1757-03	2.2074-03	5.0213-02	6.4962+04	8.0545-04	1.3070+00
60	451.30	2.8159+01	4.6433+00	1.4395-02	4.6433+00	1.4395-02	1.0006-02	2.2761-01	2.9447+05	3.6537-03	1.6410+00
61	439.92	1.5345+00	2.4733-01	7.6035-04	2.4733-01	7.6035-04	5.2851-04	1.2022-02	1.5554+04	1.9289-04	3.0090+00
62	432.67	2.1491+00	3.4153-01	1.0443-03	3.4153-01	1.0443-03	7.2589-04	1.6513-02	2.1363+04	2.6486-04	3.3930+00
63	437.95	2.5642+00	4.0153-01	1.2326-03	4.0153-01	1.2326-03	8.5675-04	1.9489-02	2.5214+04	3.1267-04	3.7770+00
64	432.67	2.8431+00	4.6967-01	1.4362-03	4.6967-01	1.4362-03	9.9826-04	2.2708-02	2.9378+04	3.6423-04	1.0880+00
65	428.95	3.3943+00	5.5926-01	1.7055-03	5.5926-01	1.7055-03	1.1854-03	2.6966-02	3.4887+04	4.3246-04	1.3070+00
66	441.01	6.1465+00	1.0213+00	3.1422-03	1.0213+00	3.1422-03	2.1841-03	4.9683-02	6.4277+04	7.9718-04	1.6410+00
69	448.09	8.7429-01	1.4598-01	4.5150-04	1.4598-01	4.5150-04	3.1383-04	7.1390-03	9.2359+03	1.1458-04	4.1100-01
70	437.24	1.1849+00	1.9637-01	6.0249-04	1.9637-01	6.0249-04	4.1878-04	9.5264-03	1.2325+04	1.5283-04	7.1100-01
71	434.01	2.0919+00	3.4489-01	1.0557-03	3.4489-01	1.0557-03	7.3377-04	1.6692-02	2.1595+04	2.6775-04	1.3070+00
72	444.52	3.7148+00	6.1875-01	1.9086-03	6.1875-01	1.9086-03	1.3267-03	3.0179-02	3.9043+04	4.8429-04	1.6410+00
73	450.77	1.5257+00	2.4552-01	7.6087-04	2.4552-01	7.6087-04	5.2887-04	1.2031-02	1.5564+04	1.9311-04	3.7770+00
74	467.28	9.9272-01	1.6400-01	5.1457-04	1.6400-01	5.1457-04	3.5767-04	8.1362-03	1.0526+04	1.3069-04	5.3230+00
77	430.44	2.9652+00	4.8478-01	1.4800-03	4.8478-01	1.4800-03	1.0287-03	2.3401-02	3.0274+04	3.7530-04	3.0090+00
78	425.56	3.6478+00	5.8732-01	1.7866-03	5.8732-01	1.7866-03	1.2418-03	2.8249-02	3.6547+04	4.5297-04	3.3930+00
79	432.53	3.2888+00	5.2260-01	1.5978-03	5.2260-01	1.5978-03	1.1106-03	2.5265-02	3.2686+04	4.0523-04	3.7770+00
80	466.60	5.9616+00	1.0109+00	3.1703-03	1.0109+00	3.1703-03	2.2036-03	5.0128-02	6.4852+04	8.0518-04	2.4660+00
81	435.28	2.9719+00	4.8754-01	1.4937-03	4.8754-01	1.4937-03	1.0382-03	2.3617-02	3.0555+04	3.7886-04	3.0090+00
82	425.27	3.3029+00	5.3326-01	1.6218-03	5.3326-01	1.6218-03	1.1273-03	2.5644-02	3.3176+04	4.1119-04	3.3930+00
83	428.12	3.4223+00	5.4872-01	1.6723-03	5.4872-01	1.6723-03	1.1624-03	2.6442-02	3.4209+04	4.2404-04	3.7770+00
337	498.84	1.9056+01	3.6086+00	1.1599-02	3.6086+00	1.1599-02	8.0620-03	1.8339-01	2.3726+05	2.9499-03	7.1680+00
339	494.72	6.8712+00	1.3254+00	4.2465-03	1.3254+00	4.2465-03	2.9517-03	6.7145-02	8.6867+04	1.0798-03	8.1130+00
340	470.58	1.7501+00	3.2534-01	1.0233-03	3.2534-01	1.0233-03	7.1129-04	1.6180-02	2.0933+04	2.5994-04	8.6180+00
342	495.71	1.6411+01	3.2007+00	1.0263-02	3.2007+00	1.0263-02	7.1336-03	1.6227-01	2.0994+05	2.6098-03	7.1680+00
344	496.66	6.3569+00	1.2341+00	3.9601-03	1.2341+00	3.9601-03	2.7526-03	6.2616-02	8.1008+04	1.0071-03	8.1130+00
347	494.61	1.3498+01	2.5490+00	8.1663-03	2.5490+00	8.1663-03	5.6763-03	1.2912-01	1.6705+05	2.0765-03	7.1680+00
349	492.58	7.2493+00	1.4001+00	4.4783-03	1.4001+00	4.4783-03	3.1128-03	7.0810-02	9.1609+04	1.1387-03	8.1130+00
350	470.15	1.7449+00	3.0612-01	9.6255-04	3.0612-01	9.6255-04	6.6906-04	1.5220-02	1.9690+04	2.4450-04	8.6180+00
352	502.10	1.3688+01	2.5351+00	8.1689-03	2.5351+00	8.1689-03	5.6781-03	1.2916-01	1.6710+05	2.0779-03	7.1680+00
354	502.68	9.4800+00	1.8380+00	5.9253-03	1.8380+00	5.9253-03	4.1186-03	9.3689-02	1.2121+05	1.5072-03	8.1130+00
357	500.33	5.2155+00	9.6223-01	3.0963-03	9.6223-01	3.0963-03	2.1522-03	4.8959-02	6.3339+04	7.8754-04	7.1680+00
359	502.15	6.2249+00	1.1277+00	3.6340-03	1.1277+00	3.6340-03	2.5260-03	5.7461-02	7.4339+04	9.2437-04	8.1130+00
401	457.37	1.2846+01	1.0667+00	3.3220-03	1.0667+00	3.3220-03	2.3091-03	5.2526-02	6.7955+04	8.4337-04	4.5500-01
403	472.83	3.9556+01	3.2795+00	1.0333-02	3.2795+00	1.0333-02	7.1823-03	1.6338-01	2.1137+05	2.6250-03	6.8600-01
404	139.46	-6.4488+01	-4.0607+00	-1.0233-02	-4.0607+00	-1.0233-02	-7.1126-03	-1.6180-01	-2.0932+05	-2.5657-03	8.0100-01
405	488.87	7.0172+01	5.8796+00	1.8754-02	5.8796+00	1.8754-02	1.3035-02	2.9653-01	3.8363+05	4.7675-03	1.0510+00
406	481.70	7.6611+01	6.4273+00	2.0388-02	6.4273+00	2.0388-02	1.4172-02	3.2237-01	4.1706+05	5.1815-03	1.1670+00
407	494.23	9.7085+01	8.3585+00	2.6770-02	8.3585+00	2.6770-02	1.8607-02	4.2328-01	5.4761+05	6.8070-03	1.2830+00
408	461.97	2.0215+01	1.6439+00	5.1373-03	1.6439+00	5.1373-03	3.5709-03	8.1230-02	1.0509+05	1.3045-03	5.1300-01
409	451.43	3.6493+00	3.0001-01	9.3019-04	3.0001-01	9.3019-04	6.4656-04	1.4708-02	1.9028+04	2.3610-04	5.7000-01
410	461.63	1.9322+01	1.5423+00	4.8187-03	1.5423+00	4.8187-03	3.3494-03	7.6192-02	9.8572+04	1.2236-03	6.2800-01
411	453.45	4.6172+00	3.8010-01	1.1803-03	3.8010-01	1.1803-03	8.2039-04	1.8662-02	2.4144+04	2.9960-04	6.8600-01
412	471.81	2.5389+01	2.1035+00	6.6226-03	2.1035+00	6.6226-03	4.6033-03	1.0472-01	1.3547+05	1.6824-03	7.4400-01
413	450.36	6.4925+00	5.3653-01	1.6622-03	5.3653-01	1.6622-03	1.1554-03	2.6282-02	3.4002+04	4.2187-04	8.0100-01
414	470.85	4.3393+01	3.5929+00	1.1303-02	3.5929+00	1.1303-02	7.8569-03	1.7873-01	2.3123+05	2.8713-03	8.5900-01
415	451.01	8.7304+00	7.1752-01	2.2240-03	7.1752-01	2.2240-03	1.5459-03	3.5165-02	4.5494+04	5.6447-04	9.1700-01
416	466.79	1.9852+01	1.5313+00	4.8028-03	1.5313+00	4.8028-03	3.3383-03	7.5940-02	9.8246+04	1.2198-03	5.7000-01
417	480.68	6.1263+01	5.1057+00	1.6183-02	5.1057+00	1.6183-02	1.1249-02	2.5588-01	3.3104+05	4.1126-03	1.0520+00

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21 1 6.96 -5.04 .00 -.00 402 11 2.10 10.09 461.2 1722.3

8.37571+01 9.86095-03 7.03297-01 4.52656+03 9.87777-06 6.78433-08 5.52908-02 7.72000+00 7.00693-06 7.47475-02

1	443.53	5.4618+00	9.0911-01	2.8031-03	9.0911-01	2.8031-03	1.9485-03	4.4322-02	5.7333+04	7.1092-04	4.1100-01
2	456.84	3.9217+01	6.5874+00	2.0513-02	6.5874+00	2.0513-02	1.4260-02	3.2435-01	4.1957+05	5.2055-03	7.1100-01
3	445.29	2.3731+01	3.9548+00	1.2210-02	3.9548+00	1.2210-02	8.4873-03	1.9306-01	2.4973+05	3.0968-03	1.3070+00
4	453.59	2.9961+01	5.0215+00	1.5599-02	5.0215+00	1.5599-02	1.0843-02	2.4665-01	3.1906+05	3.9579-03	1.6410+00
5	457.22	2.1570+01	3.7936+00	1.1817-02	3.7936+00	1.1817-02	8.2142-03	1.8684-01	2.4170+05	2.9987-03	1.7720+00
6	468.75	5.5356+00	9.2362-01	2.9020-03	9.2362-01	2.9020-03	2.0173-03	4.5886-02	5.9357+04	7.3679-04	2.4660+00
7	440.53	2.6769+00	4.3684-01	1.3439-03	4.3684-01	1.3439-03	9.3421-04	2.1250-02	2.7488+04	3.4080-04	3.0090+00
8	428.80	4.2592+00	6.8323-01	2.0839-03	6.8323-01	2.0839-03	1.4486-03	3.2950-02	4.2623+04	5.2819-04	3.3930+00
9	428.32	4.3049+00	6.9033-01	2.1048-03	6.9033-01	2.1048-03	1.4631-03	3.3280-02	4.3051+04	5.3348-04	3.7770+00
10	456.28	4.0203+00	6.5925-01	2.0520-03	6.5925-01	2.0520-03	1.4264-03	3.2446-02	4.1972+04	5.2072-04	5.3230+00
14	439.37	2.2753+01	3.7763+00	1.1608-02	3.7763+00	1.1608-02	8.0690-03	1.8354-01	2.3742+05	2.9435-03	1.0880+00
15	457.48	5.2355+01	8.7981+00	2.7410-02	8.7981+00	2.7410-02	1.9054-02	4.3341-01	5.6064+05	6.9559-03	1.3070+00
16	464.38	5.7304+01	9.6747+00	3.0298-02	9.6747+00	3.0298-02	2.1061-02	4.7906-01	6.1970+05	7.6909-03	1.6410+00
19	451.72	4.9979+00	7.6076-01	2.3600-03	7.6076-01	2.3600-03	1.6405-03	3.7315-02	4.8270+04	5.9874-04	4.1100-01
20	448.28	1.4916+01	2.3744+00	7.3469-03	2.3744+00	7.3469-03	5.1071-03	1.1617-01	1.5027+05	1.8637-03	7.1100-01
21	444.85	2.8801+01	4.6439+00	1.4333-02	4.6439+00	1.4333-02	9.9631-03	2.2662-01	2.9315+05	3.6352-03	1.0880+00
22	458.48	6.0530+01	9.9109+00	3.0901-02	9.9109+00	3.0901-02	2.1480-02	4.8859-01	6.3203+05	7.8419-03	1.3070+00
23	511.07	1.5377-01	2.5668-02	8.3318-05	2.5668-02	8.3318-05	5.7917-05	1.3174-03	1.7041+03	2.1192-05	1.6410+00
24	452.23	1.4732+00	2.4020-01	7.4540-04	2.4020-01	7.4540-04	5.1816-04	1.1786-02	1.5246+04	1.8912-04	3.0090+00
25	444.36	1.4468+00	2.2897-01	7.0642-04	2.2897-01	7.0642-04	4.9106-04	1.1170-02	1.4449+04	1.7917-04	3.3930+00
26	440.43	1.4223+00	2.2568-01	6.9486-04	2.2568-01	6.9486-04	4.8302-04	1.0987-02	1.4212+04	1.7621-04	3.7770+00
27	470.61	4.5322+01	7.3243+00	2.3045-02	7.3243+00	2.3045-02	1.6020-02	3.6439-01	4.7136+05	5.8514-03	7.1100-01
28	457.96	4.8209+01	7.8434+00	2.4445-02	7.8434+00	2.4445-02	1.6992-02	3.8652-01	4.9999+05	6.2035-03	1.0880+00
29	463.41	5.8380+01	9.6772+00	3.0284-02	9.6772+00	3.0284-02	2.1051-02	4.7884-01	6.1941+05	7.6869-03	1.3070+00
30	462.81	5.3668+01	8.9189+00	2.7898-02	8.9189+00	2.7898-02	1.9393-02	4.4112-01	5.7062+05	7.0813-03	1.6410+00
31	454.01	2.3869+01	4.0016+00	1.2435-02	4.0016+00	1.2435-02	8.6436-03	1.9661-01	2.5433+05	3.1550-03	1.7720+00
32	473.38	3.7834+00	6.3321-01	1.9966-03	6.3321-01	1.9966-03	1.3879-03	3.1569-02	4.0837+04	5.0700-04	2.4660+00
33	450.93	2.5216+00	4.1692-01	1.2926-03	4.1692-01	1.2926-03	8.9851-04	2.0438-02	2.6438+04	3.2792-04	3.0090+00
34	440.01	2.0197+00	3.2654-01	1.0042-03	3.2654-01	1.0042-03	6.9806-04	1.5878-02	2.0540+04	2.5465-04	3.3930+00
35	437.21	2.0395+00	3.1525-01	9.6750-04	3.1525-01	9.6750-04	6.7254-04	1.5298-02	1.9789+04	2.4531-04	3.7770+00
36	472.81	6.3701+01	1.0499+01	3.3090-02	1.0499+01	3.3090-02	2.3002-02	5.2321-01	6.7681+05	8.4027-03	1.3070+00
37	474.72	5.3704+00	9.1030-01	2.8731-03	9.1030-01	2.8731-03	1.9972-03	4.5430-02	5.8766+04	7.2964-04	2.4660+00
38	448.71	2.4499+00	3.9847-01	1.2333-03	3.9847-01	1.2333-03	8.5732-04	1.9501-02	2.5226+04	3.1286-04	3.0090+00
39	436.87	2.4457+00	3.9218-01	1.2033-03	3.9218-01	1.2033-03	8.3643-04	1.9026-02	2.4611+04	3.0509-04	3.3930+00
40	436.12	2.4504+00	3.8916-01	1.1934-03	3.8916-01	1.1934-03	8.2954-04	1.8869-02	2.4408+04	3.0257-04	3.7770+00
41	443.73	2.0343+00	3.1786-01	9.8020-04	3.1786-01	9.8020-04	6.8137-04	1.5499-02	2.0049+04	2.4860-04	4.1620+00
43	457.99	1.7127+00	2.8455-01	8.8685-04	2.8455-01	8.8685-04	6.1648-04	1.4023-02	1.8139+04	2.2506-04	5.3230+00
47	449.01	6.7205+00	1.0802+00	3.3441-03	1.0802+00	3.3441-03	2.3246-03	5.2876-02	6.8399+04	8.4832-04	7.1100-01
48	438.09	1.4010+01	2.2757+00	6.9885-03	2.2757+00	6.9885-03	4.8579-03	1.1050-01	1.4294+05	1.7720-03	1.0880+00
49	452.17	3.7272+01	6.1496+00	1.9083-02	6.1496+00	1.9083-02	1.3265-02	3.0174-01	3.9032+05	4.8416-03	1.3070+00
50	473.92	4.7198+01	7.9492+00	2.5075-02	7.9492+00	2.5075-02	1.7430-02	3.9647-01	5.1287+05	6.3675-03	1.6410+00
51	463.15	1.9685+01	3.3207+00	1.0390-02	3.3207+00	1.0390-02	7.2222-03	1.6428-01	2.1251+05	2.6372-03	1.7720+00
52	468.63	1.8426+00	3.1198-01	9.8014-04	3.1198-01	9.8014-04	6.8133-04	1.5498-02	2.0047+04	2.4885-04	2.4660+00
53	445.10	2.4919+00	4.0431-01	1.2480-03	4.0431-01	1.2480-03	8.6756-04	1.9734-02	2.5527+04	3.1655-04	3.0090+00
54	436.71	2.6966+00	4.2975-01	1.3184-03	4.2975-01	1.3184-03	9.1646-04	2.0846-02	2.6966+04	3.3428-04	3.3930+00
55	438.13	2.1314+00	3.3381-01	1.0251-03	3.3381-01	1.0251-03	7.1261-04	1.6209-02	2.0968+04	2.5994-04	3.7770+00
56	452.78	8.8624-01	1.3630-01	4.2315-04	1.3630-01	4.2315-04	2.9415-04	6.6908-03	8.6550+03	1.0736-04	4.1100-01
57	447.12	3.4265+00	5.4667-01	1.6901-03	5.4667-01	1.6901-03	1.1748-03	2.6723-02	3.4568+04	4.2870-04	7.1100-01
58	438.86	4.7579+00	7.7323-01	2.3759-03	7.7323-01	2.3759-03	1.6516-03	3.7567-02	4.8596+04	6.0246-04	1.0880+00
59	435.63	6.4722+00	1.0526+00	3.2266-03	1.0526+00	3.2266-03	2.2429-03	5.1019-02	6.5996+04	8.1807-04	1.3070+00
60	458.77	2.9475+01	4.8851+00	1.5234-02	4.8851+00	1.5234-02	1.0590-02	2.4088-01	3.1159+05	3.8661-03	1.6410+00
61	440.27	1.5455+00	2.4916-01	7.6638-04	2.4916-01	7.6638-04	5.3273-04	1.2118-02	1.5675+04	1.9434-04	3.0090+00
62	433.22	2.1642+00	3.4405-01	1.0528-03	3.4405-01	1.0528-03	7.3182-04	1.6646-02	2.1533+04	2.6689-04	3.3930+00
63	438.59	2.5875+00	4.0537-01	1.2453-03	4.0537-01	1.2453-03	8.6567-04	1.9691-02	2.5472+04	3.1578-04	3.7770+00
64	433.35	2.7740+00	4.5848-01	1.4030-03	4.5848-01	1.4030-03	9.7530-04	2.2185-02	2.8697+04	3.5569-04	1.0880+00
65	429.78	3.3782+00	5.5693-01	1.6999-03	5.5693-01	1.6999-03	1.1816-03	2.6878-02	3.4769+04	4.3088-04	1.3070+00
66	442.53	6.1610+00	1.0248+00	3.1574-03	1.0248+00	3.1574-03	2.1948-03	4.9924-02	6.4580+04	8.0075-04	1.6410+00
69	448.30	8.5559-01	1.4288-01	4.4211-04	1.4288-01	4.4211-04	3.0732-04	6.9905-03	9.0427+03	1.1215-04	4.1100-01
70	437.52	1.1335+00	1.8789-01	5.7674-04	1.8789-01	5.7674-04	4.0091-04	9.1193-03	1.1796+04	1.4624-04	7.1100-01
71	434.42	1.9148+00	3.1578-01	9.6712-04	3.1578-01	9.6712-04	6.7228-04	1.5292-02	1.9781+04	2.4519-04	1.3070+00
72	445.31	3.2660+00	5.4429-01	1.6804-03	5.4429-01	1.6804-03	1.1681-03	2.6570-02	3.4371+04	4.2622-04	1.6410+00
73	451.09	1.3740+00	2.2116-01	6.8574-04	2.2116-01	6.8574-04	4.7668-04	1.0843-02	1.4026+04	1.7397-04	3.7770+00
74	467.40	5.8909-01	9.7328-02	3.0549-04	9.7328-02	3.0549-04	2.1236-04	4.8304-03	6.2484+03	7.7557-05	5.3230+00
77	431.18	2.9870+00	4.8860-01	1.4929-03	4.8860-01	1.4929-03	1.0377-03	2.3605-02	3.0534+04	3.7843-04	3.0090+00
78	426.47	3.6358+00	5.8577-01	1.7836-03	5.8577-01	1.7836-03	1.2398-03	2.8202-02	3.6481+04	4.5204-04	3.3930+00
79	433.33	3.2296+00	5.1348-01	1.5713-03	5.1348-01	1.5713-03	1.0923-03	2.4846-02	3.2140+04	3.9835-04	3.7770+00
80	468.11	6.0390+00	1.0251+00	3.2193-03	1.0251+00	3.2193-03	2.2379-03	5.0903-02	6.5847+04	8.1733-04	2.4660+00
81	436.04	2.9797+00	4.8907-01	1.4996-03	4.8907-01	1.4996-03	1.0425-03	2.3712-02	3.0673+04	3.8022-04	3.0090+00
82	426.11	3.3247+00	5.3710-01	1.6350-03	5.3710-01	1.6350-03	1.1365-03	2.5852-02	3.3441+04	4.1436-04	3.3930+00
83	428.95	3.3403+00	5.3587-01	1.6346-03	5.3587-01	1.6346-03	1.1363-03	2.5846-02	3.3434+04	4.1432-04	3.7770+00
337	503.60	1.8938+01	3.5971+00	1.1608-02	3.5971+00	1.1608-02	8.0692-03	1.8355-01	2.3743+05	2.9516-03	7.1680+00
339	496.46	6.9771+00	1.3474+00	4.3240-03	1.3474+00	4.3240-03	3.0058-03	6.8370-02	8.8442+04	1.0991-03	8.1130+00
340	471.02	1.7361+00	3.2282-01	1.0161-03	3.2282-01	1.0161-03	7.0630-04	1.6066-02	2.0782+04	2.5799-04	8.6180+00
342	499.81	1.6395+01	3.2061+00	1.0316-02	3.2061+00	1.0316-02	7.1709-03	1.6311-01	2.1100+05	2.6225-03	7.1680+00
344	498.24	6.3294+00	1.2300+00	3.9530-03	1.2300+00	3.9530-03	2.7478-03	6.2503-02	8.0852+04	1.0049-03	8.1130+00
347	497.96	1.3399+01	2.5359+00	8.1477-03	2.5359+00	8.1477-03	5.6638-03	1.2883-01	1.6665+05	2.0712-03	7.1680+00
349	494.31	7.0696+00	1.3669+00	4.3794-03	1.3669+00	4.3794-03	3.0442-03	6.9246-02	8.9574+04	1.1131-03	8.1130+00
350	470.53	1.5709+00	2.7566-01	8.6729-04	2.7566-01	8.6729-04	6.0288-04	1.3713-02	1.7739+04	2.2021-04	8.6180+00
352	505.04	1.2439+01	2.3082+00	7.4572-03	2.3082+00	7.4572-03	5.1837-03	1.1791-01	1.5253+05	1.8962-03	7.1680+00
354	504.59	7.7257+00	1.4997+00	4.8434-03	1.4997+00	4.8434-03	3.3668-03	7.6582-02	9.9064+04	1.2316-03	8.1130+00
357	500.69	2.1886+00	4.0387-01	1.3004-03	4.0387-01	1.3004-03	9.0392-04	2.0561-02	2.6597+04	3.3060-04	7.1680+00
359	502.95	3.1532+00	5.7155-01	1.8435-03	5.7155-01	1.8435-03	1.2815-03	2.9149-02	3.7706+04	4.6872-04	8.1130+00
401	460.61	1.2805+01	1.0656+00	3.3277-03	1.0656+00	3.3277-03	2.3132-03	5.2616-02	6.8063+04	8.4457-04	4.5500-01
403	482.23	3.6973+01	3.0845+00	9.7914-03	3.0845+00	9.7914-03	6.8063-03	1.5482-01	2.0027+05	2.4873-03	6.8600-01
404	129.59	-5.0821+01	-3.1663+00	-7.9344-03	-3.1663+00	-7.9344-03	-5.5154-03	-1.2546-01	-1.6229+05	-1.9880-03	8.0100-01
405	506.10	6.6692+01	5.6504+00	1.8270-02	5.6504+00	1.8270-02	1.2700-02	2.8888-01	3.7368+05	4.6459-03	1.0510+00
406	501.05	7.5804+01	6.4400+00	2.0741-02	6.4400+00	2.0741-02	1.4418-02	3.2796-01	4.2423+05	5.2732-03	1.1670+00
407	518.26	9.3507+01	8.1746+00	2.6684-02	8.1746+00	2.6684-02	1.8549-02	4.2193-01	5.4579+05	6.7893-03	1.2830+00
408	467.01	1.9533+01	1.5939+00	5.0014-03	1.5939+00	5.0014-03	3.4767-03	7.9081-02	1.0230+05	1.2697-03	5.1300-01
409	452.28	3.7875+00	3.1155-01	9.6687-04	3.1155-01	9.6687-04	6.7211-04	1.5288-02	1.9776+04	2.4531-04	5.7000-01
410	466.43	1.9455+01	1.5580+00	4.8868-03	1.5580+00	4.8868-03	3.3970-03	7.7269-02	9.9952+04	1.2406-03	6.2800-01
411	454.75	5.2104+00	4.2931-01	1.3348-03	4.2931-01	1.3348-03	9.2786-04	2.1105-02	2.7301+04	3.3869-04	6.8600-01
412	478.16	2.6270+01	2.1857+00	6.9166-03	2.1857+00	6.9166-03	4.8080-03	1.0936-01	1.4147+05	1.7568-03	7.4400-01
413	451.94	6.8873+00	5.6977-01	1.7678-03	5.6977-01	1.7678-03	1.2288-03	2.7952-02	3.6158+04	4.4851-04	8.0100-01
414	482.01	4.4767+01	3.7341+00	1.1851-02	3.7341+00	1.1851-02	8.2383-03	1.8739-01	2.4241+05	3.0106-03	8.5900-01
415	453.26	9.5460+00	7.8575-01	2.4403-03	7.8575-01	2.4403-03	1.6963-03	3.8585-02	4.9913+04	6.1916-04	9.1700-01
416	471.61	1.9182+01	1.4844+00	4.6741-03	1.4844+00	4.6741-03	3.2491-03	7.3905-02	9.5601+04	1.1868-03	5.7000-01
417	496.34	6.2248+01	5.2409+00	1.6818-02	5.2409+00	1.6818-02	1.1691-02	2.6592-01	3.4399+05	4.2749-03	1.0520+00

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21 1 8.96 -5.04 .00 -.00 402 11 2.35 16.09 461.2 1722.2

8.37481+01 9.86110-03 7.03307-01 4.52631+03 9.87898-06 6.78360-08 5.53006-02 7.72000+00 7.00607-06 7.47486-02

1	444.96	5.8369+00	9.7250-01	2.9999-03	9.7250-01	2.9999-03	2.0852-03	4.7434-02	6.1367+04	7.6144-04	4.1100-01
2	466.61	3.8805+01	6.5613+00	2.0570-02	6.5613+00	2.0570-02	1.4298-02	3.2525-01	4.2079+05	5.2259-03	7.1100-01
3	451.33	2.4273+01	4.0620+00	1.2590-02	4.0620+00	1.2590-02	8.7508-03	1.9906-01	2.5753+05	3.1963-03	1.3070+00
4	461.25	3.0740+01	5.1789+00	1.6171-02	5.1789+00	1.6171-02	1.1240-02	2.5569-01	3.3079+05	4.1073-03	1.6410+00
5	462.61	2.1661+01	3.8235+00	1.1951-02	3.8235+00	1.1951-02	8.3070-03	1.8897-01	2.4447+05	3.0357-03	1.7720+00
6	470.17	5.8000+00	9.6866-01	3.0450-03	9.6866-01	3.0450-03	2.1165-03	4.8146-02	6.2288+04	7.7370-04	2.4660+00
7	441.18	2.7029+00	4.4128-01	1.3574-03	4.4128-01	1.3574-03	9.4352-04	2.1463-02	2.7768+04	3.4449-04	3.0090+00
8	429.87	4.2706+00	6.8558-01	2.0914-03	6.8558-01	2.0914-03	1.4537-03	3.3069-02	4.2783+04	5.3052-04	3.3930+00
9	429.40	4.3236+00	6.9385-01	2.1160-03	6.9385-01	2.1160-03	1.4708-03	3.3457-02	4.3285+04	5.3672-04	3.7770+00
10	457.27	3.9932+00	6.5526-01	2.0399-03	6.5526-01	2.0399-03	1.4179-03	3.2255-02	4.1729+04	5.1804-04	5.3230+00
14	445.12	2.2689+01	3.7807+00	1.1664-02	3.7807+00	1.1664-02	8.1074-03	1.8443-01	2.3860+05	2.9605-03	1.0880+00
15	470.63	5.2428+01	8.8885+00	2.7951-02	8.8885+00	2.7951-02	1.9428-02	4.4195-01	5.7176+05	7.1022-03	1.3070+00
16	478.66	5.6682+01	9.6611+00	3.0566-02	9.6611+00	3.0566-02	2.1246-02	4.8330-01	6.2526+05	7.7694-03	1.6410+00
19	452.93	5.1221+00	7.8031-01	2.4213-03	7.8031-01	2.4213-03	1.6830-03	3.8286-02	4.9531+04	6.1479-04	4.1100-01
20	452.17	1.5754+01	2.5145+00	7.7982-03	2.5145+00	7.7982-03	5.4204-03	1.2330-01	1.5952+05	1.9799-03	7.1100-01
21	452.00	2.8634+01	4.6397+00	1.4387-02	4.6397+00	1.4387-02	1.0000-02	2.2749-01	2.9431+05	3.6529-03	1.0880+00
22	473.56	6.0117+01	9.9434+00	3.1337-02	9.9434+00	3.1337-02	2.1782-02	4.9550-01	6.4104+05	7.9637-03	1.3070+00
23	511.15	1.5376-01	2.5669-02	8.3272-05	2.5669-02	8.3272-05	5.7881-05	1.3167-03	1.7034+03	2.1196-05	1.6410+00
24	452.63	1.7221+00	2.8085-01	8.7129-04	2.8085-01	8.7129-04	6.0562-04	1.3777-02	1.7823+04	2.2122-04	3.0090+00
25	444.71	1.4322+00	2.2672-01	6.9926-04	2.2672-01	6.9926-04	4.8605-04	1.1057-02	1.4304+04	1.7748-04	3.3930+00
26	440.80	1.4629+00	2.3237-01	7.1461-04	2.3237-01	7.1461-04	4.9671-04	1.1299-02	1.4618+04	1.8135-04	3.7770+00
27	481.69	4.3746+01	7.1217+00	2.2584-02	7.1217+00	2.2584-02	1.5698-02	3.5709-01	4.6198+05	5.7412-03	7.1100-01
28	470.29	4.8713+01	7.9913+00	2.5123-02	7.9913+00	2.5123-02	1.7463-02	3.9724-01	5.1392+05	6.3836-03	1.0880+00
29	478.01	5.8215+01	9.7442+00	3.0813-02	9.7442+00	3.0813-02	2.1418-02	4.8721-01	6.3032+05	7.8321-03	1.3070+00
30	476.04	5.2838+01	8.8591+00	2.7973-02	8.8591+00	2.7973-02	1.9443-02	4.4230-01	5.7221+05	7.1094-03	1.6410+00
31	459.99	2.4228+01	4.0784+00	1.2722-02	4.0784+00	1.2722-02	8.8432-03	2.0117-01	2.6025+05	3.2313-03	1.7720+00
32	474.33	3.7875+00	6.3431-01	2.0002-03	6.3431-01	2.0002-03	1.3903-03	3.1627-02	4.0917+04	5.0834-04	2.4660+00
33	451.55	2.2691+00	3.7533-01	1.1635-03	3.7533-01	1.1635-03	8.0872-04	1.8397-02	2.3800+04	2.9540-04	3.0090+00
34	440.51	1.9979+00	3.2313-01	9.9349-04	3.2313-01	9.9349-04	6.9056-04	1.5709-02	2.0323+04	2.5212-04	3.3930+00
35	437.73	2.0649+00	3.1931-01	9.7973-04	3.1931-01	9.7973-04	6.8100-04	1.5491-02	2.0042+04	2.4860-04	3.7770+00
36	488.73	6.2043+01	1.0334+01	3.2946-02	1.0334+01	3.2946-02	2.2901-02	5.2094-01	6.7396+05	8.3781-03	1.3070+00
37	476.07	5.4732+00	9.2857-01	2.9320-03	9.2857-01	2.9320-03	2.0380-03	4.6361-02	5.9978+04	7.4519-04	2.4660+00
38	449.35	2.4255+00	3.9467-01	1.2214-03	3.9467-01	1.2214-03	8.4899-04	1.9313-02	2.4986+04	3.1008-04	3.0090+00
39	437.44	2.2026+00	3.5333-01	1.0839-03	3.5333-01	1.0839-03	7.5341-04	1.7138-02	2.2172+04	2.7503-04	3.3930+00
40	436.73	2.3777+00	3.7777-01	1.1583-03	3.7777-01	1.1583-03	8.0509-04	1.8314-02	2.3694+04	2.9389-04	3.7770+00
41	444.27	2.0322+00	3.1765-01	9.7937-04	3.1765-01	9.7937-04	6.8075-04	1.5486-02	2.0034+04	2.4858-04	4.1620+00
43	458.44	1.7865+00	2.9690-01	9.2509-04	2.9690-01	9.2509-04	6.4302-04	1.4627-02	1.8924+04	2.3494-04	5.3230+00
47	450.57	6.1517+00	9.8980-01	3.0660-03	9.8980-01	3.0660-03	2.1311-03	4.8479-02	6.2719+04	7.7840-04	7.1100-01
48	441.54	1.4066+01	2.2902+00	7.0468-03	2.2902+00	7.0468-03	4.8981-03	1.1142-01	1.4415+05	1.7884-03	1.0880+00
49	461.33	3.6706+01	6.0941+00	1.9030-02	6.0941+00	1.9030-02	1.3227-02	3.0089-01	3.8927+05	4.8334-03	1.3070+00
50	485.75	4.6732+01	7.9322+00	2.5232-02	7.9322+00	2.5232-02	1.7539-02	3.9897-01	5.1616+05	6.4156-03	1.6410+00
51	468.17	2.0110+01	3.4039+00	1.0684-02	3.4039+00	1.0684-02	7.4262-03	1.6893-01	2.1855+05	2.7144-03	1.7720+00
52	469.09	1.9034+00	3.2237-01	1.0125-03	3.2237-01	1.0125-03	7.0379-04	1.6010-02	2.0712+04	2.5726-04	2.4660+00
53	445.74	2.5413+00	4.1249-01	1.2732-03	4.1249-01	1.2732-03	8.8497-04	2.0131-02	2.6044+04	3.2317-04	3.0090+00
54	437.38	2.7834+00	4.4378-01	1.3613-03	4.4378-01	1.3613-03	9.4623-04	2.1525-02	2.7847+04	3.4542-04	3.3930+00
55	438.67	2.1901+00	3.4313-01	1.0536-03	3.4313-01	1.0536-03	7.3233-04	1.6659-02	2.1552+04	2.6735-04	3.7770+00
56	453.06	7.8597-01	1.2090-01	3.7520-04	1.2090-01	3.7520-04	2.6080-04	5.9326-03	7.6752+03	9.5267-05	4.1100-01
57	447.96	3.3891+00	5.4102-01	1.6726-03	5.4102-01	1.6726-03	1.1626-03	2.6447-02	3.4215+04	4.2460-04	7.1100-01
58	440.03	4.7205+00	7.6778-01	2.3598-03	7.6778-01	2.3598-03	1.6403-03	3.7312-02	4.8272+04	5.9884-04	1.0880+00
59	437.26	6.5294+00	1.0631+00	3.2608-03	1.0631+00	3.2608-03	2.2665-03	5.1559-02	6.6704+04	8.2739-04	1.3070+00
60	466.19	2.9479+01	4.9103+00	1.5389-02	4.9103+00	1.5389-02	1.0697-02	2.4333-01	3.1480+05	3.9096-03	1.6410+00
61	440.88	1.5590+00	2.5140-01	7.7306-04	2.5140-01	7.7306-04	5.3735-04	1.2224-02	1.5814+04	1.9618-04	3.0090+00
62	433.75	2.1860+00	3.4765-01	1.0636-03	3.4765-01	1.0636-03	7.3928-04	1.6817-02	2.1757+04	2.6983-04	3.3930+00
63	439.24	2.5569+00	4.0075-01	1.2310-03	4.0075-01	1.2310-03	8.5565-04	1.9464-02	2.5182+04	3.1238-04	3.7770+00
64	434.02	2.7720+00	4.5835-01	1.4025-03	4.5835-01	1.4025-03	9.7487-04	2.2176-02	2.8690+04	3.5582-04	1.0880+00
65	430.62	3.3995+00	5.6077-01	1.7117-03	5.6077-01	1.7117-03	1.1898-03	2.7064-02	3.5014+04	4.3419-04	1.3070+00
66	444.08	6.1906+00	1.0368+00	3.1777-03	1.0368+00	3.1777-03	2.2088-03	5.0246-02	6.5004+04	8.0654-04	1.6410+00
69	448.51	8.6078-01	1.4377-01	4.4466-04	1.4377-01	4.4466-04	3.0908-04	7.0309-03	9.0960+03	1.1288-04	4.1100-01
70	437.80	1.0722+00	1.7776-01	5.4545-04	1.7776-01	5.4545-04	3.7913-04	8.6245-03	1.1158+04	1.3840-04	7.1100-01
71	434.91	1.9164+00	3.1614-01	9.6802-04	3.1614-01	9.6802-04	6.7285-04	1.5306-02	1.9802+04	2.4560-04	1.3070+00
72	446.11	3.2343+00	5.3930-01	1.6650-03	5.3930-01	1.6650-03	1.1573-03	2.6327-02	3.4060+04	4.2264-04	1.6410+00
73	451.44	1.3018+00	2.0959-01	6.4964-04	2.0959-01	6.4964-04	4.5155-04	1.0272-02	1.3289+04	1.6494-04	3.7770+00
74	467.53	5.9429-01	9.8195-02	3.0806-04	9.8195-02	3.0806-04	2.1413-04	4.8710-03	6.3017+03	7.8267-05	5.3230+00
77	431.94	3.0722+00	5.0281-01	1.5362-03	5.0281-01	1.5362-03	1.0678-03	2.4290-02	3.1425+04	3.8971-04	3.0090+00
78	427.38	3.6358+00	5.8615-01	1.7849-03	5.8615-01	1.7849-03	1.2407-03	2.8222-02	3.6512+04	4.5271-04	3.3930+00
79	434.13	3.2068+00	5.1013-01	1.5611-03	5.1013-01	1.5611-03	1.0851-03	2.4684-02	3.1934+04	3.9606-04	3.7770+00
80	469.61	6.1553+00	1.0459+00	3.2864-03	1.0459+00	3.2864-03	2.2843-03	5.1964-02	6.7227+04	8.3503-04	2.4660+00
81	436.79	2.9699+00	4.8771-01	1.4954-03	4.8771-01	1.4954-03	1.0394-03	2.3645-02	3.0590+04	3.7944-04	3.0090+00
82	426.94	3.2634+00	5.2751-01	1.6058-03	5.2751-01	1.6058-03	1.1162-03	2.5390-02	3.2848+04	4.0727-04	3.3930+00
83	429.78	3.4125+00	5.4778-01	1.6710-03	5.4778-01	1.6710-03	1.1615-03	2.6421-02	3.4181+04	4.2385-04	3.7770+00
337	508.33	1.8895+01	3.5997+00	1.1652-02	3.5997+00	1.1652-02	8.0993-03	1.8424-01	2.3836+05	2.9656-03	7.1680+00
339	498.20	7.0535+00	1.3636+00	4.3794-03	1.3636+00	4.3794-03	3.0441-03	6.9246-02	8.9586+04	1.1141-03	8.1130+00
340	471.45	1.7668+00	3.2862-01	1.0340-03	3.2862-01	1.0340-03	7.1872-04	1.6349-02	2.1152+04	2.6275-04	8.6180+00
342	503.91	1.6382+01	3.2119+00	1.0361-02	3.2119+00	1.0361-02	7.2020-03	1.6383-01	2.1195+05	2.6366-03	7.1680+00
344	499.82	6.3299+00	1.2314+00	3.9597-03	1.2314+00	3.9597-03	2.7523-03	6.2610-02	8.1000+04	1.0074-03	8.1130+00
347	501.32	1.3605+01	2.5804+00	8.3071-03	2.5804+00	8.3071-03	5.7742-03	1.3135-01	1.6993+05	2.1136-03	7.1680+00
349	496.07	6.9247+00	1.3404+00	4.2976-03	1.3404+00	4.2976-03	2.9872-03	6.7953-02	8.7913+04	1.0932-03	8.1130+00
350	470.94	1.6062+00	2.8193-01	8.8677-04	2.8193-01	8.8677-04	6.1638-04	1.4021-02	1.8140+04	2.2533-04	8.6180+00
352	508.18	1.2440+01	2.3129+00	7.4861-03	2.3129+00	7.4861-03	5.2034-03	1.1837-01	1.5314+05	1.9053-03	7.1680+00
354	506.46	7.4883+00	1.4554+00	4.7041-03	1.4554+00	4.7041-03	3.2697-03	7.4380-02	9.6228+04	1.1971-03	8.1130+00
357	501.16	2.0010+00	3.6937-01	1.1890-03	3.6937-01	1.1890-03	8.2645-04	1.8800-02	2.4322+04	3.0252-04	7.1680+00
359	503.51	2.5340+00	4.5948-01	1.4817-03	4.5948-01	1.4817-03	1.0299-03	2.3429-02	3.0311+04	3.7704-04	8.1130+00
401	463.80	1.2603+01	1.0510+00	3.2880-03	1.0510+00	3.2880-03	2.2854-03	5.1989-02	6.7259+04	8.3522-04	4.5500-01
403	491.33	3.5575+01	2.9855+00	9.5377-03	2.9855+00	9.5377-03	6.6295-03	1.5081-01	1.9510+05	2.4257-03	6.8600-01
404	117.70	-5.2356+01	-3.2198+00	-8.0082-03	-3.2198+00	-8.0082-03	-5.5664-03	-1.2662-01	-1.6382+05	-2.0068-03	8.0100-01
405	522.28	6.3037+01	5.3955+00	1.7657-02	5.3955+00	1.7657-02	1.2273-02	2.7919-01	3.6120+05	4.4967-03	1.0510+00
406	519.92	7.3474+01	6.3172+00	2.0635-02	6.3172+00	2.0635-02	1.4343-02	3.2628-01	4.2211+05	5.2545-03	1.1670+00
407	541.19	8.9532+01	7.9389+00	2.6375-02	7.9389+00	2.6375-02	1.8333-02	4.1703-01	5.3952+05	6.7224-03	1.2830+00
408	471.67	1.8753+01	1.5350+00	4.8306-03	1.5350+00	4.8306-03	3.3577-03	7.6380-02	9.8815+04	1.2275-03	5.1300-01
409	453.21	4.1434+00	3.4104-01	1.0585-03	3.4104-01	1.0585-03	7.3575-04	1.6737-02	2.1653+04	2.6876-04	5.7000-01
410	471.36	2.0004+01	1.6073+00	5.0570-03	1.6073+00	5.0570-03	3.5151-03	7.9961-02	1.0345+05	1.2850-03	6.2800-01
411	456.07	5.4868+00	4.5249-01	1.4074-03	4.5249-01	1.4074-03	9.7828-04	2.2254-02	2.8790+04	3.5740-04	6.8600-01
412	484.52	2.7359+01	2.2859+00	7.2644-03	2.2859+00	7.2644-03	5.0494-03	1.1486-01	1.4860+05	1.8470-03	7.4400-01
413	453.76	7.7439+00	6.4143-01	1.9917-03	6.4143-01	1.9917-03	1.3844-03	3.1492-02	4.0742+04	5.0571-04	8.0100-01
414	493.39	4.5343+01	3.8104+00	1.2192-02	3.8104+00	1.2192-02	8.4745-03	1.9278-01	2.4940+05	3.1010-03	8.5900-01
415	455.74	1.0549+01	8.6979-01	2.7047-03	8.6979-01	2.7047-03	1.8800-03	4.2766-02	5.5327+04	6.8681-04	9.1700-01
416	476.32	1.9029+01	1.4771+00	4.6650-03	1.4771+00	4.6650-03	3.2426-03	7.3762-02	9.5428+04	1.1857-03	5.7000-01
417	512.09	6.2113+01	5.2825+00	1.7150-02	5.2825+00	1.7150-02	1.1920-02	2.7117-01	3.5082+05	4.3655-03	1.0520+00

21 1 6.96 -5.04 .00 -.00 402 11 2.60 10.09 461.2 1721.8

8.37301+01 9.86141-03 7.03329-01 4.52583+03 9.88141-06 6.78214-08 5.53201-02 7.72000+00 7.00436-06 7.47507-02

1	446.44	6.0359+00	1.0067+00	3.1074-03	1.0067+00	3.1074-03	2.1596-03	4.9133-02	6.3580+04	7.8932-04	4.1100-01
2	476.28	3.8306+01	6.5188+00	2.0578-02	6.5188+00	2.0578-02	1.4301-02	3.2537-01	4.2104+05	5.2338-03	7.1100-01
3	457.35	2.4250+01	4.0748+00	1.2681-02	4.0748+00	1.2681-02	8.8129-03	2.0050-01	2.5946+05	3.2226-03	1.3070+00
4	469.05	3.0924+01	5.2372+00	1.6442-02	5.2372+00	1.6442-02	1.1427-02	2.5997-01	3.3642+05	4.1806-03	1.6410+00
5	468.07	2.1634+01	3.8328+00	1.2024-02	3.8328+00	1.2024-02	8.3564-03	1.9012-01	2.4602+05	3.0571-03	1.7720+00
6	471.66	6.0904+00	1.0182+00	3.2027-03	1.0182+00	3.2027-03	2.2259-03	5.0641-02	6.5532+04	8.1443-04	2.4660+00
7	441.88	2.7751+00	4.5328-01	1.3945-03	4.5328-01	1.3945-03	9.6914-04	2.2049-02	2.8532+04	3.5415-04	3.0090+00
8	430.92	4.2338+00	6.8016-01	2.0756-03	6.8016-01	2.0756-03	1.4425-03	3.2819-02	4.2469+04	5.2689-04	3.3930+00
9	430.45	4.2629+00	6.8461-01	2.0885-03	6.8461-01	2.0885-03	1.4515-03	3.3022-02	4.2732+04	5.3014-04	3.7770+00
10	458.28	4.0488+00	6.6484-01	2.0704-03	6.6484-01	2.0704-03	1.4389-03	3.2736-02	4.2362+04	5.2618-04	5.3230+00
14	450.73	2.2677+01	3.7933+00	1.1746-02	3.7933+00	1.1746-02	8.1636-03	1.8573-01	2.4034+05	2.9843-03	1.0880+00
15	483.76	5.2136+01	8.9162+00	2.8306-02	8.9162+00	2.8306-02	1.9672-02	4.4757-01	5.7917+05	7.2018-03	1.3070+00
16	492.76	5.5784+01	9.5962+00	3.0676-02	9.5962+00	3.0676-02	2.1319-02	4.8504-01	6.2766+05	7.8078-03	1.6410+00
19	454.24	5.2847+00	8.0580-01	2.5018-03	8.0580-01	2.5018-03	1.7387-03	3.9558-02	5.1189+04	6.3571-04	4.1100-01
20	456.15	1.6248+01	2.6003+00	8.0847-03	2.6003+00	8.0847-03	5.6188-03	1.2783-01	1.6542+05	2.0545-03	7.1100-01
21	459.08	2.8431+01	4.6291+00	1.4424-02	4.6291+00	1.4424-02	1.0025-02	2.2807-01	2.9513+05	3.6659-03	1.0880+00
22	488.59	5.9512+01	9.9411+00	3.1677-02	9.9411+00	3.1677-02	2.2015-02	5.0087-01	6.4814+05	8.0611-03	1.3070+00
23	511.15	9.7663-02	1.6304-02	5.2866-05	1.6304-02	5.2866-05	3.6742-05	8.3591-04	1.0817+03	1.3467-05	1.6410+00
24	453.09	1.8239+00	2.9754-01	9.2299-04	2.9754-01	9.2299-04	6.4147-04	1.4594-02	1.8885+04	2.3452-04	3.0090+00
25	445.06	1.4665+00	2.3221-01	7.1604-04	2.3221-01	7.1604-04	4.9764-04	1.1322-02	1.4651+04	1.8188-04	3.3930+00
26	441.16	1.5397+00	2.4465-01	7.5222-04	2.4465-01	7.5222-04	5.2278-04	1.1894-02	1.5391+04	1.9103-04	3.7770+00
27	492.50	4.2548+01	6.9756+00	2.2294-02	6.9756+00	2.2294-02	1.5494-02	3.5251-01	4.5617+05	5.6744-03	7.1100-01
28	482.43	4.8075+01	7.9504+00	2.5214-02	7.9504+00	2.5214-02	1.7524-02	3.9868-01	5.1591+05	6.4148-03	1.0880+00
29	492.55	5.7668+01	9.7449+00	3.1146-02	9.7449+00	3.1146-02	2.1646-02	4.9248-01	6.3729+05	7.9275-03	1.3070+00
30	489.23	5.2085+01	8.8086+00	2.8082-02	8.8086+00	2.8082-02	1.9517-02	4.4402-01	5.7459+05	7.1465-03	1.6410+00
31	466.18	2.4804+01	4.1928+00	1.3134-02	4.1928+00	1.3134-02	9.1283-03	2.0768-01	2.6874+05	3.3392-03	1.7720+00
32	475.30	3.9777+00	6.6658-01	2.1026-03	6.6658-01	2.1026-03	1.4613-03	3.3245-02	4.3021+04	5.3475-04	2.4660+00
33	452.06	2.2125+00	3.6610-01	1.1348-03	3.6610-01	1.1348-03	7.8866-04	1.7943-02	2.3219+04	2.8832-04	3.0090+00
34	441.00	2.0005+00	3.2365-01	9.9503-04	3.2365-01	9.9503-04	6.9154-04	1.5733-02	2.0359+04	2.5270-04	3.3930+00
35	438.24	2.0197+00	3.1243-01	9.5856-04	3.1243-01	9.5856-04	6.6619-04	1.5157-02	1.9613+04	2.4341-04	3.7770+00
36	503.90	5.9852+01	1.0067+01	3.2459-02	1.0067+01	3.2459-02	2.2559-02	5.1323-01	6.6415+05	8.2657-03	1.3070+00
37	477.45	5.5153+00	9.3656-01	2.9590-03	9.3656-01	2.9590-03	2.0565-03	4.6787-02	6.0545+04	7.5265-04	2.4660+00
38	449.95	2.4462+00	3.9821-01	1.2324-03	3.9821-01	1.2324-03	8.5651-04	1.9486-02	2.5216+04	3.1310-04	3.0090+00
39	438.00	2.3423+00	3.7590-01	1.1531-03	3.7590-01	1.1531-03	8.0139-04	1.8232-02	2.3594+04	2.9280-04	3.3930+00
40	437.30	2.3216+00	3.6900-01	1.1314-03	3.6900-01	1.1314-03	7.8629-04	1.7889-02	2.3149+04	2.8727-04	3.7770+00
41	444.75	1.9855+00	3.1045-01	9.5708-04	3.1045-01	9.5708-04	6.6516-04	1.5133-02	1.9583+04	2.4310-04	4.1620+00
43	458.88	1.7319+00	2.8792-01	8.9700-04	2.8792-01	8.9700-04	6.2341-04	1.4183-02	1.8354+04	2.2797-04	5.3230+00
47	452.06	5.9564+00	9.5935-01	2.9737-03	9.5935-01	2.9737-03	2.0667-03	4.7019-02	6.0845+04	7.5555-04	7.1100-01
48	445.09	1.4384+01	2.3477+00	7.2396-03	2.3477+00	7.2396-03	5.0314-03	1.1447-01	1.4813+05	1.8389-03	1.0880+00
49	470.52	3.6527+01	6.1018+00	1.9177-02	6.1018+00	1.9177-02	1.3328-02	3.0323-01	3.9239+05	4.8764-03	1.3070+00
50	497.35	4.6108+01	7.8854+00	2.5296-02	7.8854+00	2.5296-02	1.7581-02	3.9998-01	5.1759+05	6.4399-03	1.6410+00
51	473.23	2.0357+01	3.4574+00	1.0889-02	3.4574+00	1.0889-02	7.5674-03	1.7217-01	2.2279+05	2.7691-03	1.7720+00
52	469.58	1.9262+00	3.2634-01	1.0249-03	3.2634-01	1.0249-03	7.1232-04	1.6206-02	2.0971+04	2.6061-04	2.4660+00
53	446.38	2.6343+00	4.2778-01	1.3204-03	4.2778-01	1.3204-03	9.1766-04	2.0878-02	2.7017+04	3.3540-04	3.0090+00
54	438.10	2.7299+00	4.3547-01	1.3359-03	4.3547-01	1.3359-03	9.2846-04	2.1123-02	2.7335+04	3.3923-04	3.3930+00
55	439.23	2.1673+00	3.3969-01	1.0430-03	3.3969-01	1.0430-03	7.2484-04	1.6491-02	2.1340+04	2.6485-04	3.7770+00
56	453.12	4.9248-01	7.5758-02	2.3501-04	7.5758-02	2.3501-04	1.6333-04	3.7160-03	4.8086+03	5.9714-05	4.1100-01
57	448.80	3.5034+00	5.5959-01	1.7303-03	5.5959-01	1.7303-03	1.2026-03	2.7360-02	3.5405+04	4.3958-04	7.1100-01
58	441.22	4.8171+00	7.8414-01	2.4111-03	7.8414-01	2.4111-03	1.6757-03	3.8124-02	4.9335+04	6.1233-04	1.0880+00
59	438.90	6.6426+00	1.0828+00	3.3237-03	1.0828+00	3.3237-03	2.3099-03	5.2554-02	6.8007+04	8.4401-04	1.3070+00
60	473.52	2.9266+01	4.8986+00	1.5431-02	4.8986+00	1.5431-02	1.0724-02	2.4399-01	3.1573+05	3.9243-03	1.6410+00
61	441.07	1.5294+00	2.4670-01	7.5847-04	2.4670-01	7.5847-04	5.2713-04	1.1993-02	1.5519+04	1.9262-04	3.0090+00
62	434.30	2.2094+00	3.5150-01	1.0753-03	3.5150-01	1.0753-03	7.4735-04	1.7003-02	2.2003+04	2.7301-04	3.3930+00
63	439.87	2.5974+00	4.0728-01	1.2511-03	4.0728-01	1.2511-03	8.6950-04	1.9782-02	2.5599+04	3.1771-04	3.7770+00
64	434.71	2.8177+00	4.6613-01	1.4264-03	4.6613-01	1.4264-03	9.9136-04	2.2555-02	2.9187+04	3.6216-04	1.0880+00
65	431.46	3.3455+00	5.5219-01	1.6858-03	5.5219-01	1.6858-03	1.1716-03	2.6655-02	3.4493+04	4.2794-04	1.3070+00
66	445.63	6.2353+00	1.0394+00	3.2064-03	1.0394+00	3.2064-03	2.2284-03	5.0698-02	6.5606+04	8.1444-04	1.6410+00
69	448.74	8.5870-01	1.4344-01	4.4353-04	1.4344-01	4.4353-04	3.0825-04	7.0130-03	9.0752+03	1.1268-04	4.1100-01
70	438.07	1.0977+00	1.8201-01	5.5837-04	1.8201-01	5.5837-04	3.8806-04	8.8288-03	1.1425+04	1.4178-04	7.1100-01
71	435.38	1.8587+00	3.0673-01	9.3912-04	3.0673-01	9.3912-04	6.5268-04	1.4849-02	1.9215+04	2.3844-04	1.3070+00
72	446.90	3.1226+00	5.2096-01	1.6086-03	5.2096-01	1.6086-03	1.1180-03	2.5435-02	3.2915+04	4.0863-04	1.6410+00
73	451.76	1.0675+00	1.7190-01	5.3273-04	1.7190-01	5.3273-04	3.7024-04	8.4234-03	1.0900+04	1.3535-04	3.7770+00
74	467.69	5.4182-01	8.9535-02	2.8080-04	8.9535-02	2.8080-04	1.9515-04	4.4399-03	5.7455+03	7.1393-05	5.3230+00
77	432.71	3.0894+00	5.0589-01	1.5458-03	5.0589-01	1.5458-03	1.0743-03	2.4442-02	3.1629+04	3.9243-04	3.0090+00
78	428.29	3.5891+00	5.7898-01	1.7635-03	5.7898-01	1.7635-03	1.2256-03	2.7883-02	3.6082+04	4.4760-04	3.3930+00
79	434.94	3.2255+00	5.1339-01	1.5713-03	5.1339-01	1.5713-03	1.0921-03	2.4845-02	3.2151+04	3.9895-04	3.7770+00
80	471.18	6.3917+00	1.0872+00	3.4187-03	1.0872+00	3.4187-03	2.3760-03	5.4056-02	6.9951+04	8.6933-04	2.4660+00
81	437.53	2.9621+00	4.8668-01	1.4924-03	4.8668-01	1.4924-03	1.0372-03	2.3598-02	3.0536+04	3.7895-04	3.0090+00
82	427.75	3.2784+00	5.3024-01	1.6144-03	5.3024-01	1.6144-03	1.1220-03	2.5526-02	3.3032+04	4.0975-04	3.3930+00
83	430.64	3.3777+00	5.4252-01	1.6552-03	5.4252-01	1.6552-03	1.1504-03	2.6172-02	3.3868+04	4.2017-04	3.7770+00
337	513.03	1.8755+01	3.5839+00	1.1638-02	3.5839+00	1.1638-02	8.0884-03	1.8402-01	2.3813+05	2.9649-03	7.1680+00
339	499.97	7.1091+00	1.3759+00	4.4229-03	1.3759+00	4.4229-03	3.0739-03	6.9935-02	9.0499+04	1.1261-03	8.1130+00
340	471.89	1.7392+00	3.2359-01	1.0181-03	3.2359-01	1.0181-03	7.0755-04	1.6097-02	2.0831+04	2.5889-04	8.6180+00
342	507.99	1.6302+01	3.2045+00	1.0365-02	3.2045+00	1.0365-02	7.2038-03	1.6389-01	2.1209+05	2.6400-03	7.1680+00
344	501.39	6.3532+00	1.2372+00	3.9814-03	1.2372+00	3.9814-03	2.7670-03	6.2952-02	8.1463+04	1.0137-03	8.1130+00
347	504.75	1.3678+01	2.6000+00	8.3889-03	2.6000+00	8.3889-03	5.8302-03	1.3264-01	1.7165+05	2.1363-03	7.1680+00
349	497.81	6.8997+00	1.3370+00	4.2907-03	1.3370+00	4.2907-03	2.9820-03	6.7844-02	8.7794+04	1.0924-03	8.1130+00
350	471.32	1.5704+00	2.7571-01	8.6706-04	2.7571-01	8.6706-04	6.0260-04	1.3710-02	1.7741+04	2.2048-04	8.6180+00
352	511.30	1.2429+01	2.3154+00	7.5087-03	2.3154+00	7.5087-03	5.2185-03	1.1873-01	1.5364+05	1.9127-03	7.1680+00
354	508.31	7.4816+00	1.4558+00	4.7100-03	1.4558+00	4.7100-03	3.2734-03	7.4473-02	9.6371+04	1.1996-03	8.1130+00
357	501.66	1.9475+00	3.5961-01	1.1575-03	3.5961-01	1.1575-03	8.0445-04	1.8302-02	2.3684+04	2.9473-04	7.1680+00
359	504.14	2.4618+00	4.4657-01	1.4401-03	4.4657-01	1.4401-03	1.0009-03	2.2771-02	2.9467+04	3.6674-04	8.1130+00
401	466.91	1.2462+01	1.0414+00	3.2642-03	1.0414+00	3.2642-03	2.2686-03	5.1613-02	6.6790+04	8.2990-04	4.5500-01
403	500.00	3.4065+01	2.8749+00	9.2415-03	2.8749+00	9.2415-03	6.4227-03	1.4612-01	1.8909+05	2.3529-03	6.8600-01
404	102.83	-5.4572+01	-3.3008+00	-8.1358-03	-3.3008+00	-8.1358-03	-5.6543-03	-1.2864-01	-1.6647+05	-2.0388-03	8.0100-01
405	537.48	5.9829+01	5.1693+00	1.7114-02	5.1693+00	1.7114-02	1.1894-02	2.7061-01	3.5018+05	4.3647-03	1.0510+00
406	537.85	7.0493+01	6.1285+00	2.0296-02	6.1285+00	2.0296-02	1.4106-02	3.2092-01	4.1528+05	5.1763-03	1.1670+00
407	563.01	8.5395+01	7.6719+00	2.5929-02	7.6719+00	2.5929-02	1.8021-02	4.0999-01	5.3054+05	6.6206-03	1.2830+00
408	476.33	1.8472+01	1.5167+00	4.7878-03	1.5167+00	4.7878-03	3.3275-03	7.5704-02	9.7964+04	1.2177-03	5.1300-01
409	454.37	4.6483+00	3.8290-01	1.1889-03	3.8290-01	1.1889-03	8.2629-04	1.8799-02	2.4327+04	3.0211-04	5.7000-01
410	476.44	2.0305+01	1.6370+00	5.1681-03	1.6370+00	5.1681-03	3.5918-03	8.1716-02	1.0574+05	1.3145-03	6.2800-01
411	457.49	5.8935+00	4.8651-01	1.5141-03	4.8651-01	1.5141-03	1.0523-03	2.3941-02	3.0981+04	3.8480-04	6.8600-01
412	492.15	3.0308+01	2.5448+00	8.1312-03	2.5448+00	8.1312-03	5.6511-03	1.2857-01	1.6637+05	2.0695-03	7.4400-01
413	455.79	8.3413+00	6.9187-01	2.1506-03	6.9187-01	2.1506-03	1.4946-03	3.4004-02	4.4003+04	5.4650-04	8.0100-01
414	504.76	4.5162+01	3.8230+00	1.2335-02	3.8230+00	1.2335-02	8.5727-03	1.9504-01	2.5239+05	3.1412-03	8.5900-01
415	458.56	1.1472+01	9.4772-01	2.9519-03	9.4772-01	2.9519-03	2.0515-03	4.6675-02	6.0399+04	7.5022-04	9.1700-01
416	481.11	1.8974+01	1.4775+00	4.6812-03	1.4775+00	4.6812-03	3.2534-03	7.4017-02	9.5782+04	1.1909-03	5.7000-01
417	527.45	6.0712+01	5.2133+00	1.7123-02	5.2133+00	1.7123-02	1.1900-02	2.7074-01	3.5035+05	4.3649-03	1.0520+00

21 1 6.96 -5.04 .00 -.00 402 11 3.10 10.09 461.2 1723.0

8.37932+01 9.86034-03 7.03253-01 4.52753+03 9.87291-06 6.78725-08 5.52517-02 7.72000+00 7.01035-06 7.47431-02

1	449.63	6.4410+00	1.0766+00	3.3316-03	1.0766+00	3.3316-03	2.3166-03	5.2679-02	6.8111+04	8.4548-04	4.1100-01
2	495.09	3.7140+01	6.3986+00	2.0494-02	6.3986+00	2.0494-02	1.4250-02	3.2465-01	4.1897+05	5.2110-03	7.1100-01
3	469.64	2.4701+01	4.1851+00	1.3147-02	4.1851+00	1.3147-02	9.1412-03	2.0787-01	2.6876+05	3.3391-03	1.3070+00
4	484.37	3.0621+01	5.2369+00	1.6642-02	5.2369+00	1.6642-02	1.1572-02	2.6314-01	3.4023+05	4.2296-03	1.6410+00
5	478.78	2.1275+01	3.7961+00	1.2008-02	3.7961+00	1.2008-02	8.3493-03	1.8986-01	2.4548+05	3.0510-03	1.7720+00
6	474.82	6.3792+00	1.0687+00	3.3703-03	1.0687+00	3.3703-03	2.3434-03	5.3290-02	6.8901+04	8.5620-04	2.4660+00
7	443.29	2.9657+00	4.8490-01	1.4935-03	4.8490-01	1.4935-03	1.0385-03	2.3615-02	3.0533+04	3.7891-04	3.0090+00
8	433.03	4.2088+00	6.7716-01	2.0700-03	6.7716-01	2.0700-03	1.4393-03	3.2730-02	4.2318+04	5.2494-04	3.3930+00
9	432.60	4.2436+00	6.8255-01	2.0858-03	6.8255-01	2.0858-03	1.4503-03	3.2980-02	4.2641+04	5.2894-04	3.7770+00
10	460.29	3.9200+00	6.4456-01	2.0105-03	6.4456-01	2.0105-03	1.3980-03	3.1790-02	4.1103+04	5.1045-04	5.3230+00
14	462.10	2.3276+01	3.9237+00	1.2256-02	3.9237+00	1.2256-02	8.5216-03	1.9378-01	2.5055+05	3.1118-03	1.0880+00
15	509.57	5.1362+01	8.9313+00	2.8929-02	8.9313+00	2.8929-02	2.0115-02	4.5742-01	5.9142+05	7.3604-03	1.3070+00
16	520.06	5.3471+01	9.3596+00	3.0567-02	9.3596+00	3.0567-02	2.1254-02	4.8332-01	6.2490+05	7.7806-03	1.6410+00
19	456.93	5.3273+00	8.1378-01	2.5320-03	8.1378-01	2.5320-03	1.7606-03	4.0035-02	5.1763+04	6.4276-04	4.1100-01
20	464.58	1.7385+01	2.7983+00	8.7568-03	2.7983+00	8.7568-03	6.0888-03	1.3846-01	1.7902+05	2.2237-03	7.1100-01
21	473.35	2.8643+01	4.7684+00	1.4832-02	4.7684+00	1.4832-02	1.0313-02	2.3452-01	3.0322+05	3.7678-03	1.0880+00
22	517.91	5.7831+01	9.8432+00	3.2092-02	9.8432+00	3.2092-02	2.2314-02	5.0743-01	6.5608+05	8.1680-03	1.3070+00
23	511.21	9.7140-02	1.6217-02	5.2596-05	1.6217-02	5.2596-05	3.6571-05	8.3163-04	1.0752+03	1.3383-05	1.6410+00
24	454.02	1.8566+00	3.0307-01	9.4095-04	3.0307-01	9.4095-04	6.5426-04	1.4878-02	1.9236+04	2.3883-04	3.0090+00
25	445.86	1.5465+00	2.4561-01	7.5607-04	2.4561-01	7.5607-04	5.2572-04	1.1955-02	1.5457+04	1.9184-04	3.3930+00
26	441.97	1.5382+00	2.4453-01	7.5244-04	2.4453-01	7.5244-04	5.2319-04	1.1897-02	1.5383+04	1.9089-04	3.7770+00
27	513.04	3.9428+01	6.5497+00	2.1273-02	6.5497+00	2.1273-02	1.4792-02	3.3636-01	4.3489+05	5.4132-03	7.1100-01
28	506.08	4.6842+01	7.8658+00	2.5409-02	7.8658+00	2.5409-02	1.7668-02	4.0176-01	5.1945+05	6.4637-03	1.0880+00
29	520.98	5.5861+01	9.6121+00	3.1414-02	9.6121+00	3.1414-02	2.1843-02	4.9672-01	6.4223+05	7.9966-03	1.3070+00
30	514.76	4.9933+01	8.5839+00	2.7917-02	8.5839+00	2.7917-02	1.9412-02	4.4142-01	5.7073+05	7.1045-03	1.6410+00
31	478.64	2.4889+01	4.2421+00	1.3417-02	4.2421+00	1.3417-02	9.3292-03	2.1215-01	2.7429+05	3.4091-03	1.7720+00
32	477.32	4.1325+00	6.9345-01	2.1910-03	6.9345-01	2.1910-03	1.5235-03	3.4644-02	4.4793+04	5.5668-04	2.4660+00
33	453.23	2.6177+00	4.3349-01	1.3450-03	4.3349-01	1.3450-03	9.3525-04	2.1268-02	2.7498+04	3.4139-04	3.0090+00
34	442.02	2.1387+00	3.4625-01	1.0655-03	3.4625-01	1.0655-03	7.4085-04	1.6847-02	2.1782+04	2.7030-04	3.3930+00
35	439.23	2.0140+00	3.1176-01	9.5735-04	3.1176-01	9.5735-04	6.6567-04	1.5137-02	1.9572+04	2.4285-04	3.7770+00
36	532.82	5.6108+01	9.6099+00	3.1703-02	9.6099+00	3.1703-02	2.2044-02	5.0128-01	6.4813+05	8.0743-03	1.3070+00
37	480.22	5.4894+00	9.3386-01	2.9572-03	9.3386-01	2.9572-03	2.0562-03	4.6758-02	6.0455+04	7.5143-04	2.4660+00
38	451.17	2.2686+00	3.6960-01	1.1450-03	3.6960-01	1.1450-03	7.9618-04	1.8106-02	2.3409+04	2.9060-04	3.0090+00
39	439.21	2.2260+00	3.5752-01	1.0979-03	3.5752-01	1.0979-03	7.6337-04	1.7359-02	2.2444+04	2.7849-04	3.3930+00
40	438.45	2.3008+00	3.6599-01	1.1233-03	3.6599-01	1.1233-03	7.8103-04	1.7761-02	2.2963+04	2.8492-04	3.7770+00
41	445.74	1.9907+00	3.1147-01	9.6108-04	3.1147-01	9.6108-04	6.6826-04	1.5196-02	1.9648+04	2.4386-04	4.1620+00
43	459.73	1.7309+00	2.8791-01	8.9769-04	2.8791-01	8.9769-04	6.2419-04	1.4194-02	1.8352+04	2.2791-04	5.3230+00
47	455.05	6.1764+00	9.9585-01	3.0942-03	9.9585-01	3.0942-03	2.1515-03	4.8924-02	6.3256+04	7.8540-04	7.1100-01
48	452.33	1.4715+01	2.4137+00	7.4843-03	2.4137+00	7.4843-03	5.2040-03	1.1834-01	1.5301+05	1.8995-03	1.0880+00
49	488.60	3.5823+01	6.0559+00	1.9300-02	6.0559+00	1.9300-02	1.3420-02	3.0517-01	3.9456+05	4.9060-03	1.3070+00
50	520.11	4.4945+01	7.7985+00	2.5470-02	7.7985+00	2.5470-02	1.7710-02	4.0272-01	5.2069+05	6.4831-03	1.6410+00
51	483.52	2.0862+01	3.5672+00	1.1324-02	3.5672+00	1.1324-02	7.8741-03	1.7906-01	2.3151+05	2.8780-03	1.7720+00
52	470.54	1.9860+00	3.3668-01	1.0583-03	3.3668-01	1.0583-03	7.3589-04	1.6734-02	2.1636+04	2.6882-04	2.4660+00
53	447.75	2.7761+00	4.5123-01	1.3944-03	4.5123-01	1.3944-03	9.6956-04	2.2048-02	2.8507+04	3.5384-04	3.0090+00
54	439.40	2.6613+00	4.2491-01	1.3050-03	4.2491-01	1.3050-03	9.0739-04	2.0634-02	2.6679+04	3.3103-04	3.3930+00
55	440.30	2.1335+00	3.3464-01	1.0284-03	3.3464-01	1.0284-03	7.1510-04	1.6261-02	2.1025+04	2.6089-04	3.7770+00
56	453.58	9.7298-01	1.4972-01	4.6469-04	1.4972-01	4.6469-04	3.2311-04	7.3475-03	9.4999+03	1.1795-04	4.1100-01
57	450.58	3.3849+00	5.4132-01	1.6763-03	5.4132-01	1.6763-03	1.1656-03	2.6506-02	3.4270+04	4.2543-04	7.1100-01
58	443.66	4.9361+00	8.0487-01	2.4797-03	8.0487-01	2.4797-03	1.7242-03	3.9208-02	5.0694+04	6.2913-04	1.0880+00
59	442.24	6.7434+00	1.1018+00	3.3908-03	1.1018+00	3.3908-03	2.3577-03	5.3614-02	6.9320+04	8.6023-04	1.3070+00
60	488.07	2.8883+01	4.8810+00	1.5549-02	4.8810+00	1.5549-02	1.0812-02	2.4586-01	3.1788+05	3.9524-03	1.6410+00
61	441.83	1.5574+00	2.5135-01	7.7334-04	2.5135-01	7.7334-04	5.3773-04	1.2228-02	1.5810+04	1.9619-04	3.0090+00
62	435.41	2.2197+00	3.5343-01	1.0823-03	3.5343-01	1.0823-03	7.5253-04	1.7113-02	2.2126+04	2.7449-04	3.3930+00
63	441.17	2.5704+00	4.0341-01	1.2406-03	4.0341-01	1.2406-03	8.6260-04	1.9616-02	2.5362+04	3.1471-04	3.7770+00
64	436.15	2.8655+00	4.7451-01	1.4538-03	4.7451-01	1.4538-03	1.0109-03	2.2988-02	2.9722+04	3.6874-04	1.0880+00
65	433.14	3.3345+00	5.5103-01	1.6846-03	5.5103-01	1.6846-03	1.1713-03	2.6636-02	3.4439+04	4.2721-04	1.3070+00
66	448.76	6.2790+00	1.0489+00	3.2438-03	1.0489+00	3.2438-03	2.2555-03	5.1290-02	6.6315+04	8.2316-04	1.6410+00
69	449.16	8.4572-01	1.4131-01	4.3715-04	1.4131-01	4.3715-04	3.0396-04	6.9121-03	8.9370+03	1.1094-04	4.1100-01
70	438.59	1.1060+00	1.8346-01	5.6310-04	1.8346-01	5.6310-04	3.9154-04	8.9036-03	1.1512+04	1.4284-04	7.1100-01
71	436.26	1.7709+00	2.9243-01	8.9602-04	2.9243-01	8.9602-04	6.2303-04	1.4168-02	1.8318+04	2.2726-04	1.3070+00
72	448.46	3.1512+00	5.2629-01	1.6272-03	5.2629-01	1.6272-03	1.1315-03	2.5729-02	3.3266+04	4.1293-04	1.6410+00
73	452.17	9.4495-01	1.5221-01	4.7190-04	1.5221-01	4.7190-04	3.2813-04	7.4616-03	9.6474+03	1.1977-04	3.7770+00
74	467.94	5.3143-01	8.7833-02	2.7556-04	8.7833-02	2.7556-04	1.9160-04	4.3570-03	5.6334+03	6.9983-05	5.3230+00
77	434.25	3.1938+00	5.2355-01	1.6018-03	5.2355-01	1.6018-03	1.1138-03	2.5328-02	3.2748+04	4.0625-04	3.0090+00
78	430.05	3.4696+00	5.6040-01	1.7093-03	5.6040-01	1.7093-03	1.1885-03	2.7027-02	3.4945+04	4.3343-04	3.3930+00
79	436.53	3.2125+00	5.1189-01	1.5688-03	5.1189-01	1.5688-03	1.0908-03	2.4806-02	3.2072+04	3.9791-04	3.7770+00
80	474.46	6.5922+00	1.1238+00	3.5430-03	1.1238+00	3.5430-03	2.4635-03	5.6021-02	7.2432+04	9.0007-04	2.4660+00
81	439.01	3.0265+00	4.9778-01	1.5283-03	4.9778-01	1.5283-03	1.0627-03	2.4165-02	3.1244+04	3.8768-04	3.0090+00
82	429.38	3.2753+00	5.3035-01	1.6169-03	5.3035-01	1.6169-03	1.1242-03	2.5565-02	3.3054+04	4.0997-04	3.3930+00
83	432.31	3.2551+00	5.2344-01	1.5992-03	5.2344-01	1.5992-03	1.1120-03	2.5286-02	3.2694+04	4.0555-04	3.7770+00
337	522.38	1.8579+01	3.5710+00	1.1684-02	3.5710+00	1.1684-02	8.1240-03	1.8474-01	2.3886+05	2.9743-03	7.1680+00
339	503.54	7.1881+00	1.3944+00	4.4954-03	1.3944+00	4.4954-03	3.1258-03	7.1081-02	9.1903+04	1.1435-03	8.1130+00
340	472.78	1.8307+00	3.4080-01	1.0731-03	3.4080-01	1.0731-03	7.4616-04	1.6968-02	2.1938+04	2.7260-04	8.6180+00
342	516.17	1.6334+01	3.2274+00	1.0508-02	3.2274+00	1.0508-02	7.3064-03	1.6615-01	2.1482+05	2.6742-03	7.1680+00
344	504.57	6.4109+00	1.2510+00	4.0363-03	1.2510+00	4.0363-03	2.8065-03	6.3820-02	8.2516+04	1.0267-03	8.1130+00
347	511.64	1.3634+01	2.6029+00	8.4448-03	2.6029+00	8.4448-03	5.8719-03	1.3353-01	1.7264+05	2.1488-03	7.1680+00
349	501.23	6.9834+00	1.3562+00	4.3646-03	1.3562+00	4.3646-03	3.0348-03	6.9012-02	8.9228+04	1.1101-03	8.1130+00
350	472.12	1.5423+00	2.7093-01	8.5267-04	2.7093-01	8.5267-04	5.9288-04	1.3482-02	1.7432+04	2.1659-04	8.6180+00
352	517.52	1.2403+01	2.3197+00	7.5608-03	2.3197+00	7.5608-03	5.2572-03	1.1955-01	1.5457+05	1.9243-03	7.1680+00
354	512.04	7.4935+00	1.4615+00	4.7432-03	1.4615+00	4.7432-03	3.2981-03	7.4999-02	9.6969+04	1.2069-03	8.1130+00
357	502.60	1.8535+00	3.4246-01	1.1032-03	3.4246-01	1.1032-03	7.6712-04	1.7444-02	2.2554+04	2.8061-04	7.1680+00
359	505.32	2.3101+00	4.1936-01	1.3539-03	4.1936-01	1.3539-03	9.4138-04	2.1407-02	2.7678+04	3.4440-04	8.1130+00
401	473.05	1.2106+01	1.0159+00	3.1993-03	1.0159+00	3.1993-03	2.2246-03	5.0587-02	6.5406+04	8.1271-04	4.5500-01
403	516.33	3.1214+01	2.6617+00	8.6673-03	2.6617+00	8.6673-03	6.0766-03	1.3705-01	1.7719+05	2.2058-03	6.8600-01
404	78.24	-4.6929+01	-2.7590+00	-6.7055-03	-2.7590+00	-6.7055-03	-4.6625-03	-1.0603-01	-1.3709+05	-1.6775-03	8.0100-01
405	566.17	9.5158+01	4.8486+00	1.6432-02	4.8486+00	1.6432-02	1.1426-02	2.5982-01	3.3594+05	4.1913-03	1.0510+00
406	571.75	6.5181+01	5.7829+00	1.9689-02	5.7829+00	1.9689-02	1.3690-02	3.1131-01	4.0251+05	5.0231-03	1.1670+00
407	603.77	7.7978+01	7.1725+00	2.5082-02	7.1725+00	2.5082-02	1.7440-02	3.9659-01	5.1276+05	6.4084-03	1.2830+00
408	485.41	1.7761+01	1.4670+00	4.6639-03	1.4670+00	4.6639-03	3.2429-03	7.3745-02	9.5348+04	1.1854-03	5.1300-01
409	456.78	5.0166+00	4.1392-01	1.2877-03	4.1392-01	1.2877-03	8.9540-04	2.0361-02	2.6326+04	3.2690-04	5.7000-01
410	486.63	2.0249+01	1.6435+00	5.2297-03	1.6435+00	5.2297-03	3.6364-03	8.2691-02	1.0691+05	1.3293-03	6.2800-01
411	460.61	6.5387+00	5.4091-01	1.6876-03	5.4091-01	1.6876-03	1.1735-03	2.6664-02	3.4501+04	4.2848-04	6.8600-01
412	506.83	2.8992+01	2.4575+00	7.9430-03	2.4575+00	7.9430-03	5.5229-03	1.2559-01	1.6238+05	2.0207-03	7.4400-01
413	460.21	9.1278+00	7.5938-01	2.3686-03	7.5938-01	2.3686-03	1.6469-03	3.7451-02	4.8422+04	6.0135-04	8.0100-01
414	527.10	4.3880+01	3.7671+00	1.2371-02	3.7671+00	1.2371-02	8.6021-03	1.9561-01	2.5291+05	3.1500-03	8.5900-01
415	464.65	1.2859+01	1.0666+00	3.3380-03	1.0666+00	3.3380-03	2.3210-03	5.2780-02	6.8241+04	8.4764-04	9.1700-01
416	490.50	1.8548+01	1.4532+00	4.6382-03	1.4532+00	4.6382-03	3.2251-03	7.3338-02	9.4822+04	1.1791-03	5.7000-01
417	557.25	5.8051+01	5.0760+00	1.7078-02	5.0760+00	1.7078-02	1.1875-02	2.7003-01	3.4914+05	4.3543-03	1.0520+00

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22 1 1.90 -10.10 .00 -.00 402 11 1.90 10.09 461.4 1725.6

8.39277+01 9.86319-03 7.03462-01 4.53118+03 9.85993-06 6.79814-08 5.51351-02 7.72000+00 7.02313-06 7.47269-02

1	453.86	1.9402+01	3.2524+00	1.0073-02	3.2524+00	1.0073-02	7.0073-03	1.5933-01	2.0554+05	2.5575-03	4.1100-01
2	456.18	3.2027+01	5.3773+00	1.6682-02	5.3773+00	1.6682-02	1.1605-02	2.6421-01	3.4042+05	4.2361-03	7.1100-01
3	446.48	3.3861+01	5.6477+00	1.7395-02	5.6477+00	1.7395-02	1.2101-02	2.7550-01	3.5497+05	4.4154-03	1.3070+00
4	458.33	5.1586+01	8.6738+00	2.6952-02	8.6738+00	2.6952-02	1.8750-02	4.2686-01	5.4999+05	6.8447-03	1.6410+00
5	457.12	3.4599+01	6.0848+00	1.8890-02	6.0848+00	1.8890-02	1.3141-02	2.9918-01	3.8548+05	4.7970-03	1.7720+00
6	465.84	6.1569+00	1.0253+00	3.2038-03	1.0253+00	3.2038-03	2.2288-03	5.0741-02	6.5378+04	8.1390-04	2.4660+00
7	443.81	3.3434+00	5.4684-01	1.6810-03	5.4684-01	1.6810-03	1.1694-03	2.6623-02	3.4302+04	4.2664-04	3.0090+00
8	434.14	6.3236+00	1.0182+00	3.1077-03	1.0182+00	3.1077-03	2.1620-03	4.9220-02	6.3418+04	7.8844-04	3.3930+00
9	432.35	6.6421+00	1.0681+00	3.2558-03	1.0681+00	3.2558-03	2.2650-03	5.1566-02	6.6440+04	8.2595-04	3.7770+00
10	457.49	6.1439+00	1.0083+00	3.1312-03	1.0083+00	3.1312-03	2.1783-03	4.9591-02	6.3896+04	7.9516-04	5.3230+00
14	442.54	2.3953+01	3.9842+00	1.2236-02	3.9842+00	1.2236-02	8.5122-03	1.9379-01	2.4969+05	3.1053-03	1.0880+00
15	445.53	4.6488+01	7.7485+00	2.3849-02	7.7485+00	2.3849-02	1.6591-02	3.7772-01	4.8667+05	6.0534-03	1.3070+00
16	447.39	3.7832+01	6.3138+00	1.9460-02	6.3138+00	1.9460-02	1.3538-02	3.0820-01	3.9711+05	4.9398-03	1.6410+00
19	456.21	1.0106+01	1.5430+00	4.7870-03	1.5430+00	4.7870-03	3.3302-03	7.5816-02	9.7685+04	1.2156-03	4.1100-01
20	447.85	7.9314+00	1.2622+00	3.8914-03	1.2622+00	3.8914-03	2.7072-03	6.1632-02	7.9410+04	9.8783-04	7.1100-01
21	439.56	2.0092+01	3.2278+00	9.8911-03	3.2278+00	9.8911-03	6.8810-03	1.5665-01	2.0184+05	2.5100-03	1.0880+00
22	436.77	3.2559+01	5.2522+00	1.6062-02	5.2522+00	1.6062-02	1.1174-02	2.5438-01	3.2776+05	4.0753-03	1.3070+00
23	520.03	2.3740-01	3.9854-02	1.2983-04	3.9854-02	1.2983-04	9.0319-05	2.0562-03	2.6493+03	3.3059-05	1.6410+00
24	451.41	2.4203+00	3.9438-01	1.2191-03	3.9438-01	1.2191-03	8.4814-04	1.9309-02	2.4878+04	3.0952-04	3.0090+00
25	443.63	1.8223+00	2.8827-01	8.8601-04	2.8827-01	8.8601-04	6.1638-04	1.4032-02	1.8080+04	2.2487-04	3.3930+00
26	439.62	1.3740+00	2.1808-01	6.6831-04	2.1808-01	6.6831-04	4.6493-04	1.0585-02	1.3638+04	1.6959-04	3.7770+00
27	446.25	5.7034+00	9.0661-01	2.7919-03	9.0661-01	2.7919-03	1.9423-03	4.4218-02	5.6973+04	7.0867-04	7.1100-01
28	434.19	1.1364+01	1.8189+00	5.5517-03	1.8189+00	5.5517-03	3.8622-03	8.7927-02	1.1329+05	1.4085-03	1.0880+00
29	436.86	2.8119+01	4.5771+00	1.3998-02	4.5771+00	1.3998-02	9.7381-03	2.2170-01	2.8565+05	3.5517-03	1.3070+00
30	445.79	3.9079+01	6.4196+00	1.9762-02	6.4196+00	1.9762-02	1.3748-02	3.1300-01	4.0328+05	5.0162-03	1.6410+00
31	451.12	2.2337+01	3.7374+00	1.1551-02	3.7374+00	1.1551-02	8.0356-03	1.8294-01	2.3571+05	2.9325-03	1.7720+00
32	471.19	1.0101+01	1.6881+00	5.2962-03	1.6881+00	5.2962-03	3.6844-03	8.3880-02	1.0808+05	1.3458-03	2.4660+00
33	449.65	5.8930+00	9.7350-01	3.0055-03	9.7350-01	3.0055-03	2.0908-03	4.7600-02	6.1331+04	7.6299-04	3.0090+00
34	438.37	3.0701+00	4.9579-01	1.5180-03	4.9579-01	1.5180-03	1.0560-03	2.4041-02	3.0976+04	3.8518-04	3.3930+00
35	435.85	2.6904+00	4.1548-01	1.2697-03	4.1548-01	1.2697-03	8.8330-04	2.0109-02	2.5910+04	3.2215-04	3.7770+00
36	438.11	2.9580+01	4.7617+00	1.4576-02	4.7617+00	1.4576-02	1.0140-02	2.3085-01	2.9744+05	3.6986-03	1.3070+00
37	471.00	9.7340+00	1.6459+00	5.1631-03	1.6459+00	5.1631-03	3.5919-03	8.1773-02	1.0536+05	1.3119-03	2.4660+00
38	448.21	7.8234+00	1.2720+00	3.9229-03	1.2720+00	3.9229-03	2.7291-03	6.2130-02	8.0052+04	9.9583-04	3.0090+00
39	435.23	3.4842+00	5.5805-01	1.7046-03	5.5805-01	1.7046-03	1.1859-03	2.6998-02	3.4786+04	4.3249-04	3.3930+00
40	434.35	1.5449+00	2.4506-01	7.4807-04	2.4506-01	7.4807-04	5.2042-04	1.1848-02	1.5265+04	1.8979-04	3.7770+00
41	441.80	1.3803+00	2.1538-01	6.6108-04	2.1538-01	6.6108-04	4.5990-04	1.0470-02	1.3490+04	1.6777-04	4.1620+00
43	456.72	1.0156+00	1.6858-01	5.2320-04	1.6858-01	5.2320-04	3.6398-04	8.2864-03	1.0677+04	1.3286-04	5.3230+00
47	450.01	1.1506+01	1.8506+00	5.7148-03	1.8506+00	5.7148-03	3.9757-03	9.0510-02	1.1662+05	1.4508-03	7.1100-01
48	447.35	1.7904+01	2.9268+00	9.0203-03	2.9268+00	9.0203-03	6.2752-03	1.4286-01	1.8407+05	2.2897-03	1.0880+00
49	437.15	2.4283+01	3.9652+00	1.2129-02	3.9652+00	1.2129-02	8.4381-03	1.9210-01	2.4752+05	3.0776-03	1.3070+00
50	451.06	3.1732+01	5.2627+00	1.6264-02	5.2627+00	1.6264-02	1.1315-02	2.5759-01	3.3189+05	4.1292-03	1.6410+00
51	456.30	2.0558+01	3.4519+00	1.0710-02	3.4519+00	1.0710-02	7.4506-03	1.6962-01	2.1855+05	2.7196-03	1.7720+00
52	463.71	2.6099+00	4.4043-01	1.3741-03	4.4043-01	1.3741-03	9.5590-04	2.1762-02	2.8040+04	3.4963-04	2.4660+00
53	441.88	4.0213+00	6.5098-01	1.9983-03	6.5098-01	1.9983-03	1.3901-03	3.1648-02	4.0777+04	5.0713-04	3.0090+00
54	433.46	3.4177+00	5.4342-01	1.6578-03	5.4342-01	1.6578-03	1.1533-03	2.6256-02	3.3830+04	4.2058-04	3.3930+00
55	435.34	3.1870+00	4.9816-01	1.5218-03	4.9816-01	1.5218-03	1.0587-03	2.4102-02	3.1055+04	3.8611-04	3.7770+00
56	449.34	4.0281+00	6.1804-01	1.9076-03	6.1804-01	1.9076-03	1.3271-03	3.0212-02	3.8927+04	4.8427-04	4.1100-01
57	454.79	1.9784+01	3.1731+00	9.8336-03	3.1731+00	9.8336-03	6.8410-03	1.5574-01	2.0067+05	2.4970-03	7.1100-01
58	440.39	1.9142+01	3.1142+00	9.5489-03	3.1142+00	9.5489-03	6.6430-03	1.5123-01	1.9486+05	2.4232-03	1.0880+00
59	436.09	2.0767+01	3.3786+00	1.0327-02	3.3786+00	1.0327-02	7.1841-03	1.6355-01	2.1073+05	2.6201-03	1.3070+00
60	446.01	1.7852+01	2.9331+00	9.0309-03	2.9331+00	9.0309-03	6.2826-03	1.4303-01	1.8429+05	2.2923-03	1.6410+00
61	441.34	1.5013+00	2.4221-01	7.4320-04	2.4221-01	7.4320-04	5.1703-04	1.1771-02	1.5166+04	1.8861-04	3.0090+00
62	433.97	2.4888+00	3.9568-01	1.2081-03	3.9568-01	1.2081-03	8.4047-04	1.9134-02	2.4654+04	3.0650-04	3.3930+00
63	439.87	2.1439+00	3.3617-01	1.0304-03	3.3617-01	1.0304-03	7.1681-04	1.6319-02	2.1026+04	2.6147-04	3.7770+00
64	438.20	1.4981+01	2.4844+00	7.6055-03	2.4844+00	7.6055-03	5.2910-03	1.2046-01	1.5520+05	1.9299-03	1.0880+00
65	432.42	1.2650+01	2.0894+00	6.3693-03	2.0894+00	6.3693-03	4.4310-03	1.0088-01	1.2997+05	1.6158-03	1.3070+00
66	443.30	1.4748+01	2.4544+00	7.5419-03	2.4544+00	7.5419-03	5.2468-03	1.1945-01	1.5390+05	1.9141-03	1.6410+00
69	448.72	5.7164+00	9.5469-01	2.9460-03	9.5489-01	2.9460-03	2.0494-03	4.6658-02	6.0116+04	7.4785-04	4.1100-01
70	438.09	1.3195+00	2.1880-01	6.6975-04	2.1880-01	6.6975-04	4.6593-04	1.0607-02	1.3667+04	1.6995-04	7.1100-01
71	433.93	3.8499+00	6.3468-01	1.9369-03	6.3468-01	1.9369-03	1.3474-03	3.0676-02	3.9524+04	4.9138-04	1.3070+00
72	441.11	4.4717+00	7.4306-01	2.2796-03	7.4306-01	2.2796-03	1.5859-03	3.6104-02	4.6518+04	5.7850-04	1.6410+00
73	450.97	2.1756+00	3.5015-01	1.0820-03	3.5015-01	1.0820-03	7.5276-04	1.7137-02	2.2081+04	2.7471-04	3.7770+00
74	467.48	1.9065+00	3.1500-01	9.8554-04	3.1500-01	9.8554-04	6.8562-04	1.5609-02	2.0111+04	2.5038-04	5.3230+00
77	433.81	3.1548+00	5.1700-01	1.5776-03	5.1700-01	1.5776-03	1.0975-03	2.4986-02	3.2193+04	4.0023-04	3.0090+00
78	427.70	4.9714+00	8.0164-01	2.4353-03	8.0164-01	2.4353-03	1.6942-03	3.8569-02	4.9695+04	6.1766-04	3.3930+00
79	431.78	4.1631+00	6.6117-01	2.0145-03	6.6117-01	2.0145-03	1.4015-03	3.1906-02	4.1109+04	5.1104-04	3.7770+00
80	466.76	7.1029+00	1.2046+00	3.7668-03	1.2046+00	3.7668-03	2.6205-03	5.9658-02	7.6867+04	9.5696-04	2.4660+00
81	439.12	3.7647+00	6.1924-01	1.8969-03	6.1924-01	1.8969-03	1.3197-03	3.0043-02	3.8710+04	4.8136-04	3.0090+00
82	426.74	4.9719+00	8.0357-01	2.4394-03	8.0357-01	2.4394-03	1.6970-03	3.8635-02	4.9780+04	6.1869-04	3.3930+00
83	429.84	4.8914+00	7.8522-01	2.3891-03	7.8522-01	2.3891-03	1.6621-03	3.7838-02	4.8753+04	6.0661-04	3.7770+00
337	501.31	1.9200+01	3.6416+00	1.1691-02	3.6416+00	1.1691-02	8.1332-03	1.8516-01	2.3857+05	2.9746-03	7.1680+00
339	488.02	9.6379+00	1.8510+00	5.8821-03	1.8510+00	5.8821-03	4.0920-03	9.3159-02	1.2003+05	1.4957-03	8.1130+00
340	468.38	3.1491+00	5.8453-01	1.8300-03	5.8453-01	1.8300-03	1.2731-03	2.8984-02	3.7344+04	4.6495-04	8.6180+00
342	501.69	1.8139+01	3.5512+00	1.1404-02	3.5512+00	1.1404-02	7.9338-03	1.8062-01	2.3272+05	2.9016-03	7.1680+00
344	487.08	8.3787+00	1.6166+00	5.1334-03	1.6166+00	5.1334-03	3.5712-03	8.1303-02	1.0476+05	1.3053-03	8.1130+00
347	489.34	8.3932+00	1.5797+00	5.0249-03	1.5797+00	5.0249-03	3.4957-03	7.9583-02	1.0254+05	1.2778-03	7.1680+00
349	481.79	6.4306+00	1.2332+00	3.9003-03	1.2332+00	3.9003-03	2.7134-03	6.1773-02	7.9592+04	9.9152-04	8.1130+00
350	467.40	1.5029+00	2.6316-01	8.2330-04	2.6316-01	8.2330-04	5.7275-04	1.3039-02	1.6801+04	2.0917-04	8.6180+00
352	489.30	2.5299+00	4.6469-01	1.4781-03	4.6469-01	1.4781-03	1.0283-03	2.3411-02	3.0163+04	3.7589-04	7.1680+00
354	490.08	4.0940+00	7.8733-01	2.5059-03	7.8733-01	2.5059-03	1.7433-03	3.9689-02	5.1137+04	6.3727-04	8.1130+00
357	488.71	4.8197+00	8.8255-01	2.8060-03	8.8255-01	2.8060-03	1.9521-03	4.4442-02	5.7261+04	7.1355-04	7.1680+00
359	486.19	3.2847+00	5.8896-01	1.8690-03	5.8856-01	1.8690-03	1.3002-03	2.9600-02	3.8139+04	4.7521-04	8.1130+00
401	462.16	2.0032+01	1.6688+00	5.2002-03	1.6688+00	5.2002-03	3.6177-03	8.2360-02	1.0612+05	1.3209-03	4.5500-01
403	453.73	7.4369+00	6.0870-01	1.8849-03	6.0870-01	1.8849-03	1.3113-03	2.9853-02	3.8464+04	4.7860-04	6.8600-01
404	431.79	-2.0655+01	-1.6751+00	-5.1038-03	-1.6751+00	-5.1038-03	-3.5506-03	-8.0833-02	-1.0415+05	-1.2947-03	8.0100-01
405	463.04	3.0016+01	2.4723+00	7.7091-03	2.4723+00	7.7091-03	5.3631-03	1.2210-01	1.5732+05	1.9582-03	1.0510+00
406	469.62	5.2121+01	4.3378+00	1.3593-02	4.3378+00	1.3593-02	9.4567-03	2.1529-01	2.7739+05	3.4539-03	1.1670+00
407	475.93	6.2624+01	5.3273+00	1.6774-02	5.3273+00	1.6774-02	1.1669-02	2.6566-01	3.4230+05	4.2631-03	1.2830+00
408	458.69	1.1860+01	9.6232-01	2.9910-03	9.6232-01	2.9910-03	2.0808-03	4.7371-02	6.1035+04	7.5960-04	5.1300-01
409	447.52	4.4052+00	3.6118-01	1.1133-03	3.6118-01	1.1133-03	7.7450-04	1.7632-02	2.2718+04	2.8260-04	5.7000-01
410	456.46	1.1431+01	9.0930-01	2.8215-03	9.0930-01	2.8215-03	1.9629-03	4.4687-02	5.7577+04	7.1650-04	6.2800-01
411	447.86	4.9501+00	4.0595-01	1.2516-03	4.0595-01	1.2516-03	8.7073-04	1.9823-02	2.5541+04	3.1772-04	6.8600-01
412	464.19	1.6846+01	1.3886+00	4.3337-03	1.3886+00	4.3337-03	3.0149-03	6.8637-02	8.8436+04	1.1009-03	7.4400-01
413	446.86	5.0810+00	4.1888-01	1.2905-03	4.1888-01	1.2905-03	8.9779-04	2.0439-02	2.6335+04	3.2758-04	8.0100-01
414	458.73	2.1283+01	1.7479+00	5.4328-03	1.7479+00	5.4328-03	3.7795-03	8.6044-02	1.1086+05	1.3797-03	8.5900-01
415	443.28	5.6405+00	4.6111-01	1.4169-03	4.6111-01	1.4169-03	9.8570-04	2.2440-02	2.8914+04	3.5961-04	9.1700-01
416	460.28	1.3482+01	1.0354+00	3.2218-03	1.0354+00	3.2218-03	2.2414-03	5.1027-02	6.5746+04	8.1829-04	5.7000-01
417	469.42	4.4404+01	3.6731+00	1.1509-02	3.6731+00	1.1509-02	8.0063-03	1.8227-01	2.3485+05	2.9241-03	1.0520+00

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22 1 1.91 -10.09 .00 -.00 402 11 2.15 10.09 461.4 1725.9

8.39457+01 9.86288-03 7.03440-01 4.53167+03 9.85751-06 6.79960-08 5.51156-02 7.72000+00 7.02484-06 7.47247-02

1	459.17	2.1243+01	3.5739+00	1.1110-02	3.5739+00	1.1110-02	7.7304-03	1.7597-01	2.2667+05	2.8214-03	4.1100-01
2	463.87	3.0641+01	5.1713+00	1.6133-02	5.1713+00	1.6133-02	1.1225-02	2.5551-01	3.2914+05	4.0976-03	7.1100-01
3	455.01	3.4052+01	5.7127+00	1.7704-02	5.7127+00	1.7704-02	1.2318-02	2.8040-01	3.6120+05	4.4951-03	1.3070+00
4	471.24	5.1291+01	8.6954+00	2.7291-02	8.6954+00	2.7291-02	1.8988-02	4.3223-01	5.5677+05	6.9337-03	1.6410+00
5	466.08	3.5420+01	6.2670+00	1.9584-02	6.2670+00	1.9584-02	1.3626-02	3.1016-01	3.9953+05	4.9745-03	1.7720+00
6	467.45	6.7423+00	1.1240+00	3.5160-03	1.1240+00	3.5160-03	2.4463-03	5.5686-02	7.1731+04	8.9316-04	2.4660+00
7	444.64	3.4358+00	5.6229-01	1.7293-03	5.6229-01	1.7293-03	1.2032-03	2.7388-02	3.5279+04	4.3886-04	3.0090+00
8	435.74	6.2488+00	1.0073+00	3.0775-03	1.0073+00	3.0775-03	2.1413-03	4.8742-02	6.2786+04	7.8074-04	3.3930+00
9	434.02	6.5782+00	1.0591+00	3.2317-03	1.0591+00	3.2317-03	2.2486-03	5.1184-02	6.5932+04	8.1980-04	3.7770+00
10	459.02	6.1029+00	1.0026+00	3.1166-03	1.0026+00	3.1166-03	2.1684-03	4.9360-02	6.3583+04	7.9141-04	5.3230+00
14	448.13	2.2509+01	3.7584+00	1.1588-02	3.7584+00	1.1588-02	8.0630-03	1.8354-01	2.3642+05	2.9414-03	1.0880+00
15	457.51	4.7110+01	7.9168+00	2.4581-02	7.9168+00	2.4581-02	1.7103-02	3.8931-01	5.0148+05	6.2416-03	1.3070+00
16	456.75	3.7612+01	6.3174+00	1.9604-02	6.3174+00	1.9604-02	1.3640-02	3.1048-01	3.9995+05	4.9777-03	1.6410+00
19	458.84	1.6304+01	1.5761+00	4.8985-03	1.5761+00	4.8985-03	3.4083-03	7.7582-02	9.9937+04	1.2439-03	4.1100-01
20	449.78	7.6779+00	1.2234+00	3.7769-03	1.2234+00	3.7769-03	2.6279-03	5.9818-02	7.7054+04	9.5873-04	7.1100-01
21	443.92	1.7475+01	2.8159+00	8.6553-03	2.8159+00	8.6553-03	6.0222-03	1.3708-01	1.7658+05	2.1965-03	1.0880+00
22	444.71	3.2917+01	5.3392+00	1.6421-02	5.3392+00	1.6421-02	1.1425-02	2.6007-01	3.3501+05	4.1674-03	1.3070+00
23	520.11	2.6026-01	4.3693-02	1.4232-04	4.3693-02	1.4232-04	9.9023-05	2.2541-03	2.9036+03	3.6236-05	1.6410+00
24	451.95	2.3403+00	3.8148-01	1.1796-03	3.8148-01	1.1796-03	8.2073-04	1.8682-02	2.4065+04	2.9945-04	3.0090+00
25	444.06	1.8088+00	2.8622-01	8.7985-04	2.8622-01	8.7985-04	6.1218-04	1.3935-02	1.7950+04	2.2329-04	3.3930+00
26	439.95	1.4140+00	2.2448-01	6.8799-04	2.2448-01	6.8799-04	4.7869-04	1.0896-02	1.4036+04	1.7457-04	3.7770+00
27	447.38	4.9294+00	7.8418-01	2.4165-03	7.8418-01	2.4165-03	1.6814-03	3.8273-02	4.9301+04	6.1335-04	7.1100-01
28	436.67	1.0446+01	1.6748+00	5.1207-03	1.6748+00	5.1207-03	3.5628-03	8.1101-02	1.0447+05	1.2991-03	1.0880+00
29	443.96	2.8662+01	4.6885+00	1.4412-02	4.6885+00	1.4412-02	1.0027-02	2.2825-01	2.9402+05	3.6574-03	1.3070+00
30	455.65	3.9016+01	6.4526+00	2.0007-02	6.4526+00	2.0007-02	1.3920-02	3.1687-01	4.0817+05	5.0798-03	1.6410+00
31	456.79	2.2865+01	3.8406+00	1.1918-02	3.8406+00	1.1918-02	8.2924-03	1.8876-01	2.4315+05	3.0262-03	1.7720+00
32	473.73	1.0058+01	1.6838+00	5.2921-03	1.6838+00	5.2921-03	3.6821-03	8.3816-02	1.0797+05	1.3447-03	2.4660+00
33	451.14	5.8062+00	9.6014-01	2.9670-03	9.6014-01	2.9670-03	2.0644-03	4.6992-02	6.0532+04	7.5319-04	3.0090+00
34	439.13	3.1044+00	5.0160-01	1.5363-03	5.0160-01	1.5363-03	1.0690-03	2.4332-02	3.1344+04	3.8981-04	3.3930+00
35	436.53	2.7226+00	4.2065-01	1.2859-33	4.2065-01	1.2859-03	8.9473-04	2.0367-02	2.6235+04	3.2624-04	3.7770+00
36	445.48	2.8984+01	4.6897+00	1.4432-02	4.6897+00	1.4432-02	1.0041-02	2.2856-01	2.9442+05	3.6626-03	1.3070+00
37	473.46	9.9761+00	1.6896+00	5.3092-03	1.6896+00	5.3092-03	3.6940-03	8.4087-02	1.0832+05	1.3490-03	2.4660+00
38	450.16	7.5039+00	1.2217+00	3.7726-03	1.2217+00	3.7726-03	2.6249-03	5.9750-02	7.6967+04	9.5765-04	3.0090+00
39	436.12	3.4535+00	5.5349-01	1.6915-03	5.5349-01	1.6915-03	1.1769-03	2.6791-02	3.4510+04	4.2913-04	3.3930+00
40	434.74	1.5984+00	2.5361-01	7.7430-04	2.5361-01	7.7430-04	5.3874-04	1.2263-02	1.5797+04	1.9642-04	3.7770+00
41	442.15	1.3595+00	2.1219-01	6.5135-04	2.1219-01	6.5135-04	4.5320-04	1.0316-02	1.3289+04	1.6529-04	4.1620+00
43	456.97	1.0358+00	1.7197-01	5.3375-04	1.7197-01	5.3375-04	3.7137-04	8.4535-03	1.0889+04	1.3553-04	5.3230+00
47	452.71	1.0941+01	1.7629+00	5.4542-03	1.7629+00	5.4542-03	3.7949-03	8.6383-02	1.1127+05	1.3847-03	7.1100-01
48	451.78	1.7907+01	2.9362+00	9.0779-03	2.9362+00	9.0779-03	6.3162-03	1.4377-01	1.8520+05	2.3045-03	1.0880+00
49	443.12	2.3665+01	3.8804+00	1.1920-02	3.8804+00	1.1920-02	8.2939-03	1.8879-01	2.4319+05	3.0250-03	1.3070+00
50	458.92	3.1522+01	5.2557+00	1.6336-02	5.2557+00	1.6336-02	1.1366-02	2.5872-01	3.3327+05	4.1483-03	1.6410+00
51	461.52	2.0843+01	3.5121+00	1.0938-02	3.5121+00	1.0938-02	7.6101-03	1.7323-01	2.2314+05	2.7777-03	1.7720+00
52	464.36	2.6073+00	4.4018-01	1.3737-03	4.4018-01	1.3737-03	9.5582-04	2.1757-02	2.8026+04	3.4892-04	2.4660+00
53	442.90	4.0161+00	6.5060-01	1.9983-03	6.5060-01	1.9983-03	1.3904-03	3.1648-02	4.0768+04	5.0709-04	3.0090+00
54	434.32	3.4358+00	5.4664-01	1.6684-03	5.4664-01	1.6684-03	1.1608-03	2.6424-02	3.4038+04	4.2324-04	3.3930+00
55	436.16	3.2275+00	5.0478-01	1.5427-03	5.0478-01	1.5427-03	1.0734-03	2.4434-02	3.1474+04	3.9138-04	3.7770+00
56	450.40	4.0395+00	6.2025-01	1.9156-03	6.2025-01	1.9156-03	1.3329-03	3.0340-02	3.9082+04	4.8628-04	4.1100-01
57	459.69	1.9527+01	3.1422+00	9.7720-03	3.1422+00	9.7720-03	6.7991-03	1.5477-01	1.9936+05	2.4815-03	7.1100-01
58	445.19	1.8965+01	3.0956+00	9.5240-03	3.0956+00	9.5240-03	6.6266-03	1.5084-01	1.9430+05	2.4171-03	1.0880+00
59	441.29	2.0658+01	3.3730+00	1.0348-02	3.3730+00	1.0348-02	7.1997-03	1.6388-01	2.1111+05	2.6257-03	1.3070+00
60	450.43	1.7712+01	2.9188+00	9.0150-03	2.9188+00	9.0150-03	6.2724-03	1.4278-01	1.8392+05	2.2884-03	1.6410+00
61	441.70	1.4639+00	2.3624-01	7.2495-04	2.3624-01	7.2495-04	5.0441-04	1.1482-02	1.4790+04	1.8396-04	3.0090+00
62	434.55	2.4270+00	3.8620-01	1.1789-03	3.8620-01	1.1789-03	8.2027-04	1.8672-02	2.4052+04	2.9907-04	3.3930+00
63	440.39	2.1397+00	3.3564-01	1.0290-03	3.3564-01	1.0290-03	7.1595-04	1.6297-02	2.0993+04	2.6109-04	3.7770+00
64	441.91	1.4795+01	2.4598+00	7.5497-03	2.4598+00	7.5497-03	5.2529-03	1.1957-01	1.5402+05	1.9158-03	1.0880+00
65	435.50	1.2399+01	2.0523+00	6.2694-03	2.0523+00	6.2694-03	4.3621-03	9.9294-02	1.2790+05	1.5905-03	1.3070+00
66	446.95	1.4372+01	2.3978+00	7.3868-03	2.3978+00	7.3868-03	5.1396-03	1.1699-01	1.5070+05	1.8748-03	1.6410+00
69	450.24	6.0203+00	1.0067+00	3.1089-03	1.0067+00	3.1089-03	2.1631-03	4.9238-02	6.3425+04	7.8917-04	4.1100-01
70	438.39	1.2712+00	2.1083-01	6.4541-04	2.1083-01	6.4541-04	4.4906-04	1.0222-02	1.3167+04	1.6375-04	7.1100-01
71	434.87	3.8192+00	6.3005-01	1.9238-03	6.3005-01	1.9238-03	1.3385-03	3.0468-02	3.9247+04	4.8802-04	1.3070+00
72	442.17	4.3808+00	7.2849-01	2.2363-03	7.2849-01	2.2363-03	1.5560-03	3.5418-02	4.5624+04	5.6748-04	1.6410+00
73	451.49	1.8125+00	2.9181-01	9.0199-04	2.9181-01	9.0199-04	6.2758-04	1.4286-02	1.8402+04	2.2898-04	3.7770+00
74	467.92	1.7990+00	2.9732-01	9.3039-04	2.9732-01	9.3039-04	6.4734-04	1.4735-02	1.8981+04	2.3635-04	5.3230+00
77	434.55	3.1231+00	5.1207-01	1.5632-03	5.1207-01	1.5632-03	1.0876-03	2.4757-02	3.1891+04	3.9654-04	3.0090+00
78	428.93	4.8753+00	7.8683-01	2.3920-03	7.8683-01	2.3920-03	1.6643-03	3.7885-02	4.8801+04	6.0667-04	3.3930+00
79	432.82	4.1506+00	6.5968-01	2.0112-03	6.5968-01	2.0112-03	1.3994-03	3.1853-02	4.1032+04	5.1016-04	3.7770+00
80	468.61	7.5403+00	1.2804+00	4.0087-03	1.2804+00	4.0087-03	2.7891-03	6.3489-02	8.1782+04	1.0184-03	2.4660+00
81	440.04	3.6322+00	5.9783-01	1.8323-03	5.9783-01	1.8323-03	1.2749-03	2.9020-02	3.7382+04	4.6492-04	3.0090+00
82	428.00	5.0203+00	8.1210-01	2.4672-03	8.1210-01	2.4672-03	1.7166-03	3.9076-02	5.0335+04	6.2571-04	3.3930+00
83	431.10	4.9990+00	8.0319-01	2.4457-03	8.0319-01	2.4457-03	1.7016-03	3.8734-02	4.9896+04	6.2032-04	3.7770+00
337	506.13	1.9276+01	3.6673+00	1.1816-02	3.6673+00	1.1816-02	8.2211-03	1.8714-01	2.4106+05	3.0065-03	7.1680+00
339	490.42	9.6722+00	1.8605+00	5.9223-03	1.8605+00	5.9223-03	4.1206-03	9.3796-02	1.2082+05	1.5059-03	8.1130+00
340	469.17	3.1481+00	5.8465-01	1.8312-03	5.8465-01	1.8312-03	1.2741-03	2.9002-02	3.7359+04	4.6521-04	8.6180+00
342	506.19	1.8043+01	3.5426+00	1.1415-02	3.5426+00	1.1415-02	7.9420-03	1.8078-01	2.3288+05	2.9045-03	7.1680+00
344	489.13	8.2940+00	1.6024+00	5.0955-03	1.6024+00	5.0955-03	3.5454-03	8.0703-02	1.0396+05	1.2956-03	8.1130+00
347	491.44	8.5003+00	1.6020+00	5.1033-03	1.6020+00	5.1033-03	3.5508-03	8.0826-02	1.0412+05	1.2977-03	7.1680+00
349	483.37	6.4156+00	1.2316+00	3.8993-03	1.2316+00	3.8993-03	2.7131-03	6.1757-02	7.9552+04	9.9122-04	8.1130+00
350	467.76	1.4831+00	2.5977-01	8.1278-04	2.5977-01	8.1278-04	5.6551-04	1.2873-02	1.6582+04	2.0647-04	8.6180+00
352	489.81	2.2249+00	4.0882-01	1.3007-03	4.0882-01	1.3007-03	9.0501-04	2.0601-02	2.6537+04	3.3074-04	7.1680+00
354	490.95	3.7096+00	7.1381-01	2.2731-03	7.1381-01	2.2731-03	1.5816-03	3.6001-02	4.6374+04	5.7801-04	8.1130+00
357	489.76	4.3995+00	8.0614-01	2.5648-03	8.0614-01	2.5648-03	1.7845-03	4.0621-02	5.2325+04	6.5215-04	7.1680+00
359	486.84	2.7844+00	4.9947-01	1.5855-03	4.9947-01	1.5855-03	1.1032-03	2.5111-02	3.2347+04	4.0310-04	8.1130+00
401	467.09	1.8936+01	1.5826+00	4.9493-03	1.5826+00	4.9493-03	3.4436-03	7.8387-02	1.0097+05	1.2572-03	4.5500-01
403	455.63	7.7782+00	6.3746-01	1.9765-03	6.3746-01	1.9765-03	1.3752-03	3.1303-02	4.0323+04	5.0183-04	6.8600-01
404	429.23	-1.9505+01	-1.5790+00	-4.8014-03	-1.5790+00	-4.8014-03	-3.3407-03	-7.6045-02	-9.7956+04	-1.2177-03	8.0100-01
405	470.75	3.0514+01	2.5263+00	7.9224-03	2.5263+00	7.9224-03	5.5122-03	1.2547-01	1.6163+05	2.0128-03	1.0510+00
406	482.55	5.0303+01	4.2226+00	1.3360-02	4.2226+00	1.3360-02	9.2959-03	2.1160-01	2.7257+05	3.3961-03	1.1670+00
407	491.25	5.9941+01	5.1507+00	1.6406-02	5.1507+00	1.6406-02	1.1415-02	2.5983-01	3.3470+05	4.1718-03	1.2830+00
408	461.49	1.1630+01	9.4544-01	2.9442-03	9.4544-01	2.9442-03	2.0485-03	4.6631-02	6.0067+04	7.4773-04	5.1300-01
409	448.70	4.7397+00	3.8892-01	1.1997-03	3.8892-01	1.1997-03	8.3472-04	1.9001-02	2.4475+04	3.0451-04	5.7000-01
410	459.46	1.1735+01	9.3538-01	2.9085-03	9.3538-01	2.9085-03	2.0237-03	4.6064-02	5.9337+04	7.3859-04	6.2800-01
411	449.17	5.2779+00	4.3322-01	1.3368-03	4.3322-01	1.3368-03	9.3011-04	2.1172-02	2.7273+04	3.3932-04	6.8600-01
412	467.10	1.1832+01	9.7720-01	3.0560-03	9.7720-01	3.0560-03	2.1263-03	4.8401-02	6.2347+04	7.7630-04	7.4400-01
413	448.13	5.0935+00	4.2028-01	1.2958-03	4.2028-01	1.2958-03	9.0162-04	2.0523-02	2.6437+04	3.2891-04	8.0100-01
414	464.19	2.1222+01	1.7494+00	5.4588-03	1.7494+00	5.4588-03	3.7981-03	8.6456-02	1.1137+05	1.3865-03	8.5900-01
415	444.68	5.7829+00	4.7321-01	1.4553-03	4.7321-01	1.4553-03	1.0126-03	2.3050-02	2.9691+04	3.6934-04	9.1700-01
416	463.74	1.3457+01	1.0359+00	3.2314-03	1.0359+00	3.2314-03	2.2483-03	5.1178-02	6.5925+04	8.2073-04	5.7000-01
417	480.47	4.2559+01	3.5464+00	1.1203-02	3.5464+00	1.1203-02	7.7951-03	1.7744-01	2.2857+05	2.8476-03	1.0520+00

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22 1 1.91 -10.09 .00 -.00 402 11 2.40 10.09 461.4 1725.6

8.39277+01 9.86319-03 7.03462-01 4.53118+03 9.85993-06 6.79814-08 5.51351-02 7.72000+00 7.02313-06 7.47269-02

1	464.64	2.1989+01	3.7130+00	1.1595-02	3.7130+00	1.1595-02	8.0667-03	1.8365-01	2.3662+05	2.9447-03	4.1100-01
2	471.40	3.0174+01	5.1183+00	1.6066-02	5.1183+00	1.6066-02	1.1176-02	2.5444-01	3.2784+05	4.0810-03	7.1100-01
3	463.52	3.3922+01	5.7238+00	1.7860-02	5.7238+00	1.7860-02	1.2425-02	2.8286-01	3.6446+05	4.5353-03	1.3070+00
4	484.03	5.0744+01	8.6796+00	2.7506-02	8.6796+00	2.7506-02	1.9136-02	4.3564-01	5.6131+05	6.9911-03	1.6410+00
5	475.00	3.5269+01	6.2774+00	1.9757-02	6.2774+00	1.9757-02	1.3745-02	3.1291-01	4.0318+05	5.0196-03	1.7720+00
6	469.20	7.1699+00	1.1967+00	3.7499-03	1.1967+00	3.7499-03	2.6088-03	5.9391-02	7.6523+04	9.5249-04	2.4660+00
7	445.51	3.4426+00	5.6373-01	1.7356-03	5.6373-01	1.7356-03	1.2074-03	2.7488-02	3.5417+04	4.4040-04	3.0090+00
8	437.29	6.1668+00	9.9512-01	3.0452-03	9.9512-01	3.0452-03	2.1185-03	4.8229-02	6.2141+04	7.7245-04	3.3930+00
9	435.61	6.4332+00	1.0369+00	3.1691-03	1.0369+00	3.1691-03	2.2047-03	5.0193-02	6.4671+04	8.0383-04	3.7770+00
10	460.54	6.0338+00	9.9229-01	3.0893-03	9.9229-01	3.0893-03	2.1492-03	4.8928-02	6.3042+04	7.8441-04	5.3230+00
14	453.61	2.2140+01	3.7108+00	1.1493-02	3.7108+00	1.1493-02	7.9957-03	1.8203-01	2.3454+05	2.9174-03	1.0880+00
15	469.27	4.6388+01	7.8574+00	2.4623-02	7.8574+00	2.4623-02	1.7130-02	3.8998-01	5.0248+05	6.2544-03	1.3070+00
16	466.21	3.7682+01	6.3697+00	1.9916-02	6.3697+00	1.9916-02	1.3855-02	3.1542-01	4.0641+05	5.0580-03	1.6410+00
19	461.42	1.0434+01	1.5987+00	4.9805-03	1.5987+00	4.9805-03	3.4648-03	7.8880-02	1.0163+05	1.2646-03	4.1100-01
20	451.71	7.7148+00	1.2309+00	3.8072-03	1.2309+00	3.8072-03	2.6486-03	6.0298-02	7.7691+04	9.6632-04	7.1100-01
21	448.05	1.6342+01	2.6409+00	8.1458-03	2.6409+00	8.1458-03	5.6669-03	1.2901-01	1.6623+05	2.0672-03	1.0880+00
22	453.00	3.4299+01	5.5950+00	1.7321-02	5.5950+00	1.7321-02	1.2050-02	2.7433-01	3.5347+05	4.3966-03	1.3070+00
23	520.16	1.4493-01	2.4333-02	7.9299-05	2.4333-02	7.9299-05	5.5167-05	1.2559-03	1.6182+03	2.0186-05	1.6410+00
24	452.52	2.4073+00	3.9256-01	1.2149-03	3.9256-01	1.2149-03	8.4518-04	1.9241-02	2.4792+04	3.0837-04	3.0090+00
25	444.52	1.8909+00	2.9930-01	9.2079-04	2.9930-01	9.2079-04	6.4057-04	1.4583-02	1.8790+04	2.3364-04	3.3930+00
26	440.31	1.4358+00	2.2800-01	6.9927-04	2.2800-01	6.9927-04	4.8647-04	1.1075-02	1.4270+04	1.7740-04	3.7770+00
27	448.60	4.9034+00	7.8070-01	2.4091-03	7.8070-01	2.4091-03	1.6759-03	3.8154-02	4.9160+04	6.1137-04	7.1100-01
28	439.30	1.0505+01	1.6874+00	5.1714-03	1.6874+00	5.1714-03	3.5976-03	8.1904-02	1.0553+05	1.3119-03	1.0880+00
29	451.32	2.9404+01	4.8342+00	1.4947-02	4.8342+00	1.4947-02	1.0399-02	2.3674-01	3.0502+05	3.7938-03	1.3070+00
30	465.33	3.8555+01	6.4183+00	2.0054-02	6.4183+00	2.0054-02	1.3951-02	3.1762-01	4.0924+05	5.0930-03	1.6410+00
31	462.60	2.3257+01	3.9218+00	1.2229-02	3.9218+00	1.2229-02	8.5074-03	1.9368-01	2.4955+05	3.1053-03	1.7720+00
32	476.22	1.0093+01	1.6924+00	5.3316-03	1.6924+00	5.3316-03	3.7091-03	8.4442-02	1.0880+05	1.3546-03	2.4660+00
33	452.53	5.8343+00	9.6571-01	2.9887-03	9.6571-01	2.9887-03	2.0792-03	4.7334-02	6.0988+04	7.5859-04	3.0090+00
34	439.93	3.1688+00	5.1229-01	1.5707-03	5.1229-01	1.5707-03	1.0927-03	2.4877-02	3.2053+04	3.9847-04	3.3930+00
35	437.20	2.7169+00	4.1996-01	1.2851-03	4.1996-01	1.2851-03	8.9399-04	2.0353-02	2.6223+04	3.2597-04	3.7770+00
36	452.62	2.8588+01	4.6482+00	1.4386-02	4.6482+00	1.4386-02	1.0008-02	2.2785-01	2.9357+05	3.6516-03	1.3070+00
37	476.00	1.0250+01	1.7390+00	5.4774-03	1.7390+00	5.4774-03	3.8105-03	8.6750-02	1.1177+05	1.3917-03	2.4660+00
38	451.96	7.2597+00	1.1834+00	3.6608-03	1.1834+00	3.6608-03	2.5468-03	5.7980-02	7.4705+04	9.2919-04	3.0090+00
39	436.93	3.4899+00	5.5963-01	1.7121-03	5.5963-01	1.7121-03	1.1911-03	2.7116-02	3.4938+04	4.3429-04	3.3930+00
40	435.15	1.7055+00	2.7067-01	8.2699-04	2.7067-01	8.2699-04	5.7532-04	1.3098-02	1.6876+04	2.0976-04	3.7770+00
41	442.49	1.3818+00	2.1572-01	6.6268-04	2.1572-01	6.6268-04	4.6101-04	1.0495-02	1.3523+04	1.6813-04	4.1620+00
43	457.24	9.9377-01	1.6502-01	5.1249-04	1.6502-01	5.1249-04	3.5653-04	8.1167-03	1.0458+04	1.3011-04	5.3230+00
47	455.37	1.0768+01	1.7383+00	5.3910-03	1.7383+00	5.3910-03	3.7504-03	8.5383-02	1.1001+05	1.3685-03	7.1100-01
48	456.25	1.7942+01	2.9509+00	9.1576-03	2.9509+00	9.1576-03	6.3708-03	1.4504-01	1.8687+05	2.3248-03	1.0880+00
49	448.99	2.3368+01	3.8472+00	1.1875-02	3.8472+00	1.1875-02	8.2612-03	1.8807+01	2.4233+05	3.0137-03	1.3070+00
50	466.82	3.1462+01	5.2738+00	1.6497-02	5.2738+00	1.6497-02	1.1476-02	2.6127-01	3.3664+05	4.1897-03	1.6410+00
51	466.77	2.0864+01	3.5281+00	1.1036-02	3.5281+00	1.1036-02	7.6773-03	1.7478-01	2.2520+05	2.8028-03	1.7720+00
52	465.02	2.6618+00	4.4959-01	1.4044-03	4.4959-01	1.4044-03	9.7704-04	2.2243-02	2.8659+04	3.5667-04	2.4660+00
53	443.89	4.0130+00	6.5054-01	2.0004-03	6.5054-01	2.0004-03	1.3917-03	3.1683-02	4.0822+04	5.0757-04	3.0090+00
54	435.18	3.4530+00	5.4970-01	1.6796-03	5.4970-01	1.6796-03	1.1684-03	2.6601-02	3.4274+04	4.2600-04	3.3930+00
55	436.96	3.2701+00	5.1173-01	1.5656-03	5.1173-01	1.5656-03	1.0891-03	2.4795-02	3.1948+04	3.9712-04	3.7770+00
56	451.39	4.0810+00	6.2705-01	1.9389-03	6.2705-01	1.9389-03	1.3489-03	3.0709-02	3.9567+04	4.9213-04	4.1100-01
57	464.57	1.9270+01	3.1111+00	9.7152-03	3.1111+00	9.7152-03	6.7587-03	1.5387-01	1.9825+05	2.4672-03	7.1100-01
58	449.90	1.8881+01	3.0919+00	9.5500-03	3.0919+00	9.5500-03	6.6437-03	1.5125-01	1.9488+05	2.4237-03	1.0880+00
59	446.43	2.0137+01	3.2996+00	1.0165-02	3.2996+00	1.0165-02	7.0719-03	1.6100-01	2.0744+05	2.5796-03	1.3070+00
60	454.81	1.7733+01	2.9311+00	9.0864-03	2.9311+00	9.0864-03	6.3212-03	1.4391-01	1.8542+05	2.3066-03	1.6410+00
61	442.07	1.5309+00	2.4712-01	7.5887-04	2.4712-01	7.5887-04	5.2793-04	1.2019-02	1.5486+04	1.9254-04	3.0090+00
62	435.15	2.4016+00	3.8231-01	1.1681-03	3.8231-01	1.1681-03	8.1261-04	1.8500-02	2.3836+04	2.9627-04	3.3930+00
63	440.93	2.1236+00	3.3324-01	1.0225-03	3.3324-01	1.0225-03	7.1132-04	1.6194-02	2.0865+04	2.5940-04	3.7770+00
64	445.61	1.4571+01	2.4289+00	7.4784-03	2.4289+00	7.4784-03	5.2026-03	1.1844-01	1.5261+05	1.8977-03	1.0880+00
65	438.59	1.2348+01	2.0482+00	6.2737-03	2.0482+00	6.2737-03	4.3645-03	9.9363-02	1.2802+05	1.5915-03	1.3070+00
66	450.47	1.4096+01	2.3575+00	7.2848-03	2.3575+00	7.2848-03	5.0679-03	1.1538-01	1.4866+05	1.8489-03	1.6410+00
69	451.77	6.3034+00	1.0552+00	3.2636-03	1.0552+00	3.2636-03	2.2704-03	5.1689-02	6.6599+04	8.2836-04	4.1100-01
70	438.73	1.3262+00	2.2002-01	6.7399-04	2.2002-01	6.7399-04	4.6888-04	1.0675-02	1.3754+04	1.7098-04	7.1100-01
71	435.81	3.7803+00	6.2403-01	1.9075-03	6.2403-01	1.9075-03	1.3270-03	3.0211-02	3.8926+04	4.8384-04	1.3070+00
72	443.25	4.4213+00	7.3578-01	2.2615-03	7.3578-01	2.2615-03	1.5733-03	3.5817-02	4.6149+04	5.7379-04	1.6410+00
73	451.88	1.6291+00	2.6235-01	8.1153-04	2.6235-01	8.1153-04	5.6457-04	1.2853-02	1.6561+04	2.0598-04	3.7770+00
74	468.38	1.7803+00	2.9432-01	9.2173-04	2.9432-01	9.2173-04	6.4123-04	1.4598-02	1.8809+04	2.3411-04	5.3230+00
77	435.33	3.1912+00	5.2352-01	1.5997-03	5.2352-01	1.5997-03	1.1129-03	2.5336-02	3.2645+04	4.0575-04	3.0090+00
78	430.13	4.7584+00	7.6861-01	2.3397-03	7.6861-01	2.3397-03	1.6277-03	3.7056-02	4.7746+04	5.9332-04	3.3930+00
79	433.86	4.1371+00	6.5801-01	2.0085-03	6.5801-01	2.0085-03	1.3973-03	3.1811-02	4.0987+04	5.0941-04	3.7770+00
80	470.52	7.8301+00	1.3313+00	4.1760-03	1.3313+00	4.1760-03	2.9051-03	6.6138-02	8.5217+04	1.0608-03	2.4660+00
81	440.92	3.5397+00	5.8296-01	1.7887-03	5.8296-01	1.7887-03	1.2444-03	2.8329-02	3.6501+04	4.5380-04	3.0090+00
82	429.27	5.0914+00	8.2435-01	2.5078-03	8.2435-01	2.5078-03	1.7447-03	3.9719-02	5.1176+04	6.3593-04	3.3930+00
83	432.34	4.9886+00	8.0222-01	2.4460-03	8.0222-01	2.4460-03	1.7016-03	3.8739-02	4.9914+04	6.2032-04	3.7770+00
337	510.94	1.9128+01	3.6502+00	1.1810-02	3.6502+00	1.1810-02	8.2163-03	1.8705-01	2.4101+05	3.0052-03	7.1680+00
339	492.83	9.6561+00	1.8603+00	5.9353-03	1.8603+00	5.9353-03	4.1291-03	9.4003-02	1.2112+05	1.5091-03	8.1130+00
340	469.96	3.2374+00	6.0156-01	1.8862-03	6.0156-01	1.8862-03	1.3122-03	2.9873-02	3.8490+04	4.7910-04	8.6180+00
342	510.73	1.8037+01	3.5517+00	1.1490-02	3.5517+00	1.1490-02	7.9932-03	1.8197-01	2.3447+05	2.9236-03	7.1680+00
344	491.19	8.2042+00	1.5871+00	5.0574-03	1.5871+00	5.0574-03	3.5184-03	8.0099-02	1.0320+05	1.2858-03	8.1130+00
347	493.59	8.6047+00	1.6239+00	5.1841-03	1.6239+00	5.1841-03	3.6065-03	8.2105-02	1.0579+05	1.3181-03	7.1680+00
349	484.99	6.4909+00	1.2474+00	3.9560-03	1.2474+00	3.9560-03	2.7521-03	6.2655-02	8.0728+04	1.0055-03	8.1130+00
350	468.14	1.4748+00	2.5838-01	8.0902-04	2.5838-01	8.0902-04	5.6282-04	1.2813-02	1.6509+04	2.0548-04	8.6180+00
352	490.37	2.3075+00	4.2415-01	1.3507-03	4.2415-01	1.3507-03	9.3966-04	2.1392-02	2.7563+04	3.4339-04	7.1680+00
354	491.87	3.7138+00	7.1504-01	2.2796-03	7.1504-01	2.2796-03	1.5859-03	3.6105-02	4.6519+04	5.7960-04	8.1130+00
357	490.84	4.3558+00	7.9871-01	2.5444-03	7.9871-01	2.5444-03	1.7701-03	4.0298-02	5.1922+04	6.4688-04	7.1680+00
359	487.53	2.7948+00	5.0156-01	1.5937-03	5.0156-01	1.5937-03	1.1087-03	2.5241-02	3.2522+04	4.0513-04	8.1130+00
401	471.62	1.7806+01	1.4928+00	4.6863-03	1.4928+00	4.6863-03	3.2602-03	7.4221-02	9.5631+04	1.1905-03	4.5500-01
403	457.60	8.0083+00	6.5720-01	2.0416-03	6.5720-01	2.0416-03	1.4203-03	3.2334-02	4.1661+04	5.1831-04	6.8600-01
404	419.95	-2.9979+01	-2.4109+00	-7.2850-03	-2.4109+00	-7.2850-03	-5.0681-03	-1.1538-01	-1.4866+05	-1.8466-03	8.0100-01
405	478.37	3.0321+01	2.5231+00	7.9616-03	2.5231+00	7.9616-03	5.5387-03	1.2609-01	1.6247+05	2.0230-03	1.0510+00
406	494.83	4.7954+01	4.0577+00	1.2966-02	4.0577+00	1.2966-02	9.0203-03	2.0536-01	2.6459+05	3.2970-03	1.1670+00
407	505.87	5.7418+01	4.9804+00	1.6051-02	4.9804+00	1.6051-02	1.1166-02	2.5421-01	3.2754+05	4.0833-03	1.2830+00
408	464.44	1.1782+01	9.5976-01	2.9968-03	9.5976-01	2.9968-03	2.0848-03	4.7463-02	6.1154+04	7.6104-04	5.1300-01
409	449.96	4.9127+00	4.0347-01	1.2463-03	4.0347-01	1.2463-03	8.6701-04	1.9738-02	2.5432+04	3.1630-04	5.7000-01
410	462.38	1.1514+01	9.1959-01	2.8670-03	9.1959-01	2.8670-03	1.9945-03	4.5406-02	5.8504+04	7.2800-04	6.2800-01
411	450.53	5.1496+00	4.2309-01	1.3074-03	4.2309-01	1.3074-03	9.0954-04	2.0707-02	2.6680+04	3.3182-04	6.8600-01
412	469.82	1.1582+01	9.5831-01	3.0044-03	9.5831-01	3.0044-03	2.0901-03	4.7583-02	6.1309+04	7.6314-04	7.4400-01
413	449.43	5.2779+00	4.3588-01	1.3458-03	4.3588-01	1.3458-03	9.3628-04	2.1315-02	2.7464+04	3.4156-04	8.0100-01
414	469.40	2.0584+01	1.7027+00	5.3365-03	1.7027+00	5.3365-03	3.7125-03	8.4520-02	1.0890+05	1.3555-03	8.5900-01
415	446.17	6.0774+00	4.9782-01	1.5334-03	4.9782-01	1.5334-03	1.0668-03	2.4286-02	3.1291+04	3.8911-04	9.1700-01
416	467.02	1.3052+01	1.0069+00	3.1502-03	1.0069+00	3.1502-03	2.1915-03	4.9892-02	6.4283+04	8.0007-04	5.7000-01
417	490.85	4.0187+01	3.3715+00	1.0740-02	3.3715+00	1.0740-02	7.4719-03	1.7011-01	2.1918+05	2.7306-03	1.0520+00

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22 1 1.91 -10.09 .00 -.00 4C2 11 2.65 10.09 461.4 1725.7

8.39367+01 9.86303-03 7.03451-01 4.53142+03 9.85872-06 6.79887-08 5.51253-02 7.72000+00 7.02399-06 7.47258-02

1	470.20	2.2421+01	3.8002+00	1.1910-02	3.8002+00	1.1910-02	8.2864-03	1.8864-01	2.4302+05	3.0268-03	4.1100-01
2	478.91	3.0128+01	5.1360+00	1.6203-02	5.1360+00	1.6203-02	1.1273-02	2.5663-01	3.3061+05	4.1193-03	7.1100-01
3	471.99	3.3739+01	5.7253+00	1.7968-02	5.7253+00	1.7968-02	1.2501-02	2.8458-01	3.6662+05	4.5666-03	1.3070+00
4	496.64	5.0096+01	8.6394+00	2.7628-02	8.6394+00	2.7628-02	1.9221-02	4.3757-01	5.6372+05	7.0291-03	1.6410+00
5	483.75	3.4736+01	6.2183+00	1.9690-02	6.2183+00	1.9690-02	1.3699-02	3.1185-01	4.0175+05	5.0067-03	1.7720+00
6	471.05	7.4681+00	1.2480+00	3.9138-03	1.2480+00	3.9138-03	2.7230-03	6.1987-02	7.9857+04	9.9466-04	2.4660+00
7	446.37	3.5153+00	5.7599-01	1.7734-03	5.7599-01	1.7734-03	1.2338-03	2.8087-02	3.6184+04	4.5022-04	3.0090+00
8	438.81	6.0790+00	9.8199-01	3.0066-03	9.8199-01	3.0066-03	2.0918-03	4.7618-02	6.1347+04	7.6306-04	3.3930+00
9	437.21	6.3745+00	1.0286+00	3.1456-03	1.0286+00	3.1456-03	2.1885-03	4.9820-02	6.4183+04	7.9828-04	3.7770+00
10	462.03	6.0364+00	9.9371-01	3.0954-03	9.9371-01	3.0954-03	2.1535-03	4.9024-02	6.3158+04	7.8635-04	5.3230+00
14	459.15	2.2457+01	3.7781+00	1.1743-02	3.7781+00	1.1743-02	8.1702-03	1.8599-01	2.3961+05	2.9829-03	1.0880+00
15	480.77	4.5378+01	7.7452+00	2.4469-02	7.7452+00	2.4469-02	1.7024-02	3.8755-01	4.9927+05	6.2213-03	1.3070+00
16	475.63	3.7391+01	6.3603+00	2.0016-02	6.3603+00	2.0016-02	1.3926-02	3.1701-01	4.0840+05	5.0878-03	1.6410+00
19	464.02	1.0474+01	1.6077+00	5.0154-03	1.6077+00	5.0154-03	3.4894-03	7.9433-02	1.0233+05	1.2742-03	4.1100-01
20	453.59	7.7070+00	1.2313+00	3.8113-03	1.2313+00	3.8113-03	2.6516-03	6.0363-02	7.7765+04	9.6788-04	7.1100-01
21	452.04	1.5991+01	2.5912+00	8.0116-03	2.5912+00	8.0116-03	5.5739-03	1.2689-01	1.6347+05	2.0344-03	1.0880+00
22	461.94	3.5756+01	5.8682+00	1.8278-02	5.8682+00	1.8278-02	1.2717-02	2.8948-01	3.7294+05	4.6434-03	1.3070+00
23	520.17	8.2599-02	1.3867-02	4.5166-05	1.3867-02	4.5166-05	3.1423-05	7.1533-04	9.2156+02	1.1503-05	1.6410+00
24	453.16	2.6369+00	4.3019-01	1.3312-03	4.3019-01	1.3312-03	9.2614-04	2.1083-02	2.7161+04	3.3805-04	3.0090+00
25	445.01	1.9169+00	3.0351-01	9.3354-04	3.0351-01	9.3354-04	6.4949-04	1.4785-02	1.9048+04	2.3699-04	3.3930+00
26	440.67	1.4161+00	2.2493-01	6.8961-04	2.2493-01	6.8961-04	4.7978-04	1.0922-02	1.4071+04	1.7503-04	3.7770+00
27	449.86	4.9268+00	7.8510-01	2.4235-03	7.8510-01	2.4235-03	1.6861-03	3.8383-02	4.9448+04	6.1535-04	7.1100-01
28	441.92	1.0530+01	1.6945+00	5.2001-03	1.6945+00	5.2001-03	3.6178-03	8.2358-02	1.0610+05	1.3199-03	1.0880+00
29	458.64	2.9304+01	4.8418+00	1.5044-02	4.8418+00	1.5044-02	1.0466-02	2.3826-01	3.0695+05	3.8212-03	1.3070+00
30	474.95	3.8203+01	6.4005+00	2.0132-02	6.4005+00	2.0132-02	1.4006-02	3.1885-01	4.1077+05	5.1172-03	1.6410+00
31	468.44	2.3292+01	3.9431+00	1.2342-02	3.9431+00	1.2342-02	8.5867-03	1.9547-01	2.5183+05	3.1362-03	1.7720+00
32	478.75	1.0125+01	1.7006+00	5.3644-03	1.7006+00	5.3644-03	3.7322-03	8.4961-02	1.0946+05	1.3638-03	2.4660+00
33	454.00	5.9242+00	9.8156-01	3.0392-03	9.8156-01	3.0392-03	2.1145-03	4.8135-02	6.2013+04	7.7183-04	3.0090+00
34	440.72	3.1548+00	5.1030-01	1.5646-03	5.1030-01	1.5646-03	1.0885-03	2.4780-02	3.1924+04	3.9712-04	3.3930+00
35	437.88	2.7003+00	4.1759-01	1.2777-03	4.1759-01	1.2777-03	8.8892-04	2.0236-02	2.6070+04	3.2425-04	3.7770+00
36	459.71	2.8350+01	4.6318+00	1.4403-02	4.6318+00	1.4403-02	1.0020-02	2.2811-01	2.9387+05	3.6585-03	1.3070+00
37	478.60	1.0448+01	1.7755+00	5.6001-03	1.7755+00	5.6001-03	3.8961-03	8.8694-02	1.1426+05	1.4237-03	2.4660+00
38	453.74	7.3065+00	1.1925+00	3.6916-03	1.1925+00	3.6916-03	2.5684-03	5.8468-02	7.5324+04	9.3750-04	3.0090+00
39	437.80	3.6099+00	5.7923-01	1.7721-03	5.7923-01	1.7721-03	1.2329-03	2.8067-02	3.6159+04	4.4974-04	3.3930+00
40	435.60	1.7574+00	2.7900-01	8.5222-04	2.7900-01	8.5222-04	5.9291-04	1.3497-02	1.7389+04	2.1626-04	3.7770+00
41	442.83	1.3896+00	2.1699-01	6.6635-04	2.1699-01	6.6635-04	4.6360-04	1.0554-02	1.3596+04	1.6914-04	4.1620+00
43	457.48	9.8961-01	1.6436-01	5.1022-04	1.6436-01	5.1022-04	3.5497-04	8.0808-03	1.0410+04	1.2959-04	5.3230+00
47	458.10	1.0784+01	1.7441+00	5.4169-03	1.7441+00	5.4169-03	3.7687-03	8.5793-02	1.1053+05	1.3759-03	7.1100-01
48	460.78	1.8132+01	2.9913+00	9.3090-03	2.9913+00	9.3090-03	6.4766-03	1.4744-01	1.8994+05	2.3648-03	1.0880+00
49	454.76	2.3154+01	3.8270+00	1.1856-02	3.8270+00	1.1856-02	8.2488-03	1.8778-01	2.4192+05	3.0111-03	1.3070+00
50	474.65	3.1171+01	5.2524+00	1.6517-02	5.2524+00	1.6517-02	1.1491-02	2.6159-01	3.3701+05	4.1983-03	1.6410+00
51	471.98	2.0715+01	3.5151+00	1.1032-02	3.5151+00	1.1032-02	7.6751-03	1.7472-01	2.2509+05	2.8037-03	1.7720+00
52	465.68	2.6888+00	4.5436-01	1.4192-03	4.5436-01	1.4192-03	9.8736-04	2.2477-02	2.8957+04	3.6059-04	2.4660+00
53	444.89	4.0197+00	6.5209-01	2.0055-03	6.5209-01	2.0055-03	1.3953-03	3.1763-02	4.0920+04	5.0911-04	3.0090+00
54	436.04	3.4535+00	5.5011-01	1.6809-03	5.5011-01	1.6809-03	1.1694-03	2.6622-02	3.4297+04	4.2655-04	3.3930+00
55	437.76	3.2499+00	5.0885-01	1.5568-03	5.0885-01	1.5568-03	1.0831-03	2.4656-02	3.1764+04	3.9508-04	3.7770+00
56	452.37	4.9174+00	7.5607-01	2.3382-03	7.5607-01	2.3382-03	1.6268-03	3.7032-02	4.7709+04	5.9376-04	4.1100-01
57	469.34	1.8830+01	3.0498+00	9.5522-03	3.0498+00	9.5522-03	6.6458-03	1.5129-01	1.9490+05	2.4274-03	7.1100-01
58	454.57	1.8934+01	3.1105+00	9.6352-03	3.1105+00	9.6352-03	6.7035-03	1.5260-01	1.9660+05	2.4470-03	1.0880+00
59	451.38	1.9839+01	3.2619+00	1.0080-02	3.2619+00	1.0080-02	7.0131-03	1.5965-01	2.0568+05	2.5597-03	1.3070+00
60	459.25	1.7943+01	2.9747+00	9.2468-03	2.9747+00	9.2468-03	6.4333-03	1.4645-01	1.8867+05	2.3488-03	1.6410+00
61	442.44	1.5709+00	2.5364-01	7.7866-04	2.5364-01	7.7866-04	5.4174-04	1.2332-02	1.5888+04	1.9765-04	3.0090+00
62	435.75	2.4914+00	3.9678-01	1.2121-03	3.9678-01	1.2121-03	8.4331-04	1.9197-02	2.4732+04	3.0759-04	3.3930+00
63	441.46	2.1517+00	3.3777-01	1.0362-03	3.3777-01	1.0362-03	7.2089-04	1.6411-02	2.1142+04	2.6300-04	3.7770+00
64	449.20	1.4136+01	2.3621+00	7.2879-03	2.3621+00	7.2879-03	5.0704-03	1.1543-01	1.4870+05	1.8504-03	1.0880+00
65	441.69	1.2444+01	2.0686+00	6.3470-03	2.0686+00	6.3470-03	4.4158-03	1.0052-01	1.2950+05	1.6110-03	1.3070+00
66	453.94	1.4140+01	2.3704+00	7.3393-03	2.3704+00	7.3393-03	5.1062-03	1.1624-01	1.4975+05	1.8639-03	1.6410+00
69	453.34	6.6992+00	1.1226+00	3.4743-03	1.1226+00	3.4743-03	2.4172-03	5.5025-02	7.0889+04	8.8229-04	4.1100-01
70	439.03	1.2410+00	2.0593-01	6.3059-04	2.0593-01	6.3059-04	4.3872-04	9.9873-03	1.2867+04	1.6004-04	7.1100-01
71	436.75	3.7720+00	6.2306-01	1.9048-03	6.2306-01	1.9048-03	1.3252-03	3.0168-02	3.8865+04	4.8338-04	1.3070+00
72	444.38	4.3616+00	7.2640-01	2.2332-03	7.2640-01	2.2332-03	1.5537-03	3.5369-02	4.5566+04	5.6690-04	1.6410+00
73	452.25	1.7081+00	2.7514-01	8.5082-04	2.7514-01	8.5082-04	5.9194-04	1.3475-02	1.7360+04	2.1605-04	3.7770+00
74	468.82	1.8384+00	3.0403-01	9.5188-04	3.0403-01	9.5188-04	6.6225-04	1.5076-02	1.9422+04	2.4189-04	5.3230+00
77	436.16	3.3034+00	5.4224-01	1.6570-03	5.4224-01	1.6570-03	1.1528-03	2.6243-02	3.3809+04	4.2048-04	3.0090+00
78	431.31	4.6878+00	7.5783-01	2.3076-03	7.5783-01	2.3076-03	1.6054-03	3.6547-02	4.7083+04	5.8546-04	3.3930+00
79	434.88	4.1699+00	6.6369-01	2.0262-03	6.6369-01	2.0262-03	1.4097-03	3.2091-02	4.1343+04	5.1415-04	3.7770+00
80	472.52	8.0644+00	1.3730+00	4.3106-03	1.3730+00	4.3106-03	2.9990-03	6.8270-02	8.7953+04	1.0956-03	2.4660+00
81	441.81	3.6987+00	6.0952-01	1.8703-03	6.0952-01	1.8703-03	1.3012-03	2.9622-02	3.8162+04	4.7474-04	3.0090+00
82	430.55	5.1288+00	8.3116-01	2.5295-03	8.3116-01	2.5295-03	1.7598-03	4.0061-02	5.1611+04	6.4173-04	3.3930+00
83	433.59	5.0374+00	8.1078-01	2.4729-03	8.1078-01	2.4729-03	1.7205-03	3.9166-02	5.0457+04	6.2747-04	3.7770+00
337	515.71	1.9074+01	3.6509+00	1.1849-02	3.6509+00	1.1849-02	8.2439-03	1.8767-01	2.4177+05	3.0172-03	7.1680+00
339	495.26	9.6956+00	1.8708+00	5.9764-03	1.8708+00	5.9764-03	4.1580-03	9.4654-02	1.2194+05	1.5204-03	8.1130+00
340	470.77	3.2296+00	6.0044-01	1.8827-03	6.0044-01	1.8827-03	1.3098-03	2.9817-02	3.8414+04	4.7845-04	8.6180+00
342	515.21	1.7851+01	3.5251+00	1.1437-02	3.5251+00	1.1437-02	7.9568-03	1.8113-01	2.3335+05	2.9121-03	7.1680+00
344	493.22	8.1642+00	1.5815+00	5.0442-03	1.5815+00	5.0442-03	3.5094-03	7.9889-02	1.0292+05	1.2832-03	8.1130+00
347	495.74	8.6114+00	1.6274+00	5.2008-03	1.6274+00	5.2008-03	3.6183-03	8.2370-02	1.0612+05	1.3231-03	7.1680+00
349	486.62	6.4473+00	1.2403+00	3.9361-03	1.2403+00	3.9361-03	2.7384-03	6.2339-02	8.0312+04	1.0010-03	8.1130+00
350	468.49	1.4457+00	2.5334-01	7.9298-04	2.5334-01	7.9298-04	5.5170-04	1.2559-02	1.6180+04	2.0151-04	8.6180+00
352	490.97	2.3049+00	4.2384-01	1.3495-03	4.2384-01	1.3495-03	9.3888-04	2.1373-02	2.7535+04	3.4325-04	7.1680+00
354	492.80	3.7423+00	7.2097-01	2.2988-03	7.2097-01	2.2988-03	1.5993-03	3.6408-02	4.6904+04	5.8476-04	8.1130+00
357	491.93	4.3673+00	8.0137-01	2.5534-03	8.0137-01	2.5534-03	1.7765-03	4.0441-02	5.2100+04	6.4951-04	7.1680+00
359	488.22	2.7875+00	5.0048-01	1.5902-03	5.0048-01	1.5902-03	1.1063-03	2.5185-02	3.2446+04	4.0443-04	8.1130+00
401	475.93	1.7038+01	1.4325+00	4.5091-03	1.4325+00	4.5091-03	3.1371-03	7.1414-02	9.2003+04	1.1462-03	4.5500-01
403	459.65	8.2265+00	6.7604-01	2.1021-03	6.7604-01	2.1021-03	1.4625-03	3.3292-02	4.2891+04	5.3396-04	6.8600-01
404	412.84	-1.8707+01	-1.4968+00	-4.4970-03	-1.4968+00	-4.4970-03	-3.1287-03	-7.1223-02	-9.1757+04	-1.1401-03	8.0100-01
405	485.91	2.9910+01	2.5012+00	7.9331-03	2.5012+00	7.9331-03	5.5193-03	1.2564-01	1.6187+05	2.0174-03	1.0510+00
406	506.49	4.5606+01	3.8880+00	1.2529-02	3.8880+00	1.2529-02	8.7165-03	1.9843-01	2.5563+05	3.1889-03	1.1670+00
407	519.93	5.5153+01	4.8266+00	1.5717-02	4.8266+00	1.5717-02	1.0935-02	2.4893-01	3.2069+05	4.0028-03	1.2830+00
408	467.39	1.1895+01	9.7081-01	3.0362-03	9.7081-01	3.0362-03	2.1124-03	4.8087-02	6.1951+04	7.7150-04	5.1300-01
409	451.13	4.8722+00	4.0046-01	1.2373-03	4.0046-01	1.2373-03	8.6084-04	1.9597-02	2.5246+04	3.1419-04	5.7000-01
410	465.23	1.1311+01	9.0510-01	2.8261-03	9.0510-01	2.8261-03	1.9662-03	4.4760-02	5.7664+04	7.1805-04	6.2800-01
411	451.78	5.1740+00	4.2546-01	1.3152-03	4.2546-01	1.3152-03	9.1501-04	2.0830-02	2.6835+04	3.3397-04	6.8600-01
412	472.82	1.2144+01	1.0069+00	3.1619-03	1.0069+00	3.1619-03	2.1998-03	5.0077-02	6.4515+04	8.0362-04	7.4400-01
413	450.73	5.0836+00	4.2021-01	1.2980-03	4.2021-01	1.2980-03	9.0302-04	2.0557-02	2.6483+04	3.2958-04	8.0100-01
414	474.44	1.9984+01	1.6586+00	5.2150-03	1.6586+00	5.2150-03	3.6282-03	8.2594-02	1.0641+05	1.3255-03	8.5900-01
415	447.71	6.2904+00	5.1581-01	1.5897-03	5.1581-01	1.5897-03	1.1060-03	2.5178-02	3.2436+04	4.0361-04	9.1700-01
416	470.23	1.2913+01	9.9836-01	3.1291-03	9.9836-01	3.1291-03	2.1770-03	4.9558-02	6.3845+04	7.9519-04	5.7000-01
417	500.52	3.7843+01	3.1947+00	1.0247-02	3.1947+00	1.0247-02	7.1292-03	1.6229-01	2.0908+05	2.6075-03	1.0520+00

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8.39457+01 9.86288-03 7.03440-01 4.53167+03 9.85751-06 6.79960-06 5.51156-02 7.72000+00 7.02484-06 7.47247-02

1	481.52	2.2670+01	3.8712+00	1.2232-02	3.8712+00	1.2232-02	8.5106-03	1.9373-01	2.4955+05	3.1110-03	4.1100-01
2	494.01	3.0389+01	5.2318+00	1.6689-02	5.2318+00	1.6689-02	1.1612-02	2.6432-01	3.4049+05	4.2470-03	7.1100-01
3	488.68	3.3155+01	5.6883+00	1.8072-02	5.6883+00	1.8072-02	1.2574-02	2.8622-01	3.6869+05	4.5977-03	1.3070+00
4	521.37	4.8738+01	8.5382+00	2.7822-02	8.5382+00	2.7822-02	1.9358-02	4.4064-01	5.6760+05	7.0884-03	1.6410+00
5	500.86	3.3861+01	6.1293+00	1.9656-02	6.1293+00	1.9656-02	1.3676-02	3.1131-01	4.0101+05	5.0034-03	1.7720+00
6	474.92	7.9075+00	1.3248+00	4.1651-03	1.3248+00	4.1651-03	2.8980-03	6.5966-02	8.4973+04	1.0590-03	2.4660+00
7	448.17	3.7429+00	6.1402-01	1.8922-03	6.1402-01	1.8922-03	1.3165-03	2.9968-02	3.8603+04	4.8056-04	3.0090+00
8	441.80	5.8977+00	9.5468-01	2.9281-03	9.5468-01	2.9281-03	2.0373-03	4.6375-02	5.9738+04	7.4346-04	3.3930+00
9	440.35	6.1548+00	9.9530-01	3.0495-03	9.9530-01	3.0495-03	2.1217-03	4.8297-02	6.2214+04	7.7422-04	3.7770+00
10	465.05	6.0400+00	9.9634-01	3.1092-03	9.9634-01	3.1092-03	2.1633-03	4.9243-02	6.3432+04	7.9021-04	5.3230+00
14	470.53	2.2918+01	3.8852+00	1.2174-02	3.8852+00	1.2174-02	8.4707-03	1.9282-01	2.4838+05	3.0949-03	1.0880+00
15	502.87	4.3245+01	7.4878+00	2.4050-02	7.4878+00	2.4050-02	1.6733-02	3.8090-01	4.9065+05	6.1224-03	1.3070+00
16	494.10	3.6540+01	6.2913+00	2.0070-02	6.2913+00	2.0070-02	1.3964-02	3.1787-01	4.0946+05	5.1074-03	1.6410+00
19	469.31	1.0514+01	1.6196+00	5.0703-03	1.6196+00	5.0703-03	3.5278-03	8.0303-02	1.0344+05	1.2889-03	4.1100-01
20	457.55	7.9792+00	1.2782+00	3.9665-03	1.2782+00	3.9665-03	2.7598-03	6.2821-02	8.0922+04	1.0078-03	7.1100-01
21	459.96	1.5856+01	2.5832+00	8.0305-03	2.5832+00	8.0305-03	5.5875-03	1.2719-01	1.6383+05	2.0406-03	1.0880+00
22	479.93	3.5309+01	5.8647+00	1.8508-02	5.8647+00	1.8508-02	1.2878-02	2.9313-01	3.7759+05	4.7069-03	1.3070+00
23	520.22	6.9610-02	1.1687-02	3.8048-05	1.1687-02	3.8048-05	2.6473-05	6.0260-04	7.7624+02	9.6934-06	1.6410+00
24	454.51	2.6836+00	4.3822-01	1.3568-03	4.3822-01	1.3568-03	9.4403-04	2.1489-02	2.7681+04	3.4468-04	3.0090+00
25	445.94	1.8255+00	2.8922-01	8.8980-04	2.8922-01	8.8980-04	6.1910-04	1.4093-02	1.8153+04	2.2596-04	3.3930+00
26	441.38	1.4426+00	2.2925-01	7.0291-04	2.2925-01	7.0291-04	4.8907-04	1.1133-02	1.4340+04	1.7847-04	3.7770+00
27	452.20	4.6457+00	7.4150-01	2.2919-03	7.4150-01	2.2919-03	1.5946-03	3.6298-02	4.6757+04	5.8217-04	7.1100-01
28	447.24	1.0663+01	1.7221+00	5.3033-03	1.7221+00	5.3033-03	3.6899-03	8.3993-02	1.0819+05	1.3468-03	1.0880+00
29	473.27	2.8860+01	4.8155+00	1.5120-02	4.8155+00	1.5120-02	1.0520-02	2.3948-01	3.0848+05	3.8443-03	1.3070+00
30	493.80	3.7361+01	6.3372+00	2.0212-02	6.3372+00	2.0212-02	1.4063-02	3.2012-01	4.1236+05	5.1434-03	1.6410+00
31	480.09	2.3153+01	3.9500+00	1.2467-02	3.9500+00	1.2467-02	8.6743-03	1.9745-01	2.5435+05	3.1706-03	1.7720+00
32	483.81	1.6096+01	1.7013+00	5.3850-03	1.7013+00	5.3850-03	3.7468-03	8.5288-02	1.0986+05	1.3697-03	2.4660+00
33	457.07	6.1132+00	1.0150+00	3.1466-03	1.0150+00	3.1486-03	2.1907-03	4.9867-02	6.4236+04	7.9996-04	3.0090+00
34	442.32	3.2655+00	5.2878-01	1.6225-03	5.2878-01	1.6225-03	1.1289-03	2.5697-02	3.3101+04	4.1196-04	3.3930+00
35	439.20	2.6426+00	4.0905-01	1.2522-03	4.0905-01	1.2522-03	8.7126-04	1.9832-02	2.5547+04	3.1791-04	3.7770+00
36	473.84	2.7876+01	4.5978+00	1.4443-02	4.5978+00	1.4443-02	1.0049-02	2.2875-01	2.9466+05	3.6721-03	1.3070+00
37	483.89	1.0612+01	1.8098+00	5.7286-03	1.8098+00	5.7286-03	3.9858-03	9.0729-02	1.1687+05	1.4571-03	2.4660+00
38	457.47	7.4592+00	1.2205+00	3.7872-03	1.2205+00	3.7872-03	2.6350-03	5.9981-02	7.7264+04	9.6221-04	3.0090+00
39	439.69	3.5527+00	5.7081-01	1.7480-03	5.7081-01	1.7480-03	1.2162-03	2.7685-02	3.5662+04	4.4379-04	3.3930+00
40	436.45	1.7584+00	2.7933-01	8.5339-04	2.7933-01	8.5339-04	5.9377-04	1.3516-02	1.7411+04	2.1663-04	3.7770+00
41	443.51	1.3756+00	2.1490-01	6.5997-04	2.1490-01	6.5997-04	4.5919-04	1.0453-02	1.3464+04	1.6758-04	4.1620+00
43	457.98	1.0421+00	1.7313-01	5.3742-04	1.7313-01	5.3742-04	3.7392-04	8.5115-03	1.0964+04	1.3655-04	5.3230+00
47	463.38	1.0528+01	1.7088+00	5.3258-03	1.7088+00	5.3258-03	3.7056-03	8.4350-02	1.0865+05	1.3535-03	7.1100-01
48	469.83	1.7912+01	2.9730+00	9.3109-03	2.9730+00	9.3109-03	6.4783-03	1.4746-01	1.8996+05	2.3669-03	1.0880+00
49	466.33	2.2984+01	3.8288+00	1.1960-02	3.8288+00	1.1960-02	8.3212-03	1.8941-01	2.4399+05	3.0397-03	1.3070+00
50	490.12	3.0702+01	5.2263+00	1.6622-02	5.2263+00	1.6622-02	1.1565-02	2.6326-01	3.3911+05	4.2291-03	1.6410+00
51	482.27	2.0482+01	3.4993+00	1.1063-02	3.4993+00	1.1063-02	7.6974-03	1.7521-01	2.2570+05	2.8138-03	1.7720+00
52	467.04	2.7506+00	4.6523-01	1.4540-03	4.6523-01	1.4540-03	1.0116-03	2.3028-02	2.9663+04	3.6956-04	2.4660+00
53	446.89	4.0151+00	6.5223-01	2.0080-03	6.5223-01	2.0080-03	1.3971-03	3.1802-02	4.0966+04	5.0995-04	3.0090+00
54	437.81	3.4951+00	5.5742-01	1.7047-03	5.5742-01	1.7047-03	1.1861-03	2.6998-02	3.4778+04	4.3275-04	3.3930+00
55	439.40	3.1844+00	4.9916-01	1.5283-03	4.9916-01	1.5283-03	1.0634-03	2.4205-02	3.1180+04	3.8800-04	3.7770+00
56	455.20	5.6073+00	8.6380-01	2.6758-03	8.6380-01	2.6758-03	1.8618-03	4.2379-02	5.4591+04	6.7979-04	4.1100-01
57	478.51	1.7987+01	2.9310+00	9.2400-03	2.9310+00	9.2400-03	6.4290-03	1.4634-01	1.8851+05	2.3498-03	7.1100-01
58	464.21	1.9375+01	3.2038+00	9.9914-03	3.2038+00	9.9914-03	6.9518-03	1.5824-01	2.0384+05	2.5393-03	1.0880+00
59	461.23	1.9792+01	3.2759+00	1.0194-02	3.2759+00	1.0194-02	7.0924-03	1.6144-01	2.0796+05	2.5903-03	1.3070+00
60	468.30	1.8092+01	3.0178+00	9.4405-03	3.0178+00	9.4405-03	6.5685-03	1.4952-01	1.9260+05	2.3997-03	1.6410+00
61	443.28	1.6883+00	2.7275-01	8.3748-04	2.7275-01	8.3748-04	5.8270-04	1.3264-02	1.7086+04	2.1265-04	3.0090+00
62	437.00	2.4888+00	3.9672-01	1.2125-03	3.9672-01	1.2125-03	8.4363-04	1.9203-02	2.4737+04	3.0780-04	3.3930+00
63	442.51	2.0956+00	3.2920-01	1.0102-03	3.2920-01	1.0102-03	7.0289-04	1.6000-02	2.0610+04	2.5651-04	3.7770+00
64	456.11	1.3979+01	2.3470+00	7.2752-03	2.3470+00	7.2752-03	5.0619-03	1.1522-01	1.4842+05	1.8483-03	1.0880+00
65	447.96	1.2445+01	2.0777+00	6.4017-03	2.0777+00	6.4017-03	4.4542-03	1.0139-01	1.3060+05	1.6258-03	1.3070+00
66	461.15	1.4538+01	2.4492+00	7.6205-03	2.4492+00	7.6205-03	5.3022-03	1.2069-01	1.5547+05	1.9365-03	1.6410+00
69	456.96	7.4722+00	1.2552+00	3.8935-03	1.2552+00	3.8935-03	2.7090-03	6.1664-02	7.9433+04	9.8920-04	4.1100-01
70	439.67	1.3070+00	2.1697-01	6.6443-04	2.1697-01	6.6443-04	4.6230-04	1.0523-02	1.3555+04	1.6869-04	7.1100-01
71	438.65	3.7179+00	6.1495-01	1.8818-03	6.1495-01	1.8818-03	1.3093-03	2.9803-02	3.8391+04	4.7772-04	1.3070+00
72	446.48	4.1813+00	6.9739-01	2.1464-03	6.9739-01	2.1464-03	1.4934-03	3.3994-02	4.3789+04	5.4508-04	1.6410+00
73	453.22	2.0104+00	3.2406-01	1.0024-03	3.2406-01	1.0024-03	6.9742-04	1.5875-02	2.0450+04	2.5462-04	3.7770+00
74	469.77	1.8951+00	3.1359-01	9.8207-04	3.1359-01	9.8207-04	6.8330-04	1.5554-02	2.0036+04	2.4965-04	5.3230+00
77	437.84	3.4291+00	5.6353-01	1.7234-03	5.6353-01	1.7234-03	1.1991-03	2.7295-02	3.5160+04	4.3750-04	3.0090+00
78	433.65	4.6899+00	7.5941-01	2.3153-03	7.5941-01	2.3153-03	1.6109-03	3.6670-02	4.7236+04	5.8766-04	3.3930+00
79	436.97	4.1470+00	6.6101-01	2.0202-03	6.6101-01	2.0202-03	1.4056-03	3.1996-02	4.1216+04	5.1284-04	3.7770+00
80	476.62	8.3314+00	1.4223+00	4.4773-03	1.4223+00	4.4773-03	3.1152-03	7.0910-02	9.1343+04	1.1385-03	2.4660+00
81	443.68	3.6836+00	6.0782-01	1.8669-03	6.0782-01	1.8669-03	1.2989-03	2.9567-02	3.8087+04	4.7404-04	3.0090+00
82	433.12	5.1294+00	8.3274-01	2.5379-03	8.3274-01	2.5379-03	1.7658-03	4.0195-02	5.1777+04	6.4415-04	3.3930+00
83	436.12	5.1283+00	8.2687-01	2.5256-03	8.2687-01	2.5256-03	1.7572-03	4.0000-02	5.1525+04	6.4110-04	3.7770+00
337	525.20	1.8917+01	3.6424+00	1.1905-02	3.6424+00	1.1905-02	8.2830-03	1.8855-01	2.4287+05	3.0336-03	7.1680+00
339	500.10	9.6712+00	1.8720+00	5.9996-03	1.8720+00	5.9996-03	4.1744-03	9.5020-02	1.2240+05	1.5271-03	8.1130+00
340	472.41	3.2473+00	6.0438-01	1.8965-03	6.0438-01	1.8965-03	1.3195-03	3.0037-02	3.8691+04	4.8216-04	8.6180+00
342	524.09	1.7809+01	3.5364+00	1.1548-02	3.5364+00	1.1548-02	8.0348-03	1.8290-01	2.3560+05	2.9425-03	7.1680+00
344	497.29	8.1065+00	1.5745+00	5.0351-03	1.5745+00	5.0351-03	3.5033-03	7.9746-02	1.0272+05	1.2815-03	8.1130+00
347	500.05	8.5990+00	1.6296+00	5.2227-03	1.6296+00	5.2227-03	3.6338-03	8.2716-02	1.0655+05	1.3294-03	7.1680+00
349	489.83	6.4286+00	1.2393+00	3.9407-03	1.2393+00	3.9407-03	2.7419-03	6.2413-02	8.0397+04	1.0026-03	8.1130+00
350	469.22	1.5413+00	2.7022-01	8.4591-04	2.7022-01	8.4591-04	5.8856-04	1.3397-02	1.7258+04	2.1503-04	8.6180+00
352	492.10	2.2083+00	4.0637-01	1.2944-03	4.0637-01	1.2944-03	9.0061-04	2.0501-02	2.6408+04	3.2936-04	7.1680+00
354	494.66	3.6426+00	7.0260-01	2.2424-03	7.0260-01	2.2424-03	1.5602-03	3.5515-02	4.5748+04	5.7064-04	8.1130+00
357	494.13	4.4109+00	8.1053-01	2.5858-03	8.1053-01	2.5858-03	1.7991-03	4.0954-02	5.2754+04	6.5802-04	7.1680+00
359	489.60	2.7294+00	4.9047-01	1.5593-03	4.9047-01	1.5593-03	1.0849-03	2.4696-02	3.1812+04	3.9673-04	8.1130+00
401	484.15	1.5781+01	1.3340+00	4.2233-03	1.3340+00	4.2233-03	2.9385-03	6.6888-02	8.6161+04	1.0743-03	4.5500-01
403	463.79	8.3294+00	6.8641-01	2.1400-03	6.8641-01	2.1400-03	1.4890-03	3.3893-02	4.3659+04	5.4386-04	6.8600-01
404	408.05	-1.7057+01	-1.3601+00	-4.0705-03	-1.3601+00	-4.0705-03	-2.8322-03	-6.4469-02	-8.3049+04	-1.0321-03	8.0100-01
405	500.63	2.8765+01	2.4286+00	7.7867-03	2.4286+00	7.7867-03	5.4178-03	1.2332-01	1.5886+05	1.9821-03	1.0510+00
406	528.26	4.1677+01	3.6020+00	1.1801-02	3.6020+00	1.1801-02	8.2108-03	1.8690-01	2.4076+05	3.0076-03	1.1670+00
407	546.42	5.0957+01	4.5328+00	1.5067-02	4.5328+00	1.5067-02	1.0483-02	2.3863-01	3.0738+05	3.8430-03	1.2830+00
408	473.37	1.1944+01	9.7874-01	3.0734-03	9.7874-01	3.0734-03	2.1384-03	4.8677-02	6.2703+04	7.8141-04	5.1300-01
409	453.70	5.4535+00	4.4963-01	1.3894-03	4.4963-01	1.3894-03	9.6672-04	2.2005-02	2.8346+04	3.5295-04	5.7000-01
410	470.79	1.1148+01	8.9538-01	2.8062-03	8.9538-01	2.8062-03	1.9525-03	4.4445-02	5.7251+04	7.1339-04	6.2800-01
411	454.45	5.7844+00	4.7651-01	1.4753-03	4.7651-01	1.4753-03	1.0265-03	2.3365-02	3.0098+04	3.7478-04	6.8600-01
412	478.96	1.1700+01	9.7395-01	3.0714-03	9.7395-01	3.0714-03	2.1370-03	4.8645-02	6.2661+04	7.8108-04	7.4400-01
413	453.32	5.4203+00	4.4883-01	1.3884-03	4.4883-01	1.3884-03	9.6602-04	2.1989-02	2.8329+04	3.5269-04	8.0100-01
414	484.19	1.9076+01	1.5935+00	5.0452-03	1.5935+00	5.0452-03	3.5103-03	7.9905-02	1.0293+05	1.2833-03	8.5900-01
415	450.94	6.5345+00	5.3702-01	1.6583-03	5.3702-01	1.6583-03	1.1538-03	2.6264-02	3.3831+04	4.2121-04	9.1700-01
416	476.63	1.2679+01	9.8443-01	3.0990-03	9.8443-01	3.0990-03	2.1562-03	4.9081-02	6.3223+04	7.8801-04	5.7000-01
417	518.50	3.4414+01	2.9386+00	9.5539-03	2.9386+00	9.5539-03	6.6474-03	1.5131-01	1.9491+05	2.4338-03	1.0520+00

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8.39960+01 9.81584-03 7.00034-01 4.53286+03 9.80463-06 6.80367-08 5.48016-02 7.72000+00 7.02962-06 7.47187-02

1	456.30	1.6921+01	2.8412+00	8.8073-03	2.8412+00	8.8073-03	6.1594-03	1.3996-01	1.7956+05	2.2364-03	4.1100-01
2	464.84	4.6369+01	7.8310+00	2.4430-02	7.8310+00	2.4430-02	1.7085-02	3.8821-01	4.9807+05	6.2056-03	7.1100-01
3	454.79	4.1051+01	6.8859+00	2.1321-02	6.8859+00	2.1321-02	1.4911-02	3.3881-01	4.3468+05	5.4136-03	1.3070+00
4	459.52	3.3349+01	5.6119+00	1.7438-02	5.6119+00	1.7438-02	1.2195-02	2.7710-01	3.5551+05	4.4285-03	1.6410+00
5	467.61	2.0612+01	3.6507+00	1.1412-02	3.6507+00	1.1412-02	7.9812-03	1.8135-01	2.3267+05	2.8993-03	1.7720+00
6	483.27	8.6597+00	1.4588+00	4.6149-03	1.4588+00	4.6149-03	3.2274-03	7.3335-02	9.4087+04	1.1732-03	2.4660+00
7	458.17	6.9086+00	1.1411+00	3.5422-03	1.1411+00	3.5422-03	2.4772-03	5.6289-02	7.2217+04	8.9953-04	3.0090+00
8	447.38	7.8120+00	1.2694+00	3.9090-03	1.2694+00	3.9090-03	2.7338-03	6.2118-02	7.9696+04	9.9223-04	3.3930+00
9	444.03	8.5429+00	1.3850+00	4.2544-03	1.3850+00	4.2544-03	2.9753-03	6.7606-02	8.6736+04	1.0797-03	3.7770+00
10	464.40	7.4166+00	1.2229+00	3.8137-03	1.2229+00	3.8137-03	2.6671-03	6.0603-02	7.7752+04	9.6873-04	5.3230+00
14	451.75	4.1577+01	6.9596+00	2.1501-02	6.9596+00	2.1501-02	1.5036-02	3.4167-01	4.3835+05	5.4585-03	1.0880+00
15	444.33	2.8226+01	4.7008+00	1.4443-02	4.7008+00	1.4443-02	1.0101-02	2.2951-01	2.9446+05	3.6656-03	1.3070+00
16	458.58	3.9996+01	6.7262+00	2.0885-02	6.7262+00	2.0885-02	1.4606-02	3.3189-01	4.2580+05	5.3038-03	1.6410+00
19	471.00	3.4037+01	5.2489+00	1.6451-02	5.2489+00	1.6451-02	1.1505-02	2.6142-01	3.3539+05	4.1799-03	4.1100-01
20	452.81	2.0158+01	3.2187+00	9.9515-03	3.2187+00	9.9515-03	6.9596-03	1.5814-01	2.0289+05	2.5266-03	7.1100-01
21	443.52	2.9578+01	4.7649+00	1.4631-02	4.7649+00	1.4631-02	1.0232-02	2.3250-01	2.9829+05	3.7132-03	1.0880+00
22	437.69	2.2620+01	3.6511+00	1.1163-02	3.6511+00	1.1163-02	7.8068-03	1.7739-01	2.2759+05	2.8324-03	1.3070+00
23	527.57	2.9194-01	4.9241-02	1.6121-04	4.9241-02	1.6121-04	1.1274-04	2.5618-03	3.2867+03	4.1062-05	1.6410+00
24	460.14	1.7055+00	2.7956-01	8.6906-04	2.7956-01	8.6906-04	6.0777-04	1.3810-02	1.7718+04	2.2071-04	3.0090+00
25	450.26	1.3205+00	2.0984-01	6.4756-04	2.0984-01	6.4756-04	4.5287-04	1.0290-02	1.3202+04	1.6439-04	3.3930+00
26	445.67	2.2722+00	3.6215-01	1.1138-03	3.6215-01	1.1138-03	7.7892-04	1.7699-02	2.2707+04	2.8269-04	3.7770+00
27	472.24	6.4975+01	1.0512+01	3.2976-02	1.0512+01	3.2976-02	2.3061-02	5.2402-01	6.7230+05	8.3791-03	7.1100-01
28	446.24	3.7998+01	6.1328+00	1.8869-02	6.1328+00	1.8869-02	1.3196-02	2.9985-01	3.8469+05	4.7893-03	1.0880+00
29	437.43	2.0521+01	3.3416+00	1.0215-02	3.3416+00	1.0215-02	7.1436-03	1.6232-01	2.0825+05	2.5917-03	1.3070+00
30	450.52	2.2648+01	3.7325+00	1.1520-02	3.7325+00	1.1520-02	8.0567-03	1.8307-01	2.3487+05	2.9246-03	1.6410+00
31	462.71	1.5204+01	2.5640+00	7.9862-03	2.5640+00	7.9862-03	5.5851-03	1.2691-01	1.6282+05	2.0284-03	1.7720+00
32	491.24	7.7403+00	1.3108+00	4.1718-03	1.3108+00	4.1718-03	2.9175-03	6.6294-02	8.5053+04	1.0609-03	2.4660+00
33	462.78	6.6384+00	1.1065+00	3.4465-03	1.1065+00	3.4465-03	2.4103-03	5.4768-02	7.0266+04	8.7539-04	3.0090+00
34	447.56	4.4509+00	7.2336-01	2.2278-03	7.2336-01	2.2278-03	1.5580-03	3.5401-02	4.5419+04	5.6548-04	3.3930+00
35	441.40	1.1901+00	1.8450-01	5.6564-04	1.8450-01	5.6564-04	3.9558-04	8.9886-03	1.1532+04	1.4354-04	3.7770+00
36	435.08	1.7308+01	2.7803+00	8.4843-03	2.7803+00	8.4843-03	5.9335-03	1.3482-01	1.7298+05	2.1525-03	1.3070+00
37	492.54	1.1202+01	1.9211+00	6.1204-03	1.9211+00	6.1204-03	4.2803-03	9.7260-02	1.2478+05	1.5566-03	2.4660+00
38	459.91	3.5065+00	5.7469-01	1.7862-03	5.7469-01	1.7862-03	1.2492-03	2.8385-02	3.6417+04	4.5364-04	3.0090+00
39	443.54	1.9631+00	3.1625-01	9.7108-04	3.1625-01	9.7108-04	6.7912-04	1.5431-02	1.9798+04	2.4645-04	3.3930+00
40	440.68	2.1018+00	3.3486-01	1.0261-03	3.3486-01	1.0261-03	7.1758-04	1.6305-02	2.0919+04	2.6038-04	3.7770+00
41	446.46	1.1719+00	1.8346-01	5.6456-04	1.8346-01	5.6456-04	3.9482-04	8.9713-03	1.1510+04	1.4330-04	4.1620+00
43	459.49	1.4712+00	2.4467-01	7.6022-04	2.4467-01	7.6022-04	5.3165-04	1.2081-02	1.5499+04	1.9307-04	5.3230+00
47	450.12	1.3989+01	2.2501+00	6.9430-03	2.2501+00	6.9430-03	4.8556-03	1.1033-01	1.4155+05	1.7626-03	7.1100-01
48	450.08	3.4607+01	5.6678+00	1.7488-02	5.6678+00	1.7488-02	1.2230-02	2.7790-01	3.5654+05	4.4395-03	1.0880+00
49	437.71	2.2450+01	3.6674+00	1.1213-02	3.6674+00	1.1213-02	7.8417-03	1.7818-01	2.2861+05	2.8450-03	1.3070+00
50	453.36	1.5303+01	2.5420+00	7.8625-03	2.5420+00	7.8625-03	5.4986-03	1.2494-01	1.6030+05	1.9962-03	1.6410+00
51	464.83	1.0582+01	1.7872+00	5.5753-03	1.7872+00	5.5753-03	3.8990-03	8.8597-02	1.1367+05	1.4162-03	1.7720+00
52	478.65	2.5465+00	4.3404-01	1.3682-03	4.3404-01	1.3682-03	9.5686-04	2.1742-02	2.7895+04	3.4776-04	2.4660+00
53	453.87	2.3065+00	3.7647-01	1.1649-03	3.7647-01	1.1649-03	8.1465-04	1.8511-02	2.3749+04	2.9576-04	3.0090+00
54	443.76	3.2951+00	5.2770-01	1.6206-03	5.2770-01	1.6206-03	1.1334-03	2.5753-02	3.3041+04	4.1130-04	3.3930+00
55	444.18	4.0473+00	6.3652-01	1.9554-03	6.3652-01	1.9554-03	1.3675-03	3.1074-02	3.9867+04	4.9628-04	3.7770+00
56	452.07	4.8021+00	7.3818-01	2.2810-03	7.3818-01	2.2810-03	1.5952-03	3.6248-02	4.6505+04	5.7911-04	4.1100-01
57	449.28	9.1839+00	1.4674+00	4.5250-03	1.4674+00	4.5250-03	3.1645-03	7.1907-02	9.2254+04	1.1487-03	7.1100-01
58	442.92	1.7563+01	2.8622+00	8.7849-03	2.8622+00	8.7849-03	6.1437-03	1.3960-01	1.7910+05	2.2295-03	1.0880+00
59	440.67	1.8673+01	3.0476+00	9.3382-03	3.0476+00	9.3382-03	6.5306-03	1.4839-01	1.9038+05	2.3697-03	1.3070+00
60	452.02	1.3989+01	2.3078+00	7.1309-03	2.3078+00	7.1309-03	4.9869-03	1.1332-01	1.4538+05	1.8104-03	1.6410+00
61	448.87	2.4094+00	3.9074-01	1.2046-03	3.9074-01	1.2046-03	8.4240-04	1.9141-02	2.4558+04	3.0577-04	3.0090+00
62	439.64	1.7818+00	2.8454-01	8.7121-04	2.8454-01	8.7121-04	6.0927-04	1.3844-02	1.7762+04	2.2107-04	3.3930+00
63	442.85	1.1231+00	1.7647-01	5.4161-04	1.7647-01	5.4161-04	3.7877-04	8.6067-03	1.1042+04	1.3745-04	3.7770+00
64	437.56	1.2628+01	2.0932+00	6.3994-03	2.0932+00	6.3994-03	4.4754-03	1.0169-01	1.3047+05	1.6237-03	1.0880+00
65	433.10	1.0131+01	1.6742+00	5.1015-03	1.6742+00	5.1015-03	3.5677-03	8.1068-02	1.0401+05	1.2941-03	1.3070+00
66	449.20	1.2611+01	2.1074+00	6.4981-03	2.1074+00	6.4981-03	4.5444-03	1.0326-01	1.3248+05	1.6495-03	1.6410+00
69	446.31	2.2405+00	3.7365-01	1.1497-03	3.7365-01	1.1497-03	8.0403-04	1.8270-02	2.3439+04	2.9181-04	4.1100-01
70	438.26	6.9247-01	1.1484-01	3.5126-04	1.1484-01	3.5126-04	2.4566-04	5.5819-03	7.1614+03	8.9128-05	7.1100-01
71	434.27	1.9948+00	3.2894-01	1.0032-03	3.2894-01	1.0032-03	7.0158-04	1.5942-02	2.0453+04	2.5450-04	1.3070+00
72	444.07	3.6005+00	5.9953-01	1.8416-03	5.9953-01	1.8416-03	1.2879-03	2.9265-02	3.7547+04	4.6740-04	1.6410+00
73	452.65	1.7179+00	2.7681-01	8.5571-04	2.7681-01	8.5571-04	5.9844-04	1.3598-02	1.7446+04	2.1725-04	3.7770+00
74	470.06	2.1974+00	3.6369-01	1.1391-03	3.6369-01	1.1391-03	7.9660-04	1.8101-02	2.3223+04	2.8941-04	5.3230+00
77	448.82	8.3886+00	1.3891+00	4.2820-03	1.3891+00	4.2820-03	2.9946-03	6.8044-02	8.7299+04	1.0870-03	3.0090+00
78	438.31	6.6748+00	1.0843+00	3.3168-03	1.0843+00	3.3168-03	2.3196-03	5.2708-02	6.7622+04	8.4160-04	3.3930+00
79	439.05	3.8977+00	6.2217-01	1.9041-03	6.2217-01	1.9041-03	1.3317-03	3.0259-02	3.8821+04	4.8316-04	3.7770+00
80	483.51	8.3200+00	1.4268+00	4.5144-03	1.4268+00	4.5144-03	3.1571-03	7.1738-02	9.2037+04	1.1476-03	2.4660+00
81	454.14	7.4426+00	1.2369+00	3.8281-03	1.2369+00	3.8281-03	2.6771-03	6.0832-02	7.8045+04	9.7196-04	3.0090+00
82	442.70	6.9481+00	1.1356+00	3.4847-03	1.1356+00	3.4847-03	2.4370-03	5.5375-02	7.1045+04	8.8435-04	3.3930+00
83	440.99	6.7226+00	1.0876+00	3.3334-03	1.0876+00	3.3334-03	2.3312-03	5.2970-02	6.7959+04	8.4589-04	3.7770+00
337	530.41	1.7873+01	3.4526+00	1.1329-02	3.4526+00	1.1329-02	7.9229-03	1.8003-01	2.3097+05	2.8860-03	7.1680+00
339	516.52	1.7116+01	3.3478+00	1.0866-02	3.3478+00	1.0866-02	7.5990-03	1.7267-01	2.2153+05	2.7663-03	8.1130+00
340	482.86	6.3507+00	1.1902+00	3.7638-03	1.1902+00	3.7638-03	2.6322-03	5.9811-02	7.6736+04	9.5682-04	8.6180+00
342	526.10	1.5930+01	3.1673+00	1.0358-02	3.1673+00	1.0358-02	7.2435-03	1.6459-01	2.1117+05	2.6380-03	7.1680+00
344	509.83	1.2508+01	2.4488+00	7.9064-03	2.4488+00	7.9064-03	5.5293-03	1.2564-01	1.6119+05	2.0123-03	8.1130+00
347	498.72	9.9938+00	1.8923+00	6.0574-03	1.8923+00	6.0574-03	4.2362-03	9.6258-02	1.2350+05	1.5409-03	7.1680+00
349	490.81	5.4499+00	1.0513+00	3.3449-03	1.0513+00	3.3449-03	2.3393-03	5.3154-02	6.8195+04	8.5062-04	8.1130+00
350	471.32	1.1148+00	1.9573-01	6.1358-04	1.9573-01	6.1358-04	4.2910-04	9.7503-03	1.2509+04	1.5590-04	8.6180+00
352	486.00	1.6062+00	2.9440-01	9.3326-04	2.9440-01	9.3326-04	6.5267-04	1.4830-02	1.9027+04	2.3728-04	7.1680+00
354	484.78	1.8509+00	3.5472-01	1.1234-03	3.5472-01	1.1234-03	7.8566-04	1.7852-02	2.2904+04	2.8561-04	8.1130+00
357	491.71	5.1693+00	9.4841-01	3.0196-03	9.4841-01	3.0196-03	2.1117-03	4.7984-02	6.1562+04	7.6792-04	7.1680+00
359	486.40	4.8961+00	8.7801-01	2.7841-03	8.7801-01	2.7841-03	1.9471-03	4.4243-02	5.6762+04	7.0788-04	8.1130+00
401	499.37	7.4707+01	6.3778+00	2.0426-02	6.3778+00	2.0426-02	1.4285-02	3.2459-01	4.1644+05	5.1962-03	4.5500-01
403	478.73	3.8997+01	3.2459+00	1.0233-02	3.2459+00	1.0233-02	7.1561-03	1.6261-01	2.0862+05	2.6008-03	6.8600-01
404	4157.16	5.1937-03	-2.8482-03	-2.2055-06	-2.8482-03	-2.2055-06	-1.5424-06	-3.5048-05	-4.4965+01	-4.8407-07	8.0100-01
405	501.96	7.9847+01	6.7470+00	2.1652-02	6.7470+00	2.1652-02	1.5142-02	3.4407-01	4.4143+05	5.5087-03	1.0510+00
406	487.40	7.5078+01	6.3223+00	2.0063-02	6.3223+00	2.0063-02	1.4031-02	3.1882-01	4.0904+05	5.1013-03	1.1670+00
407	485.89	7.1337+01	6.1085+00	1.9362-02	6.1085+00	1.9362-02	1.3541-02	3.0768-01	3.9475+05	4.9228-03	1.2830+00
408	471.85	3.4117+01	2.7929+00	8.7590-03	2.7929+00	8.7590-03	6.1256-03	1.3919-01	1.7858+05	2.2256-03	5.1300-01
409	450.12	4.0119+00	3.2952-01	1.0168-03	3.2952-01	1.0168-03	7.1108-04	1.6158-02	2.0730+04	2.5812-04	5.7000-01
410	470.43	2.5808+01	2.0723+00	6.4921-03	2.0723+00	6.4921-03	4.5402-03	1.0317-01	1.3236+05	1.6495-03	6.2800-01
411	453.02	4.6878+00	3.8580-01	1.1930-03	3.8580-01	1.1930-03	8.3431-04	1.8958-02	2.4322+04	3.0289-04	6.8600-01
412	478.50	3.0967+01	2.5771+00	8.1230-03	2.5771+00	8.1230-03	5.6808-03	1.2908-01	1.6561+05	2.0646-03	7.4400-01
413	450.84	6.3138+00	5.2193-01	1.6113-03	5.2193-01	1.6113-03	1.1269-03	2.5606-02	3.2851+04	4.0907-04	8.0100-01
414	484.86	5.4829+01	4.5820+00	1.4512-02	4.5820+00	1.4512-02	1.0149-02	2.3061-01	2.9587+05	3.6895-03	8.5900-01
415	451.84	8.5174+00	7.0041-01	2.1639-03	7.0041-01	2.1639-03	1.5133-03	3.4387-02	4.4118+04	5.4938-04	9.1700-01
416	477.28	3.1991+01	2.4849+00	7.8252-03	2.4849+00	7.8252-03	5.4725-03	1.2435-01	1.5954+05	1.9888-03	5.7000-01
417	492.47	6.8757+01	5.7746+00	1.8396-02	5.7746+00	1.8396-02	1.2865-02	2.9233-01	3.7505+05	4.6785-03	1.0520+00

23 1 -3.03 -15.03 .00 -.00 402 11 2.20 10.09 459.2 1726.9

8.40050+01 9.81569-03 7.00024-01 4.53310+03 9.80343-06 6.80440-08 5.47919-02 7.72000+00 7.03047-06 7.47176-02

1	460.84	1.8058+01	3.0414+00	9.4584-03	3.0414+00	9.4584-03	6.6152-03	1.5030-01	1.9281+05	2.4022-03	4.1100-01
2	476.79	4.7132+01	8.0235+00	2.5253-02	8.0235+00	2.5253-02	1.7662-02	4.0130-01	5.1479+05	6.4181-03	7.1100-01
3	464.47	3.9302+01	6.6359+00	2.0693-02	6.6359+00	2.0693-02	1.4472-02	3.2883-01	4.2183+05	5.2564-03	1.3070+00
4	467.90	3.3726+01	5.7075+00	1.7844-02	5.7075+00	1.7844-02	1.2480-02	2.8355-01	3.6375+05	4.5333-03	1.6410+00
5	472.74	2.0401+01	3.6257+00	1.1377-02	3.6257+00	1.1377-02	7.9567-03	1.8079-01	2.3191+05	2.8909-03	1.7720+00
6	485.43	9.0078+00	1.5196+00	4.8144-03	1.5196+00	4.8144-03	3.3672-03	7.6506-02	9.8143+04	1.2240-03	2.4660+00
7	459.93	6.9932+00	1.1565+00	3.5941-03	1.1565+00	3.5941-03	2.5137-03	5.7114-02	7.3266+04	9.1279-04	3.0090+00
8	449.41	7.6135+00	1.2389+00	3.8202-03	1.2389+00	3.8202-03	2.6718-03	6.0707-02	7.7876+04	9.6979-04	3.3930+00
9	446.24	8.6187+00	1.3994+00	4.3051-03	1.3994+00	4.3051-03	3.0109-03	6.8412-02	8.7759+04	1.0927-03	3.7770+00
10	466.29	7.4982+00	1.2379+00	3.8654-03	1.2379+00	3.8654-03	2.7035-03	6.1426-02	7.8798+04	9.8197-04	5.3230+00
14	462.15	4.1009+01	6.9132+00	2.1520-02	6.9132+00	2.1520-02	1.5051-02	3.4197-01	4.3869+05	5.4659-03	1.0880+00
15	450.79	2.5619+01	4.2856+00	1.3228-02	4.2856+00	1.3228-02	9.2517-03	2.1021-01	2.6966+05	3.3582-03	1.3070+00
16	468.23	3.8647+01	6.5417+00	2.0457-02	6.5417+00	2.0457-02	1.4307-02	3.2508-01	4.1702+05	5.1972-03	1.6410+00
19	479.39	3.2950+01	5.1095+00	1.6113-02	5.1095+00	1.6113-02	1.1269-02	2.5605-01	3.2847+05	4.0957-03	4.1100-01
20	458.35	2.2639+01	3.6285+00	1.1263-02	3.6285+00	1.1263-02	7.8775-03	1.7898-01	2.2960+05	2.8603-03	7.1100-01
21	451.00	2.9716+01	4.8118+00	1.4855-02	4.8118+00	1.4855-02	1.0389-02	2.3606-01	3.0282+05	3.7712-03	1.0880+00
22	443.02	2.0788+01	3.3678+00	1.0336-02	3.3678+00	1.0336-02	7.2288-03	1.6425-01	2.1070+05	2.6231-03	1.3070+00
23	527.61	8.9867-02	1.5158-02	4.9619-05	1.5158-02	4.9619-05	3.4703-05	7.8849-04	1.0115+03	1.2639-05	1.6410+00
24	460.57	1.7486+00	2.8671-01	8.9144-04	2.8671-01	8.9144-04	6.2347-04	1.4166-02	1.8172+04	2.2640-04	3.0090+00
25	450.54	1.1590+00	1.8420-01	5.6847-04	1.8420-01	5.6847-04	3.9759-04	9.0336-03	1.1588+04	1.4432-04	3.3930+00
26	446.20	2.1091+00	3.3628-01	1.0345-03	3.3628-01	1.0345-03	7.2349-04	1.6438-02	2.1087+04	2.6257-04	3.7770+00
27	489.16	6.4634+01	1.0574+01	3.3595-02	1.0574+01	3.3595-02	2.3496-02	5.3385-01	6.8483+05	8.5426-03	7.1100-01
28	455.98	3.8206+01	6.2076+00	1.9235-02	6.2076+00	1.9235-02	1.3453-02	3.0566-01	3.9210+05	4.8842-03	1.0880+00
29	442.35	2.0032+01	3.2732+00	1.0040-02	3.2732+00	1.0040-02	7.0222-03	1.5955-01	2.0467+05	2.5481-03	1.3070+00
30	455.96	2.2399+01	3.7053+00	1.1481-02	3.7053+00	1.1481-02	8.0298-03	1.8244-01	2.3404+05	2.9153-03	1.6410+00
31	466.33	1.4622+01	2.4719+00	7.7190-03	2.4719+00	7.7190-03	5.3986-03	1.2266-01	1.5735+05	1.9609-03	1.7720+00
32	493.18	7.8171+00	1.3254+00	4.2241-03	1.3254+00	4.2241-03	2.9543-03	6.7126-02	8.6110+04	1.0743-03	2.4660+00
33	464.51	6.7647+00	1.1288+00	3.5202-03	1.1288+00	3.5202-03	2.4620-03	5.5939-02	7.1759+04	8.9419-04	3.0090+00
34	448.70	4.5475+00	7.3964-01	2.2795-03	7.3964-01	2.2795-03	1.5943-03	3.6224-02	4.6468+04	5.7865-04	3.3930+00
35	441.67	1.0743+00	1.6657-01	5.1070-04	1.6657-01	5.1070-04	3.5718-04	8.1156-03	1.0411+04	1.2960-04	3.7770+00
36	439.33	1.7472+01	2.8150+00	8.6157-03	2.8150+00	8.6157-03	6.0258-03	1.3691-01	1.7563+05	2.1862-03	1.3070+00
37	495.38	1.1454+01	1.9679+00	6.2823-03	1.9679+00	6.2823-03	4.3938-03	9.9832-02	1.2807+05	1.5979-03	2.4660+00
38	460.78	3.5932+00	5.8926-01	1.8324-03	5.8926-01	1.8324-03	1.2816-03	2.9119-02	3.7354+04	4.6540-04	3.0090+00
39	443.96	1.7626+00	2.8403-01	8.7229-04	2.8403-01	8.7229-04	6.1007-04	1.3861-02	1.7782+04	2.2138-04	3.3930+00
40	441.18	2.0940+00	3.3374-01	1.0229-03	3.3374-01	1.0229-03	7.1538-04	1.6254-02	2.0851+04	2.5957-04	3.7770+00
41	446.75	1.1990+00	1.8773-01	5.7773-04	1.8773-01	5.7773-04	4.0406-04	9.1806-03	1.1777+04	1.4664-04	4.1620+00
43	459.84	1.4208+00	2.3634-01	7.3444-04	2.3634-01	7.3444-04	5.1366-04	1.1671-02	1.4972+04	1.8652-04	5.3230+00
47	453.65	1.4058+01	2.2666+00	7.0112-03	2.2666+00	7.0112-03	4.9036-03	1.1141-01	1.4292+05	1.7802-03	7.1100-01
48	458.84	3.5328+01	5.8207+00	1.8074-02	5.8207+00	1.8074-02	1.2641-02	2.8722-01	3.6845+05	4.5901-03	1.0880+00
49	443.37	2.2126+01	3.6286+00	1.1139-02	3.6286+00	1.1139-02	7.7906-03	1.7701-01	2.2707+05	2.8270-03	1.3070+00
50	457.18	1.5472+01	2.5766+00	7.9910-03	2.5766+00	7.9910-03	5.5889-03	1.2699-01	1.6290+05	2.0292-03	1.6410+00
51	467.44	1.0497+01	1.7759+00	5.5501-03	1.7759+00	5.5501-03	3.8817-03	8.8197-02	1.1314+05	1.4100-03	1.7720+00
52	479.29	2.7371+00	4.6673-01	1.4718-03	4.6673-01	1.4718-03	1.0293-03	2.3388-02	3.0002+04	3.7409-04	2.4660+00
53	454.45	2.3891+00	3.9011-01	1.2074-03	3.9011-01	1.2074-03	8.4446-04	1.9187-02	2.4613+04	3.0657-04	3.0090+00
54	444.57	3.2670+00	5.2350-01	1.6084-03	5.2350-01	1.6084-03	1.1249-03	2.5560-02	3.2788+04	4.0823-04	3.3930+00
55	445.19	3.9569+00	6.2274-01	1.9143-03	6.2274-01	1.9143-03	1.3388-03	3.0419-02	3.9022+04	4.8586-04	3.7770+00
56	453.18	4.8836+00	7.5129-01	2.3231-03	7.5129-01	2.3231-03	1.6248-03	3.6916-02	4.7357+04	5.8983-04	4.1100-01
57	451.57	9.2229+00	1.4759+00	4.5584-03	1.4759+00	4.5584-03	3.1881-03	7.2437-02	9.2924+04	1.1573-03	7.1100-01
58	447.38	1.7632+01	2.8823+00	8.8744-03	2.8823+00	8.8744-03	6.2067-03	1.4102-01	1.8091+05	2.2526-03	1.0880+00
59	445.43	1.8592+01	3.0443+00	9.3597-03	3.0443+00	9.3597-03	6.5461-03	1.4873-01	1.9080+05	2.3756-03	1.3070+00
60	455.44	1.3870+01	2.2935+00	7.1037-03	2.2935+00	7.1037-03	4.9683-03	1.1288-01	1.4481+05	1.8038-03	1.6410+00
61	449.48	2.4509+00	3.9765-01	1.2262-03	3.9765-01	1.2262-03	8.5760-04	1.9486-02	2.4996+04	3.1128-04	3.0090+00
62	440.06	1.7761+00	2.8371-01	8.6881-04	2.8371-01	8.6881-04	6.0764-04	1.3806-02	1.7711+04	2.2047-04	3.3930+00
63	443.14	1.1143+00	1.7512-01	5.3749-04	1.7512-01	5.3749-04	3.7592-04	8.5412-03	1.0957+04	1.3641-04	3.7770+00
64	440.73	1.2587+01	2.0910+00	6.4065-03	2.0910+00	6.4065-03	4.4807-03	1.0181-01	1.3060+05	1.6258-03	1.0880+00
65	435.64	1.0225+01	1.6926+00	5.1665-03	1.6926+00	5.1665-03	3.6134-03	8.2101-02	1.0532+05	1.3108-03	1.3070+00
66	452.30	1.2574+01	2.1056+00	6.5066-03	2.1056+00	6.5066-03	4.5506-03	1.0340-01	1.3264+05	1.6519-03	1.6410+00
69	446.88	2.2966+00	3.8315-01	1.1792-03	3.8315-01	1.1792-03	8.2476-04	1.8739-02	2.4039+04	2.9933-04	4.1100-01
70	438.44	7.7403-01	1.2838-01	3.9268-04	1.2838-01	3.9268-04	2.7464-04	6.2400-03	8.0048+03	9.9638-05	7.1100-01
71	434.73	1.9309+00	3.1850-01	9.7155-04	3.1850-01	9.7155-04	6.7950-04	1.5439-02	1.9805+04	2.4648-04	1.3070+00
72	444.95	3.5709+00	5.9496-01	1.8285-03	5.9496-01	1.8285-03	1.2788-03	2.9057-02	3.7274+04	4.6409-04	1.6410+00
73	453.13	1.8281+00	2.9465-01	9.1105-04	2.9465-01	9.1105-04	6.3719-04	1.4478-02	1.8572+04	2.3131-04	3.7770+00
74	470.59	2.1751+00	3.6012-01	1.1282-03	3.6012-01	1.1282-03	7.8903-04	1.7928-02	2.2998+04	2.8665-04	5.3230+00
77	450.83	8.0514+00	1.3351+00	4.1211-03	1.3351+00	4.1211-03	2.8823-03	6.5488-02	8.4009+04	1.0462-03	3.0090+00
78	439.98	6.5730+00	1.0690+00	3.2735-03	1.0690+00	3.2735-03	2.2895-03	5.2020-02	6.6731+04	8.3068-04	3.3930+00
79	440.04	3.9403+00	6.2940-01	1.9274-03	6.2940-01	1.9274-03	1.3480-03	3.0628-02	3.9290+04	4.8909-04	3.7770+00
80	485.67	8.7673+00	1.5056+00	4.7709-03	1.5056+00	4.7709-03	3.3367-03	7.5814-02	9.7255+04	1.2130-03	2.4660+00
81	456.06	7.5803+00	1.2614+00	3.9089-03	1.2614+00	3.9089-03	2.7339-03	6.2117-02	7.9684+04	9.9259-04	3.0090+00
82	444.43	6.9756+00	1.1414+00	3.5067-03	1.1414+00	3.5067-03	2.4525-03	5.5724-02	7.1484+04	8.9000-04	3.3930+00
83	442.67	6.7345+00	1.0908+00	3.3468-03	1.0908+00	3.3468-03	2.3407-03	5.3184-02	6.8225+04	8.4937-04	3.7770+00
337	534.85	1.7753+01	3.4388+00	1.1322-02	3.4388+00	1.1322-02	7.9184-03	1.7991-01	2.3080+05	2.8847-03	7.1680+00
339	520.81	1.7077+01	3.3492+00	1.0905-02	3.3492+00	1.0905-02	7.6270-03	1.7329-01	2.2230+05	2.7768-03	8.1130+00
340	484.47	6.4057+00	1.2018+00	3.8045-03	1.2018+00	3.8045-03	2.6609-03	6.0458-02	7.7556+04	9.6725-04	8.6180+00
342	530.05	1.5796+01	3.1483+00	1.0326-02	3.1483+00	1.0326-02	7.2218-03	1.6409-01	2.1049+05	2.6304-03	7.1680+00
344	512.93	1.2427+01	2.4378+00	7.8888-03	2.4378+00	7.8888-03	5.5174-03	1.2536-01	1.6081+05	2.0081-03	8.1130+00
347	501.22	9.9556+00	1.8882+00	6.0549-03	1.8882+00	6.0549-03	4.2348-03	9.6218-02	1.2343+05	1.5405-03	7.1680+00
349	492.18	5.5314+00	1.0680+00	3.4011-03	1.0680+00	3.4011-03	2.3787-03	5.4046-02	6.9331+04	8.6496-04	8.1130+00
350	471.58	1.1138+00	1.9558-01	6.1314-04	1.9558-01	6.1314-04	4.2883-04	9.7434-03	1.2499+04	1.5580-04	8.6180+00
352	486.38	1.5262+00	2.7981-01	8.8712-04	2.7981-01	8.8712-04	6.2044-04	1.4097-02	1.8084+04	2.2555-04	7.1680+00
354	485.23	1.7948+00	3.4407-01	1.0899-03	3.4407-01	1.0899-03	7.6227-04	1.7320-02	2.2218+04	2.7710-04	8.1130+00
357	492.91	4.8577+00	8.9192-01	2.8419-03	8.9192-01	2.8419-03	1.9876-03	4.5161-02	5.7933+04	7.2278-04	7.1680+00
359	487.63	4.8634+00	8.7284-01	2.7699-03	8.7284-01	2.7699-03	1.9373-03	4.4017-02	5.6465+04	7.0431-04	8.1130+00
401	517.31	6.9329+01	5.9865+00	1.9439-02	5.9865+00	1.9439-02	1.3595-02	3.0890-01	3.9626+05	4.9491-03	4.5500-01
403	487.85	3.5958+01	3.0109+00	9.5566-03	3.0109+00	9.5566-03	6.6838-03	1.5186-01	1.9481+05	2.4300-03	6.8600-01
404	4157.16	5.1935-03	-2.8481-03	-2.2053-06	-2.8481-03	-2.2053-06	-1.5424-06	-3.5045-05	-4.4956+01	-4.8403-07	8.0100-01
405	520.88	7.3620+01	6.2958+00	2.0501-02	6.2958+00	2.0501-02	1.4338-02	3.2577-01	4.1791+05	5.2202-03	1.0510+00
406	505.69	7.0864+01	6.0382+00	1.9430-02	6.0382+00	1.9430-02	1.3589-02	3.0876-01	3.9609+05	4.9444-03	1.1670+00
407	503.17	6.7124+01	5.8123+00	1.8667-02	5.8123+00	1.8667-02	1.3056-02	2.9663-01	3.8053+05	4.7496-03	1.2830+00
408	480.26	3.4065+01	2.8042+00	8.8492-03	2.8042+00	8.8492-03	6.1890-03	1.4062-01	1.8039+05	2.2494-03	5.1300-01
409	451.14	4.1190+00	3.3855-01	1.0453-03	3.3855-01	1.0453-03	7.3105-04	1.6610-02	2.1308+04	2.6537-04	5.7000-01
410	476.84	2.5767+01	2.0778+00	6.5400-03	2.0778+00	6.5400-03	4.5741-03	1.0393-01	1.3332+05	1.6622-03	6.2800-01
411	454.30	5.3569+00	4.4125-01	1.3656-03	4.4125-01	1.3656-03	9.5506-04	2.1700-02	2.7837+04	3.4673-04	6.8600-01
412	486.48	3.2537+01	2.7220+00	8.6305-03	2.7220+00	8.6305-03	6.0361-03	1.3715-01	1.7593+05	2.1944-03	7.4400-01
413	452.48	7.0946+00	5.8713-01	1.8146-03	5.8713-01	1.8146-03	1.2691-03	2.8835-02	3.6990+04	4.6070-04	8.0100-01
414	498.54	5.3953+01	4.5490+00	1.4558-02	4.5490+00	1.4558-02	1.0181-02	2.3133-01	2.9676+05	3.7033-03	8.5900-01
415	454.07	9.5169+00	7.8379-01	2.4252-03	7.8379-01	2.4252-03	1.6962-03	3.8539-02	4.9438+04	6.1577-04	9.1700-01
416	485.18	3.1423+01	2.4535+00	7.7716-03	2.4535+00	7.7716-03	5.4354-03	1.2350-01	1.5842+05	1.9759-03	5.7000-01
417	509.53	6.7354+01	5.7190+00	1.8458-02	5.7190+00	1.8458-02	1.2909-02	2.9331-01	3.7627+05	4.6977-03	1.0520+00

23 1 -3.03 -15.03 .00 -.00 4C2 11 2.45 10.09 459.2 1726.6

8.39869+01 9.81600-03 7.00045-01 4.53261+03 9.80584-06 6.80294-08 5.48112-02 7.72000+00 7.02876-06 7.47197-02

1	465.39	1.8468+01	3.1200+00	9.7374-03	3.1200+00	9.7374-03	6.8093-03	1.5474-01	1.9855+05	2.4739-03	4.1100-01
2	488.54	4.6634+01	8.0002+00	2.5410-02	8.0002+00	2.5410-02	1.7769-02	4.0378-01	5.1810+05	6.4619-03	7.1100-01
3	474.26	3.8925+01	6.6153+00	2.0784-02	6.6153+00	2.0784-02	1.4534-02	3.3028-01	4.2379+05	5.2824-03	1.3070+00
4	476.41	3.3743+01	5.7429+00	1.8073-02	5.7429+00	1.8073-02	1.2638-02	2.8719-01	3.6850+05	4.5937-03	1.6410+00
5	477.80	2.0198+01	3.6018+00	1.1347-02	3.6018+00	1.1347-02	7.9346-03	1.8031-01	2.3136+05	2.8842-03	1.7720+00
6	487.74	9.3979+00	1.5878+00	5.0401-03	1.5878+00	5.0401-03	3.5246-03	8.0093-02	1.0277+05	1.2817-03	2.4660+00
7	461.66	6.9532+00	1.1512+00	3.5829-03	1.1512+00	3.5829-03	2.5055-03	5.6935-02	7.3055+04	9.1012-04	3.0090+00
8	451.24	7.2301+00	1.1780+00	3.6379-03	1.1780+00	3.6379-03	2.5440-03	5.7809-02	7.4177+04	9.2368-04	3.3930+00
9	448.38	8.3299+00	1.3545+00	4.1742-03	1.3545+00	4.1742-03	2.9190-03	6.6331-02	8.5112+04	1.0597-03	3.7770+00
10	468.17	7.5029+00	1.2402+00	3.8788-03	1.2402+00	3.8788-03	2.7124-03	6.1638-02	7.9089+04	9.8556-04	5.3230+00
14	472.32	4.0171+01	6.8182+00	2.1390-02	6.8182+00	2.1390-02	1.4958-02	3.3991-01	4.3615+05	5.4360-03	1.0880+00
15	456.78	2.5756+01	4.3262+00	1.3415-02	4.3262+00	1.3415-02	9.3812-03	2.1318-01	2.7354+05	3.4070-03	1.3070+00
16	477.83	3.8203+01	6.5080+00	2.0502-02	6.5080+00	2.0502-02	1.4337-02	3.2580-01	4.1805+05	5.2116-03	1.6410+00
19	487.47	3.1750+01	4.9497+00	1.5708-02	4.9497+00	1.5708-02	1.0985-02	2.4961-01	3.2029+05	3.9945-03	4.1100-01
20	464.27	2.4289+01	3.9087+00	1.2188-02	3.9087+00	1.2188-02	8.5233-03	1.9369-01	2.4852+05	3.0964-03	7.1100-01
21	458.38	2.9547+01	4.8085+00	1.4928-02	4.8085+00	1.4928-02	1.0439-02	2.3723-01	3.0439+05	3.7916-03	1.0880+00
22	448.08	1.8690+01	3.0386+00	9.3618-03	3.0386+00	9.3618-03	6.5467-03	1.4877-01	1.9089+05	2.3767-03	1.3070+00
23	527.56	-5.9217-02	-9.9876-03	-3.2699-05	-9.9876-03	-3.2699-05	-2.2866-05	-5.1961-04	-6.6673+02	-8.3298-06	1.6410+00
24	461.01	1.7392+00	2.8526-01	8.8736-04	2.8526-01	8.8736-04	6.2053-04	1.4101-02	1.8093+04	2.2540-04	3.0090+00
25	450.85	1.2140+00	1.9300-01	5.9583-04	1.9300-01	5.9583-04	4.1666-04	9.4683-03	1.2149+04	1.5128-04	3.3930+00
26	446.71	2.0732+00	3.3068-01	1.0178-03	3.3068-01	1.0178-03	7.1172-04	1.6173-02	2.0752+04	2.5837-04	3.7770+00
27	504.83	6.1492+01	1.0162+01	3.2683-02	1.0162+01	3.2683-02	2.2855-02	5.1936-01	6.6641+05	8.3175-03	7.1100-01
28	465.42	3.7630+01	6.1530+00	1.9204-02	6.1530+00	1.9204-02	1.3429-02	3.0516-01	3.9156+05	4.8788-03	1.0880+00
29	447.23	2.0596+01	3.3767+00	1.0397-02	3.3767+00	1.0397-02	7.2705-03	1.6522-01	2.1199+05	2.6394-03	1.3070+00
30	461.68	2.2800+01	3.7862+00	1.1784-02	3.7862+00	1.1784-02	8.2403-03	1.8725-01	2.4027+05	2.9933-03	1.6410+00
31	470.01	1.4693+01	2.4900+00	7.7982-03	2.4900+00	7.7982-03	5.4533-03	1.2392-01	1.5901+05	1.9816-03	1.7720+00
32	495.15	7.8514+00	1.3330+00	4.2552-03	1.3330+00	4.2552-03	2.9756-03	6.7618-02	8.6763+04	1.0824-03	2.4660+00
33	466.20	6.6779+00	1.1156+00	3.4839-03	1.1156+00	3.4839-03	2.4363-03	5.5362-02	7.1037+04	8.8514-04	3.0090+00
34	449.84	4.4197+00	7.1942-01	2.2194-03	7.1942-01	2.2194-03	1.5520-03	3.5268-02	4.5253+04	5.6348-04	3.3930+00
35	441.93	1.0566+00	1.6386-01	5.0257-04	1.6386-01	5.0257-04	3.5145-04	7.9863-03	1.0247+04	1.2756-04	3.7770+00
36	443.75	1.8027+01	2.9133+00	8.9469-03	2.9133+00	8.9469-03	6.2566-03	1.4218-01	1.8243+05	2.2710-03	1.3070+00
37	498.28	1.1556+01	1.9893+00	6.3656-03	1.9893+00	6.3656-03	4.4514-03	1.0116-01	1.2979+05	1.6195-03	2.4660+00
38	461.70	3.6478+00	5.9857-01	1.8629-03	5.9857-01	1.8629-03	1.3028-03	2.9604-02	3.7986+04	4.7322-04	3.0090+00
39	444.34	1.4255+00	2.2976-01	7.0593-04	2.2976-01	7.0593-04	4.9365-04	1.1218-02	1.4394+04	1.7919-04	3.3930+00
40	441.71	2.1070+00	3.3593-01	1.0301-03	3.3593-01	1.0301-03	7.2036-04	1.6370-02	2.1004+04	2.6145-04	3.7770+00
41	447.06	1.2395+00	1.9411-01	5.9760-04	1.9411-01	5.9760-04	4.1790-04	9.4964-03	1.2185+04	1.5171-04	4.1620+00
43	460.19	1.4634+00	2.4349-01	7.5695-04	2.4349-01	7.5695-04	5.2934-04	1.2029-02	1.5434+04	1.9227-04	5.3230+00
47	457.16	1.3860+01	2.2401+00	6.9482-03	2.2401+00	6.9482-03	4.8589-03	1.1041-01	1.4167+05	1.7646-03	7.1100-01
48	467.78	3.5845+01	5.9414+00	1.8576-02	5.9414+00	1.8576-02	1.2990-02	2.9519-01	3.7877+05	4.7199-03	1.0880+00
49	448.83	2.1701+01	3.5723+00	1.1012-02	3.5723+00	1.1012-02	7.7007-03	1.7499-01	2.2454+05	2.7957-03	1.3070+00
50	461.12	1.5726+01	2.6260+00	8.1695-03	2.6260+00	8.1695-03	5.7129-03	1.2982-01	1.6658+05	2.0752-03	1.6410+00
51	470.08	1.0445+01	1.7702+00	5.5443-03	1.7702+00	5.5443-03	3.8771-03	8.8104-02	1.1305+05	1.4089-03	1.7720+00
52	480.02	2.8956+00	4.9398-01	1.5588-03	4.9398-01	1.5588-03	1.0901-03	2.4771-02	3.1784+04	3.9628-04	2.4660+00
53	455.06	2.4416+00	3.9884-01	1.2352-03	3.9884-01	1.2352-03	8.6377-04	1.9628-02	2.5186+04	3.1367-04	3.0090+00
54	445.40	3.3558+00	5.3804-01	1.6544-03	5.3804-01	1.6544-03	1.1569-03	2.6290-02	3.3733+04	4.1995-04	3.3930+00
55	446.17	3.9081+00	6.1547-01	1.8935-03	6.1547-01	1.8935-03	1.3242-03	3.0090-02	3.8610+04	4.8068-04	3.7770+00
56	454.53	5.1548+00	7.9373-01	2.4572-03	7.9373-01	2.4572-03	1.7183-03	3.9047-02	5.0102+04	6.2397-04	4.1100-01
57	453.86	9.2852+00	1.4882+00	4.6049-03	1.4882+00	4.6049-03	3.2202-03	7.3176-02	9.3894+04	1.1693-03	7.1100-01
58	451.74	1.7656+01	2.8950+00	8.9435-03	2.8950+00	8.9435-03	6.2542-03	1.4212-01	1.8236+05	2.2709-03	1.0880+00
59	450.00	1.8300+01	3.0059+00	9.2741-03	3.0059+00	9.2741-03	6.4854-03	1.4737-01	1.8910+05	2.3546-03	1.3070+00
60	458.94	1.4069+01	2.3319+00	7.2428-03	2.3319+00	7.2428-03	5.0648-03	1.1509-01	1.4768+05	1.8396-03	1.6410+00
61	450.09	2.4696+00	4.0085-01	1.2368-03	4.0085-01	1.2368-03	8.6491-04	1.9654-02	2.5219+04	3.1402-04	3.0090+00
62	440.50	1.8442+00	2.9467-01	9.0280-04	2.9467-01	9.0280-04	6.3133-04	1.4346-02	1.8408+04	2.2912-04	3.3930+00
63	443.41	1.1081+00	1.7417-01	5.3477-04	1.7417-01	5.3477-04	3.7396-04	8.4980-03	1.0904+04	1.3574-04	3.7770+00
64	443.87	1.2452+01	2.0732+00	6.3675-03	2.0732+00	6.3675-03	4.4528-03	1.0119-01	1.2983+05	1.6162-03	1.0880+00
65	438.21	1.0236+01	1.6976+00	5.1921-03	1.6976+00	5.1921-03	3.6308-03	8.2508-02	1.0587+05	1.3176-03	1.3070+00
66	455.41	1.2571+01	2.1096+00	6.5351-03	2.1096+00	6.5351-03	4.5700-03	1.0385-01	1.3325+05	1.6596-03	1.6410+00
69	447.46	2.3756+00	3.9649-01	1.2210-03	3.9649-01	1.2210-03	8.5384-04	1.9403-02	2.4896+04	3.0997-04	4.1100-01
70	438.65	7.5273-01	1.2487-01	3.8204-04	1.2487-01	3.8204-04	2.6716-04	6.0710-03	7.7899+03	9.6951-05	7.1100-01
71	435.21	1.9371+00	3.1964-01	9.7550-04	3.1964-01	9.7550-04	6.8216-04	1.5502-02	1.9891+04	2.4752-04	1.3070+00
72	445.86	3.6078+00	6.0148-01	1.8501-03	6.0148-01	1.8501-03	1.2937-03	2.9399-02	3.7723+04	4.6964-04	1.6410+00
73	453.59	1.8504+00	2.9834-01	9.2294-04	2.9834-01	9.2294-04	6.4541-04	1.4666-02	1.8819+04	2.3436-04	3.7770+00
74	471.16	2.2218+00	3.6800-01	1.1535-03	3.6800-01	1.1535-03	8.0665-04	1.8330-02	2.3520+04	2.9313-04	5.3230+00
77	452.81	8.0192+00	1.3315+00	4.1168-03	1.3315+00	4.1168-03	2.8789-03	6.5420-02	8.3942+04	1.0454-03	3.0090+00
78	441.59	6.4156+00	1.0446+00	3.2030-03	1.0446+00	3.2030-03	2.2398-03	5.0898-02	6.5309+04	8.1292-04	3.3930+00
79	441.02	3.9704+00	6.3464-01	1.9451-03	6.3464-01	1.9451-03	1.3602-03	3.0910-02	3.9661+04	4.9367-04	3.7770+00
80	487.93	9.1792+00	1.5787+00	5.0119-03	1.5787+00	5.0119-03	3.5048-03	7.9644-02	1.0219+05	1.2745-03	2.4660+00
81	457.94	7.4997+00	1.2496+00	3.8784-03	1.2496+00	3.8784-03	2.7121-03	6.1631-02	7.9081+04	9.8503-04	3.0090+00
82	446.18	7.0405+00	1.1534+00	3.5487-03	1.1534+00	3.5487-03	2.4816-03	5.6392-02	7.2358+04	9.0084-04	3.3930+00
83	444.36	6.7792+00	1.0993+00	3.3777-03	1.0993+00	3.3777-03	2.3620-03	5.3674-02	6.8871+04	8.5736-04	3.7770+00
337	539.32	1.7861+01	3.4691+00	1.1464-02	3.4691+00	1.1464-02	8.0168-03	1.8218-01	2.3375+05	2.9220-03	7.1680+00
339	525.04	1.7052+01	3.3532+00	1.0956-02	3.3532+00	1.0956-02	7.6616-03	1.7410-01	2.2340+05	2.7907-03	8.1130+00
340	486.07	6.4021+00	1.2023+00	3.8116-03	1.2023+00	3.8116-03	2.6654-03	6.0570-02	7.7718+04	9.6922-04	8.6180+00
342	534.01	1.5833+01	3.1633+00	1.0409-02	3.1633+00	1.0409-02	7.2793-03	1.6542-01	2.1225+05	2.6525-03	7.1680+00
344	516.02	1.2301+01	2.4178+00	7.8443-03	2.4178+00	7.8443-03	5.4855-03	1.2465-01	1.5995+05	1.9973-03	8.1130+00
347	503.70	9.9387+00	1.8879+00	6.0666-03	1.8879+00	6.0666-03	4.2424-03	9.6404-02	1.2370+05	1.5438-03	7.1680+00
349	493.58	5.5138+00	1.0656+00	3.3974-03	1.0656+00	3.3974-03	2.3758-03	5.3988-02	6.9274+04	8.6419-04	8.1130+00
350	471.86	1.1221+00	1.9707-01	6.1805-04	1.9707-01	6.1805-04	4.3220-04	9.8214-03	1.2602+04	1.5707-04	8.6180+00
352	486.75	1.4909+00	2.7340-01	8.6718-04	2.7340-01	8.6718-04	6.0641-04	1.3780-02	1.7682+04	2.2052-04	7.1680+00
354	485.66	1.8062+00	3.4636-01	1.0977-03	3.4636-01	1.0977-03	7.6760-04	1.7443-02	2.2382+04	2.7912-04	8.1130+00
357	494.10	4.8551+00	8.9214-01	2.8457-03	8.9214-01	2.8457-03	1.9900-03	4.5220-02	5.8023+04	7.2386-04	7.1680+00
359	488.83	4.8681+00	8.7437-01	2.7777-03	8.7437-01	2.7777-03	1.9425-03	4.4141-02	5.6638+04	7.0642-04	8.1130+00
401	533.98	6.4443+01	5.6225+00	1.8501-02	5.6225+00	1.8501-02	1.2938-02	2.9401-01	3.7725+05	4.7145-03	4.5500-01
403	496.55	3.4147+01	2.8754+00	9.1891-03	2.8754+00	9.1891-03	6.4259-03	1.4602-01	1.8737+05	2.3377-03	6.8600-01
404	4157.11	1.0379-02	-5.6916-03	-4.4073-06	-5.6916-03	-4.4073-06	-3.0820-06	-7.0036-05	-8.9866+01	-9.6735-07	8.0100-01
405	538.58	6.8772+01	5.9459+00	1.9638-02	5.9459+00	1.9638-02	1.3732-02	3.1206-01	4.0041+05	5.0050-03	1.0510+00
406	522.86	6.6815+01	5.7552+00	1.8772-02	5.7552+00	1.8772-02	1.3127-02	2.9831-01	3.8277+05	4.7812-03	1.1670+00
407	519.41	6.3442+01	5.5502+00	1.8055-02	5.5502+00	1.8055-02	1.2626-02	2.8691-01	3.6814+05	4.5977-03	1.2830+00
408	488.86	3.4393+01	2.8472+00	9.0453-03	2.8472+00	9.0453-03	6.3253-03	1.4374-01	1.8443+05	2.3003-03	5.1300-01
409	452.13	4.3309+00	3.5621-01	1.1008-03	3.5621-01	1.1008-03	7.6977-04	1.7492-02	2.2445+04	2.7951-04	5.7000-01
410	483.32	2.5879+01	2.0959+00	6.6303-03	2.0959+00	6.6303-03	4.6365-03	1.0536-01	1.3519+05	1.6858-03	6.2800-01
411	455.69	5.8166+00	4.7957-01	1.4859-03	4.7957-01	1.4859-03	1.0391-03	2.3612-02	3.0298+04	3.7735-04	6.8600-01
412	494.86	3.3378+01	2.8076+00	8.9606-03	2.8076+00	8.9606-03	6.2661-03	1.4239-01	1.8271+05	2.2794-03	7.4400-01
413	454.33	7.7844+00	6.4504-01	1.9966-03	6.4504-01	1.9966-03	1.3962-03	3.1728-02	4.0710+04	5.0701-04	8.0100-01
414	511.90	5.2687+01	4.4803+00	1.4489-02	4.4803+00	1.4489-02	1.0132-02	2.3024-01	2.9543+05	3.6884-03	8.5900-01
415	456.59	1.0531+01	8.6879-01	2.6937-03	8.6879-01	2.6937-03	1.8837-03	4.2805-02	5.4924+04	6.8409-04	9.1700-01
416	492.98	3.0947+01	2.4287+00	7.7401-03	2.4287+00	7.7401-03	5.4126-03	1.2300-01	1.5782+05	1.9688-03	5.7000-01
417	526.21	6.5534+01	5.6230+00	1.8390-02	5.6230+00	1.8390-02	1.2860-02	2.9223-01	3.7497+05	4.6844-03	1.0520+00

23 1 -3.03 -15.03 .00 -.00 402 11 2.70 10.09 459.2 1726.8

8.39960+01 9.81584-03 7.00034-01 4.53286+03 9.80463-06 6.80367-08 5.48016-02 7.72000+00 7.02962-06 7.47187-02

1	470.06	1.9001+01	3.2202+00	1.0085-02	3.2202+00	1.0085-02	7.0532-03	1.6027-01	2.0562+05	2.5624-03	4.1100-01
2	500.12	4.6045+01	7.9585+00	2.5503-02	7.9585+00	2.5503-02	1.7836-02	4.0527-01	5.1995+05	6.4881-03	7.1100-01
3	483.94	3.8351+01	6.5594+00	2.0761-02	6.5594+00	2.0761-02	1.4519-02	3.2991-01	4.2326+05	5.2779-03	1.3070+00
4	484.81	3.3532+01	5.7366+00	1.8175-02	5.7386+00	1.8175-02	1.2710-02	2.8881-01	3.7054+05	4.6206-03	1.6410+00
5	482.82	2.0051+01	3.5873+00	1.1344-02	3.5873+00	1.1344-02	7.9335-03	1.8027-01	2.3128+05	2.8838-03	1.7720+00
6	490.13	9.7481+00	1.6496+00	5.2456-03	1.6496+00	5.2456-03	3.6685-03	8.3358-02	1.0695+05	1.3339-03	2.4660+00
7	463.41	6.9517+00	1.1523+00	3.5910-03	1.1523+00	3.5910-03	2.5113-03	5.7064-02	7.3211+04	9.1212-04	3.0090+00
8	452.98	7.0930+00	1.1570+00	3.5777-03	1.1570+00	3.5777-03	2.5021-03	5.6853-02	7.2941+04	9.0835-04	3.3930+00
9	450.43	7.9579+00	1.2959+00	3.9994-03	1.2959+00	3.9994-03	2.7970-03	6.3555-02	8.1539+04	1.0153-03	3.7770+00
10	470.01	7.3969+00	1.2242+00	3.8340-03	1.2242+00	3.8340-03	2.6813-03	6.0927-02	7.8167+04	9.7413-04	5.3230+00
14	482.22	3.9171+01	6.6922+00	2.1153-02	6.6922+00	2.1153-02	1.4793-02	3.3614-01	4.3126+05	5.3772-03	1.0880+00
15	463.31	2.7639+01	4.6629+00	1.4530-02	4.6629+00	1.4530-02	1.0161-02	2.3089-01	2.9623+05	3.6906-03	1.3070+00
16	487.31	3.7741+01	6.4695+00	2.0529-02	6.4695+00	2.0529-02	1.4357-02	3.2622-01	4.1853+05	5.2197-03	1.6410+00
19	495.27	3.0639+01	4.8008+00	1.5327-02	4.8008+00	1.5327-02	1.0719-02	2.4356-01	3.1248+05	3.8984-03	4.1100-01
20	470.50	2.5387+01	4.1023+00	1.2852-02	4.1023+00	1.2852-02	8.9882-03	2.0424-01	2.6203+05	3.2655-03	7.1100-01
21	465.79	2.9381+01	4.8054+00	1.5002-02	4.8054+00	1.5002-02	1.0491-02	2.3839-01	3.0585+05	3.8109-03	1.0880+00
22	452.33	1.7204+01	2.8051+00	8.6695-03	2.8051+00	8.6695-03	6.0630-03	1.3777-01	1.7675+05	2.2010-03	1.3070+00
23	527.57	-1.4025-02	-2.3655-03	-7.7446-06	-2.3655-03	-7.7446-06	-5.4162-06	-1.2307-04	-1.5789+02	-1.9726-06	1.6410+00
24	461.44	1.7216+00	2.8244-01	8.7888-04	2.8244-01	8.7888-04	6.1464-04	1.3966-02	1.7918+04	2.2322-04	3.0090+00
25	451.13	1.1371+00	1.8081-01	5.5833-04	1.8081-01	5.5833-04	3.9046-04	8.8724-03	1.1383+04	1.4174-04	3.3930+00
26	447.21	2.1455+00	3.4231-01	1.0540-03	3.4231-01	1.0540-03	7.3709-04	1.6749-02	2.1488+04	2.6753-04	3.7770+00
27	519.87	5.8802+01	9.8100+00	3.1923-02	9.8100+00	3.1923-02	2.2326-02	5.0729-01	6.5084+05	8.1284-03	7.1100-01
28	474.79	3.7125+01	6.1086+00	1.9200-02	6.1086+00	1.9200-02	1.3428-02	3.0511-01	3.9145+05	4.8793-03	1.0880+00
29	452.54	2.1983+01	3.6171+00	1.1181-02	3.6171+00	1.1181-02	7.8194-03	1.7768-01	2.2796+05	2.8387-03	1.3070+00
30	467.40	2.2806+01	3.8018+00	1.1883-02	3.8018+00	1.1883-02	8.3105-03	1.8884-01	2.4227+05	3.0189-03	1.6410+00
31	473.71	1.4741+01	2.5043+00	7.8647-03	2.5043+00	7.8647-03	5.5002-03	1.2498-01	1.6034+05	1.9985-03	1.7720+00
32	497.12	7.9392+00	1.3496+00	4.3147-03	1.3496+00	4.3147-03	3.0175-03	6.8565-02	8.7967+04	1.0975-03	2.4660+00
33	467.84	6.5745+00	1.0996+00	3.4380-03	1.0996+00	3.4380-03	2.4043-03	5.4633-02	7.0092+04	8.7342-04	3.0090+00
34	450.93	4.1060+00	6.6884-01	2.0650-03	6.6884-01	2.0650-03	1.4442-03	3.2815-02	4.2101+04	5.2425-04	3.3930+00
35	442.18	1.0520+00	1.6317-01	5.0053-04	1.6317-01	5.0053-04	3.5004-04	7.9539-03	1.0205+04	1.2702-04	3.7770+00
36	448.36	1.8496+01	2.9985+00	9.2402-03	2.9985+00	9.2402-03	6.4621-03	1.4684-01	1.8839+05	2.3455-03	1.3070+00
37	501.18	1.1591+01	1.9989+00	6.4106-03	1.9989+00	6.4106-03	4.4832-03	1.0187-01	1.3070+05	1.6310-03	2.4660+00
38	462.61	3.6452+00	5.9851-01	1.8640-03	5.9851-01	1.8640-03	1.3036-03	2.9621-02	3.8003+04	4.7346-04	3.0090+00
39	444.67	1.4888+00	2.4003-01	7.3766-04	2.4003-01	7.3766-04	5.1588-04	1.1722-02	1.5039+04	1.8722-04	3.3930+00
40	442.25	2.1299+00	3.3970-01	1.0421-03	3.3970-01	1.0421-03	7.2879-04	1.6560-02	2.1246+04	2.6446-04	3.7770+00
41	447.37	1.1979+00	1.8765-01	5.7782-04	1.8765-01	5.7782-04	4.0409-04	9.1821-03	1.1780+04	1.4667-04	4.1620+00
43	460.57	1.4364+00	2.3965-01	7.4338-04	2.3905-01	7.4338-04	5.1988-04	1.1813-02	1.5156+04	1.8880-04	5.3230+00
47	460.64	1.3630+01	2.2082+00	6.8670-03	2.2082+00	6.8670-03	4.8024-03	1.0912-01	1.4000+05	1.7440-03	7.1100-01
48	476.83	3.5952+01	5.9952+00	1.8873-02	5.9952+00	1.8873-02	1.3198-02	2.9990-01	3.8477+05	4.7965-03	1.0880+00
49	454.16	2.1478+01	3.5486+00	1.0982-02	3.5486+00	1.0982-02	7.6805-03	1.7452-01	2.2391+05	2.7885-03	1.3070+00
50	465.05	1.5577+01	2.6080+00	8.1374-03	2.6080+00	8.1374-03	5.6908-03	1.2931-01	1.6590+05	2.0671-03	1.6410+00
51	472.67	1.0366+01	1.7598+00	5.5224-03	1.7598+00	5.5224-03	3.8620-03	8.7756-02	1.1259+05	1.4033-03	1.7720+00
52	480.76	2.9626+00	5.0566-01	1.5966-03	5.0566-01	1.5966-03	1.1165-03	2.5371-02	3.2550+04	4.0583-04	2.4660+00
53	455.68	2.4613+00	4.0224-01	1.2463-03	4.0224-01	1.2463-03	8.7158-04	1.9805-02	2.5409+04	3.1646-04	3.0090+00
54	446.23	3.3548+00	5.3818-01	1.6558-03	5.3818-01	1.6558-03	1.1580-03	2.6313-02	3.3758+04	4.2028-04	3.3930+00
55	447.14	3.8810+00	6.1163-01	1.8831-03	6.1163-01	1.8831-03	1.3169-03	2.9924-02	3.8391+04	4.7798-04	3.7770+00
56	455.81	4.9190+00	7.5808-01	2.3490-03	7.5808-01	2.3490-03	1.6428-03	3.7328-02	4.7891+04	5.9647-04	4.1100-01
57	456.19	9.4951+00	1.5243+00	4.7246-03	1.5243+00	4.7246-03	3.3042-03	7.5079-02	9.6324+04	1.1997-03	7.1100-01
58	456.16	1.7835+01	2.9332+00	9.0913-03	2.9332+00	9.0913-03	6.3580-03	1.4447-01	1.8535+05	2.3085-03	1.0880+00
59	454.51	1.8288+01	3.0132+00	9.3279-03	3.0132+00	9.3279-03	6.5234-03	1.4823-01	1.9017+05	2.3684-03	1.3070+00
60	462.46	1.3964+01	2.3200+00	7.2248-03	2.3200+00	7.2248-03	5.0526-03	1.1481-01	1.4730+05	1.8350-03	1.6410+00
61	450.69	2.4826+00	4.0312-01	1.2444-03	4.0312-01	1.2444-03	8.7027-04	1.9775-02	2.5371+04	3.1591-04	3.0090+00
62	440.96	1.8135+00	2.8987-01	8.8838-04	2.8987-01	8.8838-04	6.2129-04	1.4117-02	1.8112+04	2.2544-04	3.3930+00
63	443.69	1.1314+00	1.7788-01	5.4627-04	1.7788-01	5.4627-04	3.8203-04	8.6807-03	1.1137+04	1.3864-04	3.7770+00
64	446.98	1.2195+01	2.0347+00	6.2638-03	2.0347+00	6.2638-03	4.3805-03	9.9537-02	1.2770+05	1.5899-03	1.0880+00
65	440.76	1.0310+01	1.7128+00	5.2486-03	1.7128+00	5.2486-03	3.6706-03	8.3406-02	1.0701+05	1.3319-03	1.3070+00
66	458.63	1.2819+01	2.1558+00	6.6943-03	2.1558+00	6.6943-03	4.6816-03	1.0638-01	1.3648+05	1.7000-03	1.6410+00
69	448.05	2.3979+00	4.0038-01	1.2335-03	4.0038-01	1.2335-03	8.6265-04	1.9602-02	2.5148+04	3.1311-04	4.1100-01
70	438.83	7.2104-01	1.1963-01	3.6606-04	1.1963-01	3.6606-04	2.5600-04	5.8170-03	7.4630+03	9.2883-05	7.1100-01
71	435.69	1.9605+00	3.2361-01	9.8796-04	3.2361-01	9.8796-04	6.9093-04	1.5700-02	2.0142+04	2.5065-04	1.3070+00
72	446.77	3.5958+00	5.9986-01	1.8463-03	5.9986-01	1.8463-03	1.2912-03	2.9340-02	3.7643+04	4.6865-04	1.6410+00
73	454.04	1.8203+00	2.9357-01	9.0849-04	2.9357-01	9.0849-04	6.3535-04	1.4437-02	1.8522+04	2.3067-04	3.7770+00
74	471.70	2.2068+00	3.6564-01	1.1466-03	3.6564-01	1.1466-03	8.0185-04	1.8220-02	2.3376+04	2.9134-04	5.3230+00
77	454.79	8.0784+00	1.3432+00	4.1589-03	1.3432+00	4.1589-03	2.9085-03	6.6090-02	8.4791+04	1.0560-03	3.0090+00
78	443.19	6.4457+00	1.0507+00	3.2254-03	1.0507+00	3.2254-03	2.2557-03	5.1254-02	6.5758+04	8.1856-04	3.3930+00
79	442.01	4.0831+00	6.5311-01	2.0032-03	6.5311-01	2.0032-03	1.4009-03	3.1833-02	4.0841+04	5.0836-04	3.7770+00
80	490.26	9.4530+00	1.6283+00	5.1783-03	1.6283+00	5.1783-03	3.6215-03	8.2289-02	1.0557+05	1.3168-03	2.4660+00
81	459.79	7.4639+00	1.2452+00	3.8700-03	1.2452+00	3.8700-03	2.7065-03	6.1499-02	7.8901+04	9.8285-04	3.0090+00
82	447.94	7.0442+00	1.1554+00	3.5594-03	1.1554+00	3.5594-03	2.4893-03	5.6563-02	7.2568+04	9.0352-04	3.3930+00
83	446.06	6.7964+00	1.1034+00	3.3944-03	1.1034+00	3.3944-03	2.3739-03	5.3941-02	6.9204+04	8.6156-04	3.7770+00
337	543.75	1.7726+01	3.4523+00	1.1449-02	3.4523+00	1.1449-02	8.0068-03	1.8194-01	2.3342+05	2.9183-03	7.1680+00
339	529.31	1.6977+01	3.3472+00	1.0974-02	3.3472+00	1.0974-02	7.6743-03	1.7438-01	2.2373+05	2.7953-03	8.1130+00
340	487.67	6.4462+00	1.2119+00	3.8466-03	1.2119+00	3.8466-03	2.6901-03	6.1126-02	7.8423+04	9.7806-04	8.6180+00
342	537.68	1.5739+01	3.1522+00	1.0406-02	3.1522+00	1.0406-02	7.2771-03	1.6536-01	2.1215+05	2.6516-03	7.1680+00
344	519.09	1.2209+01	2.4044+00	7.8195-03	2.4044+00	7.8195-03	5.4685-03	1.2426-01	1.5942+05	1.9910-03	8.1130+00
347	506.15	1.0004+01	1.9032+00	6.1275-03	1.9032+00	6.1275-03	4.2852-03	9.7372-02	1.2493+05	1.5593-03	7.1680+00
349	494.94	5.4769+00	1.0594+00	3.3812-03	1.0594+00	3.3812-03	2.3646-03	5.3730-02	6.8935+04	8.5999-04	8.1130+00
350	472.12	1.1881+00	2.0870-01	6.5464-04	2.0870-01	6.5464-04	4.5782-04	1.0403-02	1.3347+04	1.6634-04	8.6180+00
352	487.11	1.5081+00	2.7661-01	8.7760-04	2.7661-01	8.7760-04	6.1374-04	1.3946-02	1.7892+04	2.2314-04	7.1680+00
354	486.11	1.7662+00	3.3879-01	1.0740-03	3.3879-01	1.0740-03	7.5113-04	1.7068-02	2.1897+04	2.7308-04	8.1130+00
357	495.33	4.8883+00	8.9895-01	2.8701-03	8.9895-01	2.8701-03	2.0072-03	4.5609-02	5.8514+04	7.3001-04	7.1680+00
359	490.06	4.8457+00	8.7105-01	2.7698-03	8.7105-01	2.7698-03	1.9371-03	4.4015-02	5.6470+04	7.0434-04	8.1130+00
401	549.49	6.0054+01	5.2893+00	1.7622-02	5.2893+00	1.7622-02	1.2324-02	2.8003-01	3.5927+05	4.4929-03	4.5500-01
403	504.87	3.2699+01	2.7682+00	8.9035-03	2.7682+00	8.9035-03	6.2266-03	1.4149-01	1.8152+05	2.2655-03	6.8600-01
404	4157.09	1.0379-02	-5.6918-03	-4.4075-06	-5.6918-03	-4.4075-06	-3.0824-06	-7.0040-05	-8.9859+01	-9.6737-07	8.0100-01
405	555.20	6.4644+01	5.6455+00	1.8896-02	5.6455+00	1.8896-02	1.3215-02	3.0027-01	3.8524+05	4.8188-03	1.0510+00
406	539.08	6.3195+01	5.4981+00	1.8166-02	5.4981+00	1.8166-02	1.2704-02	2.8867-01	3.7035+05	4.6293-03	1.1670+00
407	534.84	6.0310+01	5.3270+00	1.7541-02	5.3270+00	1.7541-02	1.2267-02	2.7874-01	3.5762+05	4.4693-03	1.2830+00
408	497.49	3.4299+01	2.8553+00	9.1314-03	2.8553+00	9.1314-03	6.3860-03	1.4511-01	1.8617+05	2.3228-03	5.1300-01
409	453.26	4.8753+00	4.0130-01	1.2411-03	4.0130-01	1.2411-03	8.6799-04	1.9723-02	2.5304+04	3.1512-04	5.7000-01
410	489.80	2.5872+01	2.1041+00	6.6894-03	2.1041+00	6.6894-03	4.6782-03	1.0630-01	1.3638+05	1.7010-03	6.2800-01
411	457.21	6.3039+00	5.2029-01	1.6139-03	5.2029-01	1.6139-03	1.1287-03	2.5646-02	3.2903+04	4.0982-04	6.8600-01
412	503.22	3.3288+01	2.8151+00	9.0427-03	2.8151+00	9.0427-03	6.3240-03	1.4370-01	1.8436+05	2.3008-03	7.4400-01
413	456.44	8.7117+00	7.2291-01	2.2411-03	7.2291-01	2.2411-03	1.5673-03	3.5613-02	4.5691+04	5.6908-04	8.0100-01
414	524.90	5.1291+01	4.3973+00	1.4366-02	4.3973+00	1.4366-02	1.0047-02	2.2829-01	2.9289+05	3.6588-03	8.5900-01
415	459.35	1.1329+01	9.3642-01	2.9093-03	9.3642-01	2.9093-03	2.0346-03	4.6232-02	5.9314+04	7.3885-04	9.1700-01
416	500.66	3.0510+01	2.4062+00	7.7140-03	2.4062+00	7.7140-03	5.3948-03	1.2258-01	1.5727+05	1.9625-03	5.7000-01
417	542.36	6.3432+01	5.4969+00	1.8209-02	5.4969+00	1.8209-02	1.2735-02	2.8937-01	3.7125+05	4.6412-03	1.0520+00

23 1 -3.03 -15.03 .00 -.00 402 11 3.20 10.09 459.2 1726.6

8.39869+01 9.81600-03 7.00045-01 4.53261+03 9.80584-06 6.80294-08 5.48112-02 7.72000+00 7.02876-06 7.47197-02

1	479.90	2.0363+01	3.4736+00	1.0957-02	3.4736+00	1.0957-02	7.6622-03	1.7412-01	2.2342+05	2.7863-03	4.1100-01
2	522.85	4.4940+01	7.8801+00	2.5695-02	7.8801+00	2.5695-02	1.7968-02	4.0832-01	5.2392+05	6.5463-03	7.1100-01
3	502.90	3.7672+01	6.5230+00	2.0942-02	6.5230+00	2.0942-02	1.4644-02	3.3278-01	4.2700+05	5.3306-03	1.3070+00
4	501.48	3.3131+01	5.7316+00	1.8381-02	5.7316+00	1.8381-02	1.2854-02	2.9209-01	3.7478+05	4.6785-03	1.6410+00
5	492.79	1.9805+01	3.5664+00	1.1361-02	3.5664+00	1.1361-02	7.9445-03	1.8053-01	2.3165+05	2.8906-03	1.7720+00
6	495.16	1.0291+01	1.7471+00	5.5756-03	1.7471+00	5.5756-03	3.8990-03	8.8602-02	1.1369+05	1.4188-03	2.4660+00
7	466.86	6.8618+00	1.1401+00	3.5609-03	1.1401+00	3.5609-03	2.4901-03	5.6586-02	7.2607+04	9.0501-04	3.0090+00
8	456.62	7.3688+00	1.2050+00	3.7351-03	1.2050+00	3.7351-03	2.6119-03	5.9354-02	7.6158+04	9.4886-04	3.3930+00
9	454.27	7.8016+00	1.2737+00	3.9412-03	1.2737+00	3.9412-03	2.7561-03	6.2629-02	8.0361+04	1.0011-03	3.7770+00
10	473.69	7.3252+00	1.2153+00	3.8156-03	1.2153+00	3.8156-03	2.6682-03	6.0634-02	7.7801+04	9.7003-04	5.3230+00
14	501.37	3.7446+01	6.4775+00	2.0771-02	6.4775+00	2.0771-02	1.4525-02	3.3007-01	4.2352+05	5.2868-03	1.0880+00
15	478.24	2.9752+01	5.0697+00	1.5971-02	5.0697+00	1.5971-02	1.1169-02	2.5380-01	3.2566+05	4.0611-03	1.3070+00
16	505.95	3.6744+01	6.3748+00	2.0514-02	6.3748+00	2.0514-02	1.4345-02	3.2599-01	4.1828+05	5.2225-03	1.6410+00
19	510.05	2.8903+01	4.5718+00	1.4759-02	4.5718+00	1.4759-02	1.0321-02	2.3453-01	3.0094+05	3.7580-03	4.1100-01
20	483.69	2.6806+01	4.3697+00	1.3823-02	4.3697+00	1.3823-02	9.6666-03	2.1966-01	2.8186+05	3.5157-03	7.1100-01
21	480.28	2.8658+01	4.7325+00	1.4932-02	4.7325+00	1.4932-02	1.0442-02	2.3729-01	3.0447+05	3.7973-03	1.0880+00
22	461.28	2.1702+01	3.5602+00	1.1074-02	3.5602+00	1.1074-02	7.7437-03	1.7597-01	2.2579+05	2.8137-03	1.3070+00
23	527.59	4.1558-02	7.0094-03	2.2941-05	7.0094-03	2.2941-05	1.6043-05	3.6456-04	4.6778+02	5.8460-06	1.6410+00
24	462.31	1.7382+00	2.8534-01	8.8820-04	2.8534-01	8.8820-04	6.2112-04	1.4114-02	1.8111+04	2.2569-04	3.0090+00
25	451.69	9.2779-01	1.4758-01	4.5577-04	1.4758-01	4.5577-04	3.1872-04	7.2426-03	9.2931+03	1.1576-04	3.3930+00
26	448.31	2.1917+00	3.4996-01	1.0781-03	3.4996-01	1.0781-03	7.5388-04	1.7131-02	2.1982+04	2.7377-04	3.7770+00
27	547.92	5.3645+01	9.1055+00	3.0288-02	9.1055+00	3.0288-02	2.1181-02	4.8131-01	6.1758+05	7.7253-03	7.1100-01
28	493.06	3.5934+01	5.9839+00	1.9066-02	5.9839+00	1.9066-02	1.3333-02	3.0297-01	3.8875+05	4.8511-03	1.0880+00
29	464.17	2.3227+01	3.8521+00	1.2008-02	3.8521+00	1.2008-02	8.3969-03	1.9081-01	2.4484+05	3.0514-03	1.3070+00
30	478.78	2.2630+01	3.8011+00	1.1980-02	3.8011+00	1.1980-02	8.3775-03	1.9037-01	2.4427+05	3.0463-03	1.6410+00
31	481.02	1.4654+01	2.5015+00	7.8974-03	2.5015+00	7.8974-03	5.5226-03	1.2550-01	1.6103+05	2.0083-03	1.7720+00
32	501.13	8.0332+00	1.3691+00	4.3893-03	1.3691+00	4.3893-03	3.0694-03	6.9750-02	8.9499+04	1.1172-03	2.4660+00
33	471.12	6.6130+00	1.1084+00	3.4732-03	1.1084+00	3.4732-03	2.4288-03	5.5192-02	7.0818+04	8.8287-04	3.0090+00
34	452.84	3.9496+00	6.4422-01	1.9912-03	6.4422-01	1.9912-03	1.3925-03	3.1642-02	4.0601+04	5.0577-04	3.3930+00
35	442.73	1.1969+00	1.8572-01	5.6976-04	1.8572-01	5.6976-04	3.9843-04	9.0541-03	1.1618+04	1.4466-04	3.7770+00
36	457.72	1.8869+01	3.0787+00	9.5506-03	3.0787+00	9.5506-03	6.6787-03	1.5177-01	1.9474+05	2.4263-03	1.3070+00
37	506.99	1.1721+01	2.0288+00	6.5340-03	2.0288+00	6.5340-03	4.5692-03	1.0383-01	1.3323+05	1.6635-03	2.4660+00
38	464.44	3.6203+00	5.9515-01	1.8556-03	5.9515-01	1.8556-03	1.2976-03	2.9487-02	3.7835+04	4.7154-04	3.0090+00
39	445.57	2.1548+00	3.4762-01	1.0687-03	3.4762-01	1.0687-03	7.4733-04	1.6982-02	2.1791+04	2.7136-04	3.3930+00
40	443.27	2.0384+00	3.2535-01	9.9853-04	3.2535-01	9.9853-04	6.9827-04	1.5868-02	2.0360+04	2.5352-04	3.7770+00
41	447.98	1.2727+00	1.9945-01	6.1425-04	1.9945-01	6.1425-04	4.2955-04	9.7611-03	1.2525+04	1.5599-04	4.1620+00
43	461.27	1.4317+00	2.3839-01	7.4147-04	2.3839-01	7.4147-04	5.1851-04	1.1783-02	1.5119+04	1.8840-04	5.3230+00
47	467.23	1.2978+01	2.1118+00	6.5979-03	2.1118+00	6.5979-03	4.6139-03	1.0485-01	1.3453+05	1.6769-03	7.1100-01
48	494.73	3.5576+01	6.0023+00	1.9149-02	6.0023+00	1.9149-02	1.3391-02	3.0430-01	3.9045+05	4.8726-03	1.0880+00
49	464.95	2.1582+01	3.5918+00	1.1203-02	3.5918+00	1.1203-02	7.8340-03	1.7802-01	2.2842+05	2.8469-03	1.3070+00
50	472.77	1.5420+01	2.5951+00	8.1418-03	2.5951+00	8.1418-03	5.6936-03	1.2938-01	1.6601+05	2.0698-03	1.6410+00
51	477.82	1.0254+01	1.7468+00	5.5012-03	1.7468+00	5.5012-03	3.8470-03	8.7420-02	1.1217+05	1.3988-03	1.7720+00
52	482.24	2.9621+00	5.0607-01	1.5992-03	5.0607-01	1.5992-03	1.1183-03	2.5412-02	3.2607+04	4.0670-04	2.4660+00
53	456.92	2.5849+00	4.2280-01	1.3108-03	4.2280-01	1.3108-03	9.1664-04	2.0830-02	2.6727+04	3.3300-04	3.0090+00
54	447.95	3.3948+00	5.4524-01	1.6792-03	5.4524-01	1.6792-03	1.1742-03	2.6684-02	3.4239+04	4.2642-04	3.3930+00
55	449.09	3.8873+00	6.1343-01	1.8908-03	6.1343-01	1.8908-03	1.3222-03	3.0047-02	3.8554+04	4.8019-04	3.7770+00
56	458.20	4.4281+00	6.8353-01	2.1212-03	6.8353-01	2.1212-03	1.4833-03	3.3707-02	4.3251+04	5.3890-04	4.1100-01
57	461.03	9.5938+00	1.5452+00	4.8053-03	1.5452+00	4.8053-03	3.3603-03	7.6360-02	9.7980+04	1.2210-03	7.1100-01
58	465.23	1.8181+01	3.0084+00	9.3850-03	3.0084+00	9.3850-03	6.5629-03	1.4914-01	1.9136+05	2.3851-03	1.0880+00
59	463.75	1.8560+01	3.0772+00	9.5892-03	3.0772+00	9.5892-03	6.7057-03	1.5238-01	1.9552+05	2.4368-03	1.3070+00
60	469.37	1.3675+01	2.2827+00	7.1433-03	2.2827+00	7.1433-03	4.9953-03	1.1351-01	1.4565+05	1.8157-03	1.6410+00
61	451.86	2.2192+00	3.6064-01	1.1139-03	3.6064-01	1.1139-03	7.7896-04	1.7701-02	2.2713+04	2.8292-04	3.0090+00
62	441.86	1.6971+00	2.7144-01	8.3220-04	2.7144-01	8.3220-04	5.8195-04	1.3224-02	1.6969+04	2.1128-04	3.3930+00
63	444.28	1.1740+00	1.8465-01	5.6715-04	1.8465-01	5.6715-04	3.9660-04	9.0125-03	1.1564+04	1.4400-04	3.7770+00
64	452.87	1.1784+01	1.9741+00	6.1020-03	1.9741+00	6.1020-03	4.2671-03	9.6966-02	1.2442+05	1.5499-03	1.0880+00
65	445.88	1.0404+01	1.7345+00	5.3336-03	1.7345+00	5.3336-03	3.7298-03	8.4756-02	1.0875+05	1.3543-03	1.3070+00
66	464.98	1.2609+01	2.1297+00	6.6427-03	2.1297+00	6.6427-03	4.6452-03	1.0556-01	1.3545+05	1.6881-03	1.6410+00
69	449.27	2.4732+00	4.1330-01	1.2741-03	4.1330-01	1.2741-03	8.9097-04	2.0247-02	2.5979+04	3.2357-04	4.1100-01
70	439.16	7.2675-01	1.2060-01	3.6902-04	1.2060-01	3.6902-04	2.5806-04	5.8641-03	7.5244+03	9.3677-05	7.1100-01
71	436.67	2.0332+00	3.3584-01	1.0257-03	3.3584-01	1.0257-03	7.1730-04	1.6300-02	2.0915+04	2.6036-04	1.3070+00
72	448.55	3.5990+00	6.0112-01	1.8521-03	6.0112-01	1.8521-03	1.2952-03	2.9432-02	3.7765+04	4.7035-04	1.6410+00
73	454.98	1.8416+00	2.9720-01	9.2008-04	2.9720-01	9.2008-04	6.4341-04	1.4621-02	1.8761+04	2.3372-04	3.7770+00
74	472.81	2.1787+00	3.6126-01	1.1334-03	3.6126-01	1.1334-03	7.9262-04	1.8012-02	2.3111+04	2.8814-04	5.3230+00
77	458.94	8.2156+00	1.3698+00	4.2533-03	1.3698+00	4.2533-03	2.9744-03	6.7590-02	8.6726+04	1.0806-03	3.0090+00
78	446.39	6.4296+00	1.0504+00	3.2311-03	1.0504+00	3.2311-03	2.2595-03	5.1346-02	6.5883+04	8.2048-04	3.3930+00
79	444.09	4.2239+00	6.7660-01	2.0778-03	6.7660-01	2.0778-03	1.4530-03	3.3019-02	4.2367+04	5.2757-04	3.7770+00
80	495.13	9.9865+00	1.7256+00	5.5068-03	1.7256+00	5.5068-03	3.8509-03	8.7508-02	1.1228+05	1.4013-03	2.4660+00
81	463.53	7.4322+00	1.2431+00	3.8730-03	1.2431+00	3.8730-03	2.7084-03	6.1546-02	7.8971+04	9.8419-04	3.0090+00
82	451.40	6.7387+00	1.1080+00	3.4209-03	1.1080+00	3.4209-03	2.3922-03	5.4362-02	6.9753+04	8.6886-04	3.3930+00
83	449.46	6.5855+00	1.0717+00	3.3041-03	1.0717+00	3.3041-03	2.3106-03	5.2506-02	6.7372+04	8.3913-04	3.7770+00
337	552.58	1.7597+01	3.4455+00	1.1504-02	3.4455+00	1.1504-02	8.0449-03	1.8281-01	2.3457+05	2.9349-03	7.1680+00
339	537.78	1.6844+01	3.3383+00	1.1015-02	3.3383+00	1.1015-02	7.7027-03	1.7504-01	2.2459+05	2.8081-03	8.1130+00
340	490.90	6.4914+00	1.2230+00	3.8901-03	1.2230+00	3.8901-03	2.7203-03	6.1818-02	7.9320+04	9.8970-04	8.6180+00
342	545.82	1.5771+01	3.1739+00	1.0540-02	3.1739+00	1.0540-02	7.3704-03	1.6749-01	2.1491+05	2.6880-03	7.1680+00
344	525.15	1.2061+01	2.3841+00	7.7882-03	2.3841+00	7.7882-03	5.4463-03	1.2376-01	1.5880+05	1.9844-03	8.1130+00
347	511.19	1.0023+01	1.9131+00	6.1815-03	1.9131+00	6.1815-03	4.3227-03	9.8230-02	1.2604+05	1.5741-03	7.1680+00
349	497.69	5.4805+00	1.0619+00	3.3956-03	1.0619+00	3.3956-03	2.3745-03	5.3959-02	6.9237+04	8.6414-04	8.1130+00
350	472.77	1.1953+00	2.1007-01	6.5906-04	2.1007-01	6.5906-04	4.6088-04	1.0473-02	1.3438+04	1.6754-04	8.6180+00
352	487.87	1.5299+00	2.8075-01	8.9097-04	2.8075-01	8.9097-04	6.2305-04	1.4158-02	1.8167+04	2.2665-04	7.1680+00
354	487.00	1.7600+00	3.3779-01	1.0713-03	3.3779-01	1.0713-03	7.4915-04	1.7024-02	2.1844+04	2.7251-04	8.1130+00
357	497.80	4.9081+00	9.0403-01	2.8909-03	9.0403-01	2.8909-03	2.0216-03	4.5939-02	5.8946+04	7.3571-04	7.1680+00
359	492.46	4.7855+00	8.6156-01	2.7438-03	8.6156-01	2.7438-03	1.9188-03	4.3602-02	5.5947+04	6.9812-04	8.1130+00
401	577.49	5.2405+01	4.6928+00	1.5990-02	4.6928+00	1.5990-02	1.1182-02	2.5410-01	3.2605+05	4.0840-03	4.5500-01
403	520.55	3.0174+01	2.5799+00	8.3972-03	2.5799+00	8.3972-03	5.8721-03	1.3344-01	1.7122+05	2.1391-03	6.8600-01
404	4157.04	1.0398-02	-5.7017-03	-4.4148-06	-5.7017-03	-4.4148-06	-3.0873-06	-7.0156-05	-9.0019+01	-9.6907-07	8.0100-01
405	585.59	5.7408+01	5.1039+00	1.7508-02	5.1039+00	1.7508-02	1.2243-02	2.7822-01	3.5699+05	4.4732-03	1.0510+00
406	568.95	5.6735+01	5.0253+00	1.7003-02	5.0253+00	1.7003-02	1.1890-02	2.7020-01	3.4670+05	4.3410-03	1.1670+00
407	563.54	5.4830+01	4.9275+00	1.6599-02	4.9275+00	1.6599-02	1.1608-02	2.6378-01	3.3846+05	4.2368-03	1.2830+00
408	514.52	3.3649+01	2.8318+00	9.1739-03	2.8318+00	9.1739-03	6.4153-03	1.4578-01	1.8706+05	2.3364-03	5.1300-01
409	456.09	6.0332+00	4.9757-01	1.5417-03	4.9757-01	1.5417-03	1.0781-03	2.4498-02	3.1435+04	3.9163-04	5.7000-01
410	502.74	2.5754+01	2.1121+00	6.7800-03	2.1121+00	6.7800-03	4.7412-03	1.0774-01	1.3825+05	1.7258-03	6.2800-01
411	460.62	7.2847+00	6.0262-01	1.8735-03	6.0262-01	1.8735-03	1.3101-03	2.9772-02	3.8201+04	4.7602-04	6.8600-01
412	520.06	3.3014+01	2.8218+00	9.1812-03	2.8218+00	9.1812-03	6.4204-03	1.4590-01	1.8721+05	2.3388-03	7.4400-01
413	461.03	9.8145+00	8.1696-01	2.5406-03	8.1696-01	2.5406-03	1.7766-03	4.0373-02	5.1803+04	6.4554-04	8.0100-01
414	549.82	4.8514+01	4.2232+00	1.4069-02	4.2232+00	1.4069-02	9.8387-03	2.2358-01	2.8688+05	3.5888-03	8.5900-01
415	465.35	1.2654+01	1.0501+00	3.2763-03	1.0501+00	3.2763-03	2.2911-03	5.2064-02	6.6805+04	8.3263-04	9.1700-01
416	515.69	2.9544+01	2.3525+00	7.6279-03	2.3525+00	7.6279-03	5.3342-03	1.2121-01	1.5553+05	1.9428-03	5.7000-01
417	572.94	5.8788+01	5.1883+00	1.7612-02	5.1883+00	1.7612-02	1.2316-02	2.7988-01	3.5912+05	4.4973-03	1.0520+00

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25 1 11.99 -.01 .00 -.00 402 11 1.90 10.13 764.3 1781.5

8.63634+01 1.59755-02 1.14785+00 4.61348+03 1.55198-05 6.99543-08 8.58684-02 7.72000+00 7.25452-06 7.44429-02

1	444.43	2.7616+00	4.5994-01	1.3493-03	4.5994-01	1.3493-03	5.8572-04	1.6951-02	2.6656+04	3.4401-04	4.1100-01
2	436.47	4.3112+00	7.1408-01	2.0832-03	7.1408-01	2.0832-03	9.0429-04	2.6170-02	4.1154+04	5.3092-04	7.1100-01
3	448.35	1.4215+01	2.3739+00	6.9834-03	2.3739+00	6.9834-03	3.0314-03	8.7730-02	1.3796+05	1.7807-03	1.3070+00
4	461.44	4.2505+01	7.1620+00	2.1266-02	7.1620+00	2.1266-02	9.2312-03	2.6715-01	4.2012+05	5.4257-03	1.6410+00
5	459.85	4.0462+01	7.1290+00	2.1144-02	7.1290+00	2.1144-02	9.1783-03	2.6562-01	4.1770+05	5.3942-03	1.7720+00
6	457.27	1.0951+01	1.8131+00	5.3677-03	1.8131+00	5.3677-03	2.3300-03	6.7432-02	1.0604+05	1.3693-03	2.4660+00
7	441.58	5.6296+00	9.1936-01	2.6917-03	9.1936-01	2.6917-03	1.1684-03	3.3814-02	5.3175+04	6.8616-04	3.0090+00
8	436.31	4.6977+00	7.5754-01	2.2097-03	7.5754-01	2.2097-03	9.5921-04	2.7760-02	4.3654+04	5.6317-04	3.3930+00
9	437.66	3.6540+00	5.8980-01	1.7220-03	5.8980-01	1.7220-03	7.4752-04	2.1633-02	3.4020+04	4.3891-04	3.7770+00
10	461.21	2.1257+00	3.4974-01	1.0383-03	3.4974-01	1.0383-03	4.5072-04	1.3044-02	2.0512+04	2.6491-04	5.3230+00
4	434.02	7.8182+00	1.2928+00	3.7649-03	1.2928+00	3.7649-03	1.6343-03	4.7297-02	7.4377+04	9.5942-04	1.0880+00
5	437.81	1.5793+01	2.6184+00	7.6457-03	2.6184+00	7.6457-03	3.3189-03	9.6050-02	1.5105+05	1.9487-03	1.3070+00
6	453.14	5.1237+01	8.5848+00	2.5340-02	8.5848+00	2.5340-02	1.1000-02	3.1834-01	5.0061+05	6.4630-03	1.6410+00
9	452.22	2.1403+00	3.2589-01	9.6132-04	3.2589-01	9.6132-04	4.1730-04	1.2077-02	1.8991+04	2.4517-04	4.1100-01
0	446.19	4.2842+00	6.8098-01	2.0002-03	6.8098-01	2.0002-03	8.6828-04	2.5128-02	3.9515+04	5.1000-04	7.1100-01
1	435.93	8.3366+00	1.3359+00	3.8958-03	1.3359+00	3.8958-03	1.6911-03	4.8941-02	7.6963+04	9.9287-04	1.0880+00
2	435.94	1.6084+01	2.5930+00	7.5618-03	2.5930+00	7.5618-03	3.2825-03	9.4996-02	1.4939+05	1.9272-03	1.3070+00
3	580.04	3.3247-02	5.7868-03	1.8777-05	5.7868-03	1.8777-05	8.1509-06	2.3589-04	3.7095+02	4.8167-06	1.6410+00
4	450.17	5.0914+00	8.2894-01	2.4417-03	8.2894-01	2.4417-03	1.0599-03	3.0674-02	4.8237+04	6.2267-04	3.0090+00
5	446.55	4.5470+00	7.2072-01	2.1175-03	7.2072-01	2.1175-03	9.1918-04	2.6601-02	4.1832+04	5.3991-04	3.3930+00
6	445.23	3.6364+00	5.7940-01	1.7007-03	5.7940-01	1.7007-03	7.3826-04	2.1366-02	3.3599+04	4.3362-04	3.7770+00
7	446.15	4.0244+00	6.3968-01	1.8789-03	6.3968-01	1.8789-03	8.1560-04	2.3604-02	3.7118+04	4.7905-04	7.1100-01
8	438.55	8.7174+00	1.3995+00	4.0887-03	1.3995+00	4.0887-03	1.7748-03	5.1364-02	8.0774+04	1.0421-03	1.0880+00
9	441.05	1.3654+01	2.2289+00	6.5233-03	2.2289+00	6.5233-03	2.8317-03	8.1950-02	1.2887+05	1.6629-03	1.3070+00
0	457.34	5.5106+01	9.1242+00	2.7013-02	9.1242+00	2.7013-02	1.1726-02	3.3935-01	5.3365+05	6.8908-03	1.6410+00
1	455.31	4.3454+01	7.2915+00	2.1556-02	7.2915+00	2.1556-02	9.3572-03	2.7080-01	4.2585+05	5.4983-03	1.7720+00
2	458.42	1.0700+01	1.7729+00	5.2528-03	1.7729+00	5.2528-03	2.2802-03	6.5989-02	1.0377+05	1.3400-03	2.4660+00
3	445.81	5.1060+00	8.4127-01	2.4704-03	8.4127-01	2.4704-03	1.0724-03	3.1035-02	4.8804+04	6.2986-04	3.0090+00
4	441.33	4.2826+00	6.9302-01	2.0286-03	6.9302-01	2.0286-03	8.8061-04	2.5485-02	4.0077+04	5.1713-04	3.3930+00
5	441.35	3.6332+00	5.6323-01	1.6487-03	5.6323-01	1.6487-03	7.1570-04	2.0713-02	3.2572+04	4.2029-04	3.7770+00
6	444.66	1.3676+01	2.2115+00	6.4888-03	2.2115+00	6.4888-03	2.8167-03	8.1516-02	1.2819+05	1.6543-03	1.3070+00
7	456.89	1.0474+01	1.7543+00	5.1921-03	1.7543+00	5.1921-03	2.2539-03	6.5227-02	1.0257+05	1.3245-03	2.4660+00
8	443.22	5.7423+00	9.3045-01	2.7273-03	9.3045-01	2.7273-03	1.1839-03	3.4262-02	5.3879+04	6.9529-04	3.0090+00
9	438.29	5.0545+00	8.1131-01	2.3699-03	8.1131-01	2.3699-03	1.0287-03	2.9772-02	4.6818+04	6.0404-04	3.3930+00
0	439.95	3.9673+00	6.3175-01	1.8475-03	6.3175-01	1.8475-03	8.0197-04	2.3209-02	3.6498+04	4.7093-04	3.7770+00
1	446.41	3.2494+00	5.0865-01	1.4943-03	5.0865-01	1.4943-03	6.4865-04	1.8772-02	2.9520+04	3.8100-04	4.1620+00
3	461.24	2.0431+00	3.4019-01	1.0100-03	3.4019-01	1.0100-03	4.3841-04	1.2688-02	1.9952+04	2.5768-04	5.3230+00
7	446.14	4.1506+00	6.6581-01	1.9556-03	6.6581-01	1.9556-03	8.4891-04	2.4568-02	3.8634+04	4.9862-04	7.1100-01
8	446.23	7.5725+00	1.2369+00	3.6333-03	1.2369+00	3.6333-03	1.5772-03	4.5644-02	7.1778+04	9.2639-04	1.0880+00
9	444.07	1.6554+01	2.7161+00	7.9659-03	2.7161+00	7.9659-03	3.4579-03	1.0007-01	1.5737+05	2.0309-03	1.3070+00
0	465.89	5.3731+01	9.0010+00	2.6811-02	9.0010+00	2.6811-02	1.1638-02	3.3682-01	5.2967+05	6.8420-03	1.6410+00
1	462.71	4.4411+01	7.4896+00	2.2259-02	7.4896+00	2.2259-02	9.6623-03	2.7963-01	4.3973+05	5.6794-03	1.7720+00
2	452.58	4.3813+00	7.3381-01	2.1652-03	7.3381-01	2.1652-03	9.3987-04	2.7200-02	4.2774+04	5.5220-04	2.4660+00
3	439.69	5.1865+00	8.3833-01	2.4512-03	8.3833-01	2.4512-03	1.0640-03	3.0793-02	4.8424+04	6.2480-04	3.0090+00
4	437.26	4.4234+00	7.0520-01	2.0584-03	7.0520-01	2.0584-03	8.9354-04	2.5859-02	4.0665+04	5.2463-04	3.3930+00
5	439.36	3.6748+00	5.7602-01	1.6838-03	5.7602-01	1.6838-03	7.3093-04	2.1153-02	3.3265+04	4.2920-04	3.7770+00
6	450.57	2.3491+00	3.6073-01	1.0629-03	3.6073-01	1.0629-03	4.6138-04	1.3352-02	2.0997+04	2.7105-04	4.1100-01
7	446.83	4.0592+00	6.4749-01	1.9027-03	6.4749-01	1.9027-03	8.2596-04	2.3903-02	3.7589+04	4.8515-04	7.1100-01
8	439.97	7.4286+00	1.2082+00	3.5333-03	1.2082+00	3.5333-03	1.5338-03	4.4387-02	6.9802+04	9.0064-04	1.0880+00
9	442.71	1.4313+01	2.3393+00	6.8544-03	2.3393+00	6.8544-03	2.9754-03	8.6109-02	1.3541+05	1.7474-03	1.3070+00
0	469.28	5.8111+01	9.6994+00	2.8962-02	9.6994+00	2.8962-02	1.2572-02	3.6384-01	5.7216+05	7.3919-03	1.6410+00
1	440.91	4.0208+00	6.4851-01	1.8978-03	6.4851-01	1.8978-03	8.2380-04	2.3841-02	3.7492+04	4.8377-04	3.0090+00
2	436.87	3.6831+00	5.8703-01	1.7130-03	5.8703-01	1.7130-03	7.4360-04	2.1520-02	3.3842+04	4.3659-04	3.3930+00
3	442.56	3.3158+00	5.2091-01	1.5261-03	5.2091-01	1.5261-03	6.6249-04	1.9172-02	3.0150+04	3.8906-04	3.7770+00
4	439.43	7.7984+00	1.2944+00	3.7838-03	1.2944+00	3.7838-03	1.6425-03	4.7535-02	7.4752+04	9.6449-04	1.0880+00
5	442.54	1.4731+01	2.4503+00	7.1786-03	2.4503+00	7.1786-03	3.1162-03	9.0183-02	1.4182+05	1.8301-03	1.3070+00
6	467.65	5.7684+01	9.7602+00	2.9109-02	9.7602+00	2.9109-02	1.2636-02	3.6569-01	5.7507+05	7.4290-03	1.6410+00
9	446.35	2.3688+00	3.9506-01	1.1605-03	3.9506-01	1.1605-03	5.0377-04	1.4579-02	2.2927+04	2.9590-04	4.1100-01
0	441.40	4.5429+00	7.5504-01	2.2103-03	7.55C4-01	2.2103-03	9.5946-04	2.7767-02	4.3665+04	5.6344-04	7.1100-01
1	452.19	1.3622+01	2.2742+00	6.7084-03	2.2742+00	6.7084-03	2.9120-03	8.4275-02	1.3253+05	1.7109-03	1.3070+00
2	473.70	5.6703+01	9.6330+00	2.8855-02	9.6330+00	2.8855-02	1.2526-02	3.6250-01	5.7005+05	7.3661-03	1.6410+00
3	456.06	3.8634+00	6.2395-01	1.8456-03	6.2395-01	1.8456-03	8.0114-04	2.3185-02	3.6460+04	4.7077-04	3.7770+00
4	471.81	2.2358+00	3.7049-01	1.1083-03	3.7049-01	1.1083-03	4.8109-04	1.3923-02	2.1895+04	2.8290-04	5.3230+00
7	439.92	5.0842+00	8.3674-01	2.4469-03	8.3674-01	2.4469-03	1.0622-03	3.0740-02	4.8340+04	6.2372-04	3.0090+00
8	438.08	4.2468+00	6.8979-01	2.0146-03	6.8979-01	2.0146-03	8.7451-04	2.5309-02	3.9799+04	5.1348-04	3.3930+00
9	442.65	3.3792+00	5.4076-01	1.5844-03	5.4076-01	1.5844-03	6.8777-04	1.9904-02	3.1301+04	4.0392-04	3.7770+00
0	456.16	1.1152+01	1.8778+00	5.5547-03	1.8778+00	5.5547-03	2.4112-03	6.9781-02	1.0974+05	1.4169-03	2.4660+00
1	439.54	5.1408+00	8.4583-01	2.4729-03	8.4583-01	2.4729-03	1.0734-03	3.1066-02	4.8853+04	6.3032-04	3.0090+00
2	437.79	3.8436+00	6.2605-01	1.8280-03	6.2605-01	1.8280-03	7.9354-04	2.2965-02	3.6114+04	4.6593-04	3.3930+00
3	438.43	3.6769+00	5.9380-01	1.7347-03	5.9380-01	1.7347-03	7.5301-04	2.1792-02	3.4270+04	4.4214-04	3.7770+00
337	489.98	1.6635+01	3.1321+00	9.4933-03	3.1321+00	9.4933-03	4.1210-03	1.1926-01	1.8755+05	2.4252-03	7.1680+00
339	478.55	1.4186+01	2.7076+00	8.1390-03	2.7076+00	8.1390-03	3.5330-03	1.0225-01	1.6079+05	2.0781-03	8.1130+00
340	468.78	3.7418+00	6.9474-01	2.0737-03	6.9474-01	2.0737-03	9.0017-04	2.6051-02	4.0967+04	5.2926-04	8.6180+00
342	484.55	1.5392+01	2.9802+00	8.9975-03	2.9802+00	8.9975-03	3.9057-03	1.1303-01	1.7775+05	2.2980-03	7.1680+00
344	477.21	1.6370+01	3.1381+00	9.4237-03	3.1381+00	9.4237-03	4.0908-03	1.1839-01	1.8617+05	2.4060-03	8.1130+00
347	485.52	1.4586+01	2.7384+00	8.2733-03	2.7384+00	8.2733-03	3.5914-03	1.0393-01	1.6344+05	2.1131-03	7.1680+00
349	478.27	1.6684+01	3.1920+00	9.5932-03	3.1920+00	9.5932-03	4.1643-03	1.2052-01	1.8952+05	2.4494-03	8.1130+00
350	467.61	4.2468+00	7.4375-01	2.2181-03	7.4375-01	2.2181-03	9.6287-04	2.7866-02	4.3821+04	5.6609-04	8.6180+00
352	496.07	2.0435+01	3.7701+00	1.1478-02	3.7701+00	1.1478-02	4.9826-03	1.4420-01	2.2676+05	2.9330-03	7.1680+00
354	486.27	2.0156+01	3.8667+00	1.1688-02	3.8667+00	1.1688-02	5.0738-03	1.4684-01	2.3091+05	2.9855-03	8.1130+00
357	499.47	2.1057+01	3.8827+00	1.1851-02	3.8827+00	1.1851-02	5.1443-03	1.4888-01	2.3412+05	3.0287-03	7.1680+00
359	488.26	2.0979+01	3.7666+00	1.1402-02	3.7666+00	1.1402-02	4.9497-03	1.4324-01	2.2526+05	2.9127-03	8.1130+00
401	453.07	4.8494+00	4.0149-01	1.1850-03	4.0149-01	1.1850-03	5.1441-04	1.4887-02	2.3411+04	3.0224-04	4.5500-01
403	454.80	5.3506+00	4.3826-01	1.2952-03	4.3826-01	1.2952-03	5.6222-04	1.6271-02	2.5587+04	3.3036-04	6.8600-01
404	1149.52	-3.0859+02	1.6241+01	2.2972-02	1.6241+01	2.2972-02	9.9721-03	2.8860-01	4.5383+05	5.5411-03	8.0100-01
405	463.77	1.0130+01	8.3478-01	2.4828-03	8.3478-01	2.4828-03	1.0778-03	3.1190-02	4.9049+04	6.3352-04	1.0510+00
406	466.35	1.6302+01	1.3538+00	4.0340-03	1.3538+00	4.0340-03	1.7511-03	5.0677-02	7.9693+04	1.0295-03	1.1670+00
407	473.28	1.9650+01	1.6687+00	4.9970-03	1.6687+00	4.9970-03	2.1692-03	6.2776-02	9.8719+04	1.2756-03	1.2830+00
408	454.87	7.0566+00	5.7110-01	1.6878-03	5.7110-01	1.6878-03	7.3266-04	2.1203-02	3.3344+04	4.3051-04	5.1300-01
409	453.53	8.1683+00	6.7248-01	1.9855-03	6.7248-01	1.9855-03	8.6190-04	2.4944-02	3.9225+04	5.0641-04	5.7000-01
410	454.06	7.6161+00	6.0484-01	1.7865-03	6.0484-01	1.7865-03	7.7551-04	2.2443-02	3.5294+04	4.5567-04	6.2800-01
411	455.74	9.5823+00	7.9008-01	2.3364-03	7.9008-01	2.3364-03	1.0142-03	2.9352-02	4.6158+04	5.9597-04	6.8600-01
412	464.90	7.2031+00	5.9404-01	1.7682-03	5.9404-01	1.7682-03	7.6757-04	2.2214-02	3.4932+04	4.5121-04	7.4400-01
413	458.94	1.0667+01	8.8667-01	2.6280-03	8.8667-01	2.6280-03	1.1408-03	3.3015-02	5.1918+04	6.7044-04	8.0100-01
414	458.27	9.7195+00	7.9798-01	2.3640-03	7.9798-01	2.3640-03	1.0262-03	2.9699-02	4.6703+04	6.0308-04	8.5900-01
415	460.66	1.1308+01	9.3544-01	2.7760-03	9.3544-01	2.7760-03	1.2050-03	3.4874-02	5.4841+04	7.0825-04	9.1700-01
416	454.84	7.8743+00	6.0250-01	1.7806-03	6.0250-01	1.7806-03	7.7234-04	2.2369-02	3.5177+04	4.5417-04	5.7000-01
417	462.79	1.4029+01	1.1553+00	3.4338-03	1.1553+00	3.4338-03	1.4906-03	4.3137-02	6.7836+04	8.7615-04	1.0520+00

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25 1 11.98 -.02 .00 -.00 402 11 2.15 10.13 764.3 1781.3

8.63543+01 1.59758-02 1.14787+00 4.61323+03 1.55217-05 6.99470-08 8.58833-02 7.72000+00 7.25366-06 7.44439-02

1	445.08	2.6473+00	4.4111-01	1.2941-03	4.4111-01	1.2941-03	5.6171-04	1.6257-02	2.5568+04	3.3012-04	4.1100-01
2	437.42	4.0639+00	6.7357-01	1.9655-03	6.7357-01	1.9655-03	8.5314-04	2.4692-02	3.8834+04	5.0123-04	7.1100-01
3	450.34	9.9148+00	1.6581+00	4.8824-03	1.6581+00	4.8824-03	2.1192-03	6.1335-02	9.6465+04	1.2458-03	1.3070+00
4	471.18	3.8492+01	6.5284+00	1.9512-02	6.5284+00	1.9512-02	8.4692-03	2.4512-01	3.8551+05	4.9832-03	1.6410+00
5	470.10	3.9724+01	7.0474+00	2.1046-02	7.0474+00	2.1046-02	9.1354-03	2.6440-01	4.1583+05	5.3749-03	1.7720+00
6	460.14	1.1474+01	1.9034+00	5.6441-03	1.9034+00	5.6441-03	2.4499-03	7.0905-02	1.1152+05	1.4408-03	2.4660+00
7	443.05	5.7777+00	9.4450-01	2.7669-03	9.4450-01	2.7669-03	1.2010-03	3.4760-02	5.4669+04	7.0578-04	3.0090+00
8	437.49	4.7008+00	7.5867-01	2.2139-03	7.5867-01	2.2139-03	9.6096-04	2.7812-02	4.3742+04	5.6457-04	3.3930+00
9	438.55	3.6665+00	5.9218-01	1.7293-03	5.9218-01	1.7293-03	7.5064-04	2.1725-02	3.4168+04	4.4103-04	3.7770+00
10	461.74	2.1392+00	3.5209-01	1.0452-03	3.5209-01	1.0452-03	4.5369-04	1.3131-02	2.0651+04	2.6683-04	5.3230+00
14	435.53	6.7242+00	1.1130+00	3.2435-03	1.1130+00	3.2435-03	1.4079-03	4.0747-02	6.4085+04	8.2707-04	1.0880+00
15	440.35	1.1978+01	1.9894+00	5.8169-03	1.9894+00	5.8169-03	2.5249-03	7.3076-02	1.1493+05	1.4836-03	1.3070+00
16	465.31	4.8090+01	8.1241+00	2.4179-02	8.1241+00	2.4179-02	1.0495-02	3.0375-01	4.7772+05	6.1735-03	1.6410+00
19	452.78	2.3356+00	3.5577-01	1.0494-03	3.5577-01	1.0494-03	4.5551-04	1.3184-02	2.0734+04	2.6780-04	4.1100-01
20	447.16	4.1382+00	6.5822-01	1.9339-03	6.5822-01	1.9339-03	8.3942-04	2.4295-02	3.8209+04	4.9337-04	7.1100-01
21	437.47	6.8862+00	1.1047+00	3.2236-03	1.1047+00	3.2236-03	1.3992-03	4.0497-02	6.3691+04	8.2206-04	1.0880+00
22	438.58	1.2426+01	2.0070+00	5.8611-03	2.0070+00	5.8611-03	2.5441-03	7.3631-02	1.1580+05	1.4947-03	1.3070+00
23	580.05	3.3247-02	5.7869-03	1.8768-05	5.7869-03	1.8768-05	8.1466-06	2.3578-04	3.7082+02	4.8175-06	1.6410+00
24	451.42	4.9558+00	8.0756-01	2.3798-03	8.0756-01	2.3798-03	1.0330-03	2.9896-02	4.7020+04	6.0725-04	3.0090+00
25	447.68	4.5070+00	7.1494-01	2.1013-03	7.1494-01	2.1013-03	9.1209-04	2.6398-02	4.1517+04	5.3610-04	3.3930+00
26	446.14	3.6431+00	5.8084-01	1.7053-03	5.8084-01	1.7053-03	7.4021-04	2.1423-02	3.3693+04	4.3504-04	3.7770+00
27	447.01	3.7340+00	5.9387-01	1.7446-03	5.9387-01	1.7446-03	7.5727-04	2.1917-02	3.4470+04	4.4509-04	7.1100-01
28	440.21	7.3626+00	1.1834+00	3.4598-03	1.1834+00	3.4598-03	1.5018-03	4.3464-02	6.8358+04	8.8240-04	1.0880+00
29	444.29	1.3152+01	2.1518+00	6.3093-03	2.1518+00	6.3093-03	2.7386-03	7.9262-02	1.2466+05	1.6094-03	1.3070+00
30	470.68	5.2901+01	8.8379+00	2.6405-02	8.8379+00	2.6405-02	1.1461-02	3.3171-01	5.2170+05	6.7434-03	1.6410+00
31	466.54	4.4001+01	7.4395+00	2.2161-02	7.4395+00	2.2161-02	9.6192-03	2.7840-01	4.3785+05	5.6586-03	1.7720+00
32	461.18	1.1336+01	1.8818+00	5.5840-03	1.8818+00	5.5840-03	2.4238-03	7.0150-02	1.1033+05	1.4255-03	2.4660+00
33	447.07	5.1766+00	8.5365-01	2.5079-03	8.5365-01	2.5079-03	1.0886-03	3.1506-02	4.9551+04	6.3982-04	3.0090+00
34	442.40	4.3081+00	6.9766-01	2.0429-03	6.9766-01	2.0429-03	8.8674-04	2.5664-02	4.0363+04	5.2108-04	3.3930+00
35	442.26	3.6353+00	5.6391-01	1.6511-03	5.6391-01	1.6511-03	7.1666-04	2.0742-02	3.2622+04	4.2113-04	3.7770+00
36	447.87	1.2639+01	2.0483+00	6.0212-03	2.0483+00	6.0212-03	2.6135-03	7.5642-02	1.1897+05	1.5362-03	1.3070+00
37	459.59	1.0994+01	1.8447+00	5.4678-03	1.8447+00	5.4678-03	2.3733-03	6.8690-02	1.0803+05	1.3957-03	2.4660+00
38	444.68	5.8275+00	9.4521-01	2.7722-03	9.4521-01	2.7722-03	1.2033-03	3.4826-02	5.4773+04	7.0718-04	3.0090+00
39	439.61	4.8410+00	7.7775-01	2.2730-03	7.7775-01	2.2730-03	9.8661-04	2.8555-02	4.4909+04	5.7970-04	3.3930+00
40	440.93	4.0026+00	6.3781-01	1.8657-03	6.3781-01	1.8657-03	8.0982-04	2.3438-02	3.6862+04	4.7585-04	3.7770+00
41	447.24	3.2696+00	5.1211-01	1.5047-03	5.1211-01	1.5047-03	6.5313-04	1.8903-02	2.9730+04	3.8388-04	4.1620+00
43	461.77	2.0914+00	3.4836-01	1.0341-03	3.4836-01	1.0341-03	4.4888-04	1.2992-02	2.0433+04	2.6400-04	5.3230+00
47	447.14	4.0052+00	6.4292-01	1.8889-03	6.4292-01	1.8889-03	8.1989-04	2.3729-02	3.7320+04	4.8190-04	7.1100-01
48	448.09	7.5288+00	1.2314+00	3.6202-03	1.2314+00	3.6202-03	1.5714-03	4.5480-02	7.1528+04	9.2364-04	1.0880+00
49	447.09	1.3433+01	2.2087+00	6.4888-03	2.2087+00	6.4888-03	2.8165-03	8.1517-02	1.2821+05	1.6554-03	1.3070+00
50	479.33	5.3067+01	8.9696+00	2.6966-02	8.9696+00	2.6966-02	1.1705-02	3.3876-01	5.3279+05	6.8894-03	1.6410+00
51	473.94	4.4541+01	7.5681+00	2.2664-02	7.5681+00	2.2664-02	9.8375-03	2.8472-01	4.4779+05	5.7889-03	1.7720+00
52	453.67	4.6322+00	7.7641-01	2.2917-03	7.7641-01	2.2917-03	9.9471-04	2.8789-02	4.5278+04	5.8482-04	2.4660+00
53	441.01	5.3294+00	8.6221-01	2.5223-03	8.6221-01	2.5223-03	1.0948-03	3.1686-02	4.9835+04	6.4331-04	3.0090+00
54	438.38	4.4504+00	7.1006-01	2.0734-03	7.1006-01	2.0734-03	8.9996-04	2.6047-02	4.0965+04	5.2876-04	3.3930+00
55	440.26	3.6634+00	5.7459-01	1.6800-03	5.7459-01	1.6800-03	7.2921-04	2.1105-02	3.3193+04	4.2847-04	3.7770+00
56	451.07	2.0410+00	3.1354-01	9.2373-04	3.1354-01	9.2373-04	4.0096-04	1.1605-02	1.8251+04	2.3571-04	4.1100-01
57	447.87	4.1392+00	6.6072-01	1.9422-03	6.6072-01	1.9422-03	8.4303-04	2.4399-02	3.8374+04	4.9552-04	7.1100-01
58	441.76	7.2265+00	1.1768+00	3.4443-03	1.1768+00	3.4443-03	1.4950-03	4.3270-02	6.8053+04	8.7852-04	1.0880+00
59	446.20	1.3763+01	2.2547+00	6.6200-03	2.2547+00	6.6200-03	2.8735-03	8.3165-02	1.3080+05	1.6888-03	1.3070+00
60	484.02	5.7998+01	9.7754+00	2.9488-02	9.7754+00	2.9488-02	1.2800-02	3.7045-01	5.8263+05	7.5355-03	1.6410+00
61	441.89	4.0135+00	6.4778-01	1.8962-03	6.4778-01	1.8962-03	8.2304-04	2.3821-02	3.7464+04	4.8364-04	3.0090+00
62	437.75	3.6332+00	5.7943-01	1.6912-03	5.7943-01	1.6912-03	7.3407-04	2.1246-02	3.3414+04	4.3128-04	3.3930+00
63	443.38	3.3423+00	5.2537-01	1.5395-03	5.2537-01	1.5395-03	6.6821-04	1.9340-02	3.0416+04	3.9268-04	3.7770+00
64	441.34	7.6166+00	1.2659+00	3.7039-03	1.2659+00	3.7039-03	1.6077-03	4.6531-02	7.3182+04	9.4471-04	1.0880+00
65	446.19	1.4303+01	2.3851+00	7.0028-03	2.3851+00	7.0028-03	3.0397-03	8.7974-02	1.3836+05	1.7865-03	1.3070+00
66	482.45	5.8324+01	9.9658+00	3.0028-02	9.9658+00	3.0028-02	1.3034-02	3.7724-01	5.9330+05	7.6729-03	1.6410+00
69	446.94	2.3875+00	3.9834-01	1.1702-03	3.9834-01	1.1702-03	5.0792-04	1.4700-02	2.3120+04	2.9853-04	4.1100-01
70	442.50	4.3886+00	7.2995-01	2.1376-03	7.2995-01	2.1376-03	9.2784-04	2.6854-02	4.2234+04	5.4524-04	7.1100-01
71	455.51	1.3431+01	2.2474+00	6.6422-03	2.2474+00	6.6422-03	2.8831-03	8.3444-02	1.3124+05	1.6952-03	1.3070+00
72	488.44	5.7831+01	9.9205+00	3.0022-02	9.9205+00	3.0022-02	1.3032-02	3.7716-01	5.9318+05	7.6735-03	1.6410+00
73	456.97	3.6535+00	5.9042-01	1.7468-03	5.9042-01	1.7468-03	7.5820-04	2.1944-02	3.4512+04	4.4583-04	3.7770+00
74	472.21	1.8348+00	3.0412-01	9.0960-04	3.0412-01	9.0960-04	3.9482-04	1.1427-02	1.7972+04	2.3232-04	5.3230+00
77	441.16	5.0135+00	8.2581-01	2.4160-03	8.2581-01	2.4160-03	1.0487-03	3.0352-02	4.7736+04	6.1622-04	3.0090+00
78	439.12	4.1642+00	6.7686-01	1.9774-03	6.7686-01	1.9774-03	8.5833-04	2.4842-02	3.9070+04	5.0431-04	3.3930+00
79	443.48	3.2971+00	5.2793-01	1.5471-03	5.2793-01	1.5471-03	6.7152-04	1.9435-02	3.0567+04	3.9463-04	3.7770+00
80	459.06	1.1698+01	1.9736+00	5.8477-03	1.9736+00	5.8477-03	2.5382-03	7.3462-02	1.1554+05	1.4927-03	2.4660+00
81	440.82	5.2358+00	8.6224-01	2.5220-03	8.6224-01	2.5220-03	1.0947-03	3.1683-02	4.9829+04	6.4324-04	3.0090+00
82	438.71	3.6426+00	5.9368-01	1.7339-03	5.9368-01	1.7339-03	7.5263-04	2.1783-02	3.4259+04	4.4220-04	3.3930+00
83	439.31	3.6426+00	5.8863-01	1.7199-03	5.8863-01	1.7199-03	7.4653-04	2.1606-02	3.3981+04	4.3863-04	3.7770+00
337	494.20	1.6865+01	3.1842+00	9.6769-03	3.1842+00	9.6769-03	4.2003-03	1.2157-01	1.9119+05	2.4740-03	7.1680+00
339	482.23	1.4827+01	2.8368+00	8.5464-03	2.8368+00	8.5464-03	3.7096-03	1.0737-01	1.6886+05	2.1838-03	8.1130+00
340	469.70	3.7268+00	6.9237-01	2.0671-03	6.9237-01	2.0671-03	8.9725-04	2.5968-02	4.0842+04	5.2789-04	8.6180+00
342	488.47	1.5715+01	3.0506+00	9.2323-03	3.0506+00	9.2323-03	4.0074-03	1.1598-01	1.8241+05	2.3597-03	7.1680+00
344	481.32	1.6461+01	3.1640+00	9.5257-03	3.1640+00	9.5257-03	4.1347-03	1.1967-01	1.8821+05	2.4339-03	8.1130+00
347	489.06	1.4244+01	2.6802+00	8.1148-03	2.6802+00	8.1148-03	3.5223-03	1.0194-01	1.6033+05	2.0741-03	7.1680+00
349	482.22	1.6010+01	3.0712+00	9.2525-03	3.0712+00	9.2525-03	4.0162-03	1.1624-01	1.8281+05	2.3642-03	8.1130+00
350	468.59	4.0197+00	7.0446-01	2.1015-03	7.0446-01	2.1015-03	9.1219-04	2.6401-02	4.1522+04	5.3665-04	8.6180+00
352	499.79	1.6135+01	2.9838+00	9.1052-03	2.9838+00	9.1052-03	3.9522-03	1.1439-01	1.7990+05	2.3284-03	7.1680+00
354	490.60	1.6811+01	3.2340+00	9.8025-03	3.2340+00	9.8025-03	4.2549-03	1.2315-01	1.9368+05	2.5057-03	8.1130+00
357	502.48	1.3021+01	2.4055+00	7.3551-03	2.4055+00	7.3551-03	3.1926-03	9.2400-02	1.4532+05	1.8811-03	7.1680+00
359	492.96	1.7752+01	3.1970+00	9.7070-03	3.1970+00	9.7070-03	4.2134-03	1.2195-01	1.9179+05	2.4815-03	8.1130+00
401	454.31	5.0301+00	4.1681-01	1.2308-03	4.1681-01	1.2308-03	5.3424-04	1.5462-02	2.4318+04	3.1411-04	4.5500-01
403	456.15	5.4322+00	4.4535-01	1.3168-03	4.4535-01	1.3168-03	5.7158-04	1.6543-02	2.6017+04	3.3608-04	6.8600-01
404	1286.44	-4.8015+02	3.2805+01	4.4512-02	3.2805+01	4.4512-02	1.9321-02	5.5918-01	8.7946+05	1.0694-02	8.0100-01
405	466.26	9.8634+00	8.1417-01	2.4248-03	8.1417-01	2.4248-03	1.0525-03	3.0462-02	4.7908+04	6.1914-04	1.0510+00
406	469.95	1.4487+01	1.2059+00	3.6011-03	1.2059+00	3.6011-03	1.5631-03	4.5239-02	7.1150+04	9.1964-04	1.1670+00
407	477.47	1.7438+01	1.4849+00	4.4582-03	1.4849+00	4.4582-03	1.9351-03	5.6007-02	8.8085+04	1.1389-03	1.2830+00
408	456.67	7.1003+00	5.7534-01	1.7018-03	5.7534-01	1.7018-03	7.3868-04	2.1379-02	3.3624+04	4.3435-04	5.1300-01
409	455.59	8.2249+00	6.7809-01	2.0042-03	6.7809-01	2.0042-03	8.6993-04	2.5178-02	3.9598+04	5.1150-04	5.7000-01
410	456.03	7.8727+00	6.2606-01	1.8510-03	6.2606-01	1.8510-03	8.0344-04	2.3253-02	3.6571+04	4.7241-04	6.2800-01
411	458.22	9.6914+00	8.0042-01	2.3702-03	8.0042-01	2.3702-03	1.0288-03	2.9776-02	4.6830+04	6.0498-04	6.8600-01
412	466.78	7.2644+00	5.9985-01	1.7871-03	5.9985-01	1.7871-03	7.7573-04	2.2451-02	3.5310+04	4.5634-04	7.4400-01
413	461.52	1.0265+01	8.5478-01	2.5371-03	8.5478-01	2.5371-03	1.1013-03	3.1873-02	5.0128+04	6.4768-04	8.6100-01
414	460.66	9.4052+00	7.7343-01	2.2942-03	7.7343-01	2.2942-03	9.9584-04	2.8822-02	4.5330+04	5.8566-04	8.5900-01
415	463.39	1.0760+01	8.9178-01	2.6504-03	8.9178-01	2.6504-03	1.1505-03	3.3297-02	5.2367+04	6.7667-04	9.1700-01
416	456.87	8.0971+00	6.2041-01	1.8354-03	6.2041-01	1.8354-03	7.9666-04	2.3057-02	3.6263+04	4.6844-04	5.7000-01
417	466.18	1.3243+01	1.0931+00	3.2552-03	1.0931+00	3.2552-03	1.4129-03	4.0893-02	6.4315+04	8.3116-04	1.0520+00

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8.63634+01 1.59755-02 1.14785+00 4.61348+03 1.55198-05 6.99543-08 8.58684-02 7.72000+00 7.25452-06 7.44429-02

1	445.75	2.5896+00	4.3170-01	1.2676-03	4.3170-01	1.2676-03	5.5026-04	1.5925-02	2.5043+04	3.2320-04	4.1100-01
2	438.44	4.1101+00	6.8172-01	1.9915-03	6.8172-01	1.9915-03	8.6450-04	2.5019-02	3.9344+04	5.0761-04	7.1100-01
3	452.80	9.9948+00	1.6742+00	4.9408-03	1.6742+00	4.9408-03	2.1447-03	6.2069-02	9.7608+04	1.2601-03	1.3070+00
4	480.18	3.6451+01	6.2191+00	1.8716-02	6.2191+00	1.8716-02	8.1246-03	2.3513-01	3.6975+05	4.7792-03	1.6410+00
5	479.73	3.8503+01	6.8746+00	2.0683-02	6.8746+00	2.0683-02	8.9781-03	2.5983-01	4.0859+05	5.2812-03	1.7720+00
6	463.05	1.1722+01	1.9483+00	5.7916-03	1.9483+00	5.7916-03	2.5141-03	7.2757-02	1.1442+05	1.4778-03	2.4660+00
7	444.49	5.7621+00	9.4289-01	2.7662-03	9.4289-01	2.7662-03	1.2008-03	3.4751-02	5.4648+04	7.0525-04	3.0090+00
8	438.66	4.7008+00	7.5928-01	2.2184-03	7.5928-01	2.2184-03	9.6300-04	2.7869-02	4.3826+04	5.6545-04	3.3930+00
9	439.48	3.6940+00	5.9701-01	1.7453-03	5.9701-01	1.7453-03	7.5762-04	2.1926-02	3.4480+04	4.4487-04	3.7770+00
10	462.27	2.1434+00	3.5290-01	1.0485-03	3.5290-01	1.0485-03	4.5513-04	1.3172-02	2.0713+04	2.6752-04	5.3230+00
14	437.21	6.6790+00	1.1068+00	3.2306-03	1.1068+00	3.2306-03	1.4024-03	4.0585-02	6.3823+04	8.2340-04	1.0880+00
15	443.34	1.1857+01	1.9733+00	5.7844-03	1.9733+00	5.7844-03	2.5110-03	7.2668-02	1.1427+05	1.4747-03	1.3070+00
16	476.86	4.6338+01	7.8887+00	2.3684-02	7.8887+00	2.3684-02	1.0281-02	2.9754-01	4.6789+05	6.0469-03	1.6410+00
19	453.42	2.4509+00	3.7350-01	1.1027-03	3.7350-01	1.1027-03	4.7867-04	1.3853-02	2.1785+04	2.8125-04	4.1100-01
20	448.22	4.1371+00	6.5853-01	1.9371-03	6.5853-01	1.9371-03	8.4086-04	2.4335-02	3.8268+04	4.9394-04	7.1100-01
21	439.18	6.8514+00	1.1004+00	3.2163-03	1.1004+00	3.2163-03	1.3962-03	4.0405-02	6.3540+04	8.1982-04	1.0880+00
22	441.70	1.2327+01	1.9952+00	5.8421-03	1.9952+00	5.8421-03	2.5360-03	7.3392-02	1.1541+05	1.4893-03	1.3070+00
23	580.05	2.5975-02	4.5212-03	1.4670-05	4.5212-03	1.4670-05	6.3682-06	1.8430-04	2.8982+02	3.7633-06	1.6410+00
24	452.61	4.9730+00	8.1101-01	2.3930-03	8.1101-01	2.3930-03	1.0388-03	3.0062-02	4.7275+04	6.1032-04	3.0090+00
25	448.81	4.4551+00	7.0724-01	2.0812-03	7.0724-01	2.0812-03	9.0343-04	2.6146-02	4.1116+04	5.3071-04	3.3930+00
26	447.04	3.6530+00	5.8278-01	1.7128-03	5.8278-01	1.7128-03	7.4351-04	2.1517-02	3.3837+04	4.3673-04	3.7770+00
27	447.96	3.7725+00	6.0038-01	1.7657-03	6.0038-01	1.7657-03	7.6646-04	2.2182-02	3.4882+04	4.5023-04	7.1100-01
28	442.06	7.3922+00	1.1896+00	3.4841-03	1.1896+00	3.4841-03	1.5124-03	4.3770-02	6.8831+04	8.8820-04	1.0880+00
29	447.55	1.2845+01	2.1063+00	6.1927-03	2.1063+00	6.1927-03	2.6882-03	7.7797-02	1.2234+05	1.5791-03	1.3070+00
30	483.61	5.1489+01	8.6760+00	2.6176-02	8.6760+00	2.6176-02	1.1363-02	3.2884-01	5.1712+05	6.6850-03	1.6410+00
31	477.50	4.3368+01	7.3862+00	2.2186-02	7.3862+00	2.2186-02	9.6307-03	2.7871-01	4.3829+05	5.6645-03	1.7720+00
32	464.09	1.1857+01	1.9722+00	5.8670-03	1.9722+00	5.8670-03	2.5468-03	7.3706-02	1.1591+05	1.4971-03	2.4660+00
33	448.38	5.3101+00	8.7645-01	2.5784-03	8.7645-01	2.5784-03	1.1192-03	3.2391-02	5.0937+04	6.5747-04	3.0090+00
34	443.49	4.2992+00	6.9675-01	2.0426-03	6.9675-01	2.0426-03	8.8669-04	2.5661-02	4.0354+04	5.2075-04	3.3930+00
35	443.17	3.6608+00	5.6821-01	1.6655-03	5.6821-01	1.6655-03	7.2296-04	2.0923-02	3.2902+04	4.2459-04	3.7770+00
36	450.87	1.2122+01	1.9686+00	5.8016-03	1.9686+00	5.8016-03	2.5164-03	7.2883-02	1.1461+05	1.4795-03	1.3070+00
37	462.38	1.1340+01	1.9063+00	5.6642-03	1.9063+00	5.6642-03	2.4588-03	7.1157-02	1.1190+05	1.4452-03	2.4660+00
38	446.14	5.8706+00	9.5317-01	2.7996-03	9.5317-01	2.7996-03	1.2153-03	3.5171-02	5.5308+04	7.1382-04	3.0090+00
39	440.75	4.9543+00	7.9658-01	2.3308-03	7.9658-01	2.3308-03	1.0118-03	2.9281-02	4.6047+04	5.9415-04	3.3930+00
40	441.94	3.9787+00	6.3444-01	1.8580-03	6.3444-01	1.8580-03	8.0652-04	2.3341-02	3.6705+04	4.7364-04	3.7770+00
41	448.06	3.2473+00	5.0890-01	1.4967-03	5.0890-01	1.4967-03	6.4972-04	1.8803-02	2.9569+04	3.8166-04	4.1620+00
43	462.29	2.1403+00	3.5661-01	1.0595-03	3.5661-01	1.0595-03	4.5992-04	1.3310-02	2.0931+04	2.7033-04	5.3230+00
47	448.11	3.9481+00	6.3417-01	1.8652-03	6.3417-01	1.8652-03	8.0969-04	2.3432-02	3.6849+04	4.7562-04	7.1100-01
48	449.98	7.1865+00	1.1769+00	3.4662-03	1.1769+00	3.4662-03	1.5046-03	4.3544-02	6.8476+04	8.8392-04	1.0880+00
49	450.44	1.3305+01	2.1926+00	6.4597-03	2.1926+00	6.4597-03	2.8041-03	8.1151-02	1.2762+05	1.6473-03	1.3070+00
50	492.29	5.1750+01	8.8214+00	2.6783-02	8.8214+00	2.6783-02	1.1626-02	3.3647-01	5.2911+05	6.8428-03	1.6410+00
51	485.04	4.4015+01	7.5336+00	2.2753-02	7.5336+00	2.2753-02	9.8766-03	2.8583-01	4.4949+05	5.8111-03	1.7720+00
52	454.89	4.8275+00	8.0962-01	2.3934-03	8.0982-01	2.3934-03	1.0389-03	3.0067-02	4.7282+04	6.1047-04	2.4660+00
53	442.35	5.3917+00	8.7311-01	2.5576-03	8.7311-01	2.5576-03	1.1102-03	3.2131-02	5.0527+04	6.5201-04	3.0090+00
54	439.49	4.3366+00	6.9245-01	2.0243-03	6.9245-01	2.0243-03	8.7874-04	2.5431-02	3.9992+04	5.1600-04	3.3930+00
55	441.15	3.6571+00	5.7396-01	1.6799-03	5.7396-01	1.6799-03	7.2923-04	2.1104-02	3.3188+04	4.2823-04	3.7770+00
56	451.56	2.0348+00	3.1268-01	9.2192-04	3.1268-01	9.2192-04	4.0020-04	1.1582-02	1.8213+04	2.3512-04	4.1100-01
57	448.90	4.1413+00	6.6152-01	1.9468-03	6.6152-01	1.9468-03	8.4509-04	2.4457-02	3.8460+04	4.9644-04	7.1100-01
58	443.57	7.1480+00	1.1655+00	3.4170-03	1.1655+00	3.4170-03	1.4833-03	4.2926-02	6.7504+04	8.7113-04	1.0880+00
59	449.55	1.3386+01	2.1981+00	6.4717-03	2.1981+00	6.4717-03	2.8093-03	8.1302-02	1.2785+05	1.6503-03	1.3070+00
60	498.28	5.6450+01	9.6030+00	2.9284-02	9.6030+00	2.9284-02	1.2712-02	3.6789-01	5.7853+05	7.4839-03	1.6410+00
61	442.92	4.0540+00	6.5478-01	1.9188-03	6.5478-01	1.9188-03	8.3295-04	2.4106-02	3.7908+04	4.8918-04	3.0090+00
62	438.65	3.6681+00	5.8535-01	1.7103-03	5.8535-01	1.7103-03	7.4241-04	2.1485-02	3.3787+04	4.3592-04	3.3930+00
63	444.22	3.3512+00	5.2706-01	1.5460-03	5.2706-01	1.5460-03	6.7110-04	1.9422-02	3.0542+04	3.9415-04	3.7770+00
64	443.24	7.5730+00	1.2603+00	3.6940-03	1.2603+00	3.6940-03	1.6035-03	4.6407-02	7.2978+04	9.4175-04	1.0880+00
65	449.67	1.3762+01	2.3004+00	6.7735-03	2.3004+00	6.7735-03	2.9403-03	8.5093-02	1.3381+05	1.7273-03	1.3070+00
66	496.86	5.7065+01	9.8427+00	2.9984-02	9.8427+00	2.9984-02	1.3016-02	3.7668-01	5.9235+05	7.6621-03	1.6410+00
69	447.53	2.4062+00	4.0162-01	1.1808-03	4.0162-01	1.1808-03	5.1257-04	1.4834-02	2.3327+04	3.0109-04	4.1100-01
70	443.58	4.3636+00	7.2635-01	2.1296-03	7.2635-01	2.1296-03	9.2442-04	2.6753-02	4.2071+04	5.4291-04	7.1100-01
71	458.87	1.3465+01	2.2583+00	6.6933-03	2.2583+00	6.6933-03	2.9055-03	8.4085-02	1.3223+05	1.7075-03	1.3070+00
72	502.77	5.6681+01	9.8136+00	3.0025-02	9.8136+00	3.0025-02	1.3034-02	3.7720-01	5.9317+05	7.6748-03	1.6410+00
73	457.86	3.6218+00	5.8565-01	1.7345-03	5.8565-01	1.7345-03	7.5293-04	2.1790-02	3.4266+04	4.4247-04	3.7770+00
74	472.68	1.8312+00	3.0361-01	9.0878-04	3.0361-01	9.0878-04	3.9449-04	1.1417-02	1.7953+04	2.3198-04	5.3230+00
77	442.39	5.0587+00	8.3397-01	2.4431-03	8.3397-01	2.4431-03	1.0605-03	3.0691-02	4.8264+04	6.2280-04	3.0090+00
78	440.16	4.1423+00	6.7380-01	1.9708-03	6.7380-01	1.9708-03	8.5548-04	2.4758-02	3.8933+04	5.0235-04	3.3930+00
79	444.29	3.2795+00	5.2539-01	1.5412-03	5.2539-01	1.5412-03	6.6901-04	1.9361-02	3.0447+04	3.9292-04	3.7770+00
80	462.04	1.2039+01	2.0354+00	6.0461-03	2.0354+00	6.0461-03	2.6245-03	7.5955-02	1.1944+05	1.5426-03	2.4660+00
81	442.17	5.2748+00	8.6947-01	2.5466-03	8.6947-01	2.5466-03	1.1055-03	3.1993-02	5.0311+04	6.4921-04	3.0090+00
82	439.62	3.6249+00	5.9118-01	1.7284-03	5.9118-01	1.7284-03	7.5030-04	2.1714-02	3.4146+04	4.4058-04	3.3930+00
83	440.23	3.6369+00	5.8808-01	1.7201-03	5.8808-01	1.7201-03	7.4668-04	2.1609-02	3.3982+04	4.3847-04	3.7770+00
337	498.44	1.6913+01	3.2020+00	9.7655-03	3.2020+00	9.7655-03	4.2391-03	1.2268-01	1.9292+05	2.4957-03	7.1680+00
339	486.02	1.5131+01	2.9022+00	8.7712-03	2.9022+00	8.7712-03	3.8075-03	1.1019-01	1.7328+05	2.2403-03	8.1130+00
340	470.62	3.7688+00	7.0062-01	2.0940-03	7.0062-01	2.0940-03	9.0900-04	2.6307-02	4.1369+04	5.3449-04	8.6180+00
342	492.40	1.5684+01	3.0523+00	9.2681-03	3.0523+00	9.2681-03	4.0232-03	1.1643-01	1.8310+05	2.3679-03	7.1680+00
344	485.48	1.6497+01	3.1795+00	9.6056-03	3.1795+00	9.6056-03	4.1697-03	1.2067-01	1.8976+05	2.4534-03	8.1130+00
347	492.62	1.4208+01	2.6797+00	8.1378-03	2.6797+00	8.1378-03	3.5325-03	1.0223-01	1.6077+05	2.0792-03	7.1680+00
349	486.20	1.6088+01	3.0941+00	9.3526-03	3.0941+00	9.3526-03	4.0599-03	1.1749-01	1.8477+05	2.3888-03	8.1130+00
350	469.60	4.0031+00	7.0202-01	2.0967-03	7.0202-01	2.0967-03	9.1015-04	2.6340-02	4.1421+04	5.3514-04	8.6180+00
352	503.75	1.5974+01	2.9615+00	9.0676-03	2.9615+00	9.0676-03	3.9362-03	1.1391-01	1.7914+05	2.3179-03	7.1680+00
354	494.50	1.5999+01	3.0857+00	9.3838-03	3.0857+00	9.3838-03	4.0734-03	1.1789-01	1.8538+05	2.3977-03	8.1130+00
357	505.43	1.2204+01	2.2588+00	6.9247-03	2.2588+00	6.9247-03	3.0059-03	8.6992-02	1.3680+05	1.7702-03	7.1680+00
359	496.95	1.6423+01	2.9653+00	9.0339-03	2.9653+00	9.0339-03	3.9215-03	1.1349-01	1.7847+05	2.3086-03	8.1130+00
401	455.59	5.0000+00	4.1467-01	1.2261-03	4.1467-01	1.2261-03	5.3225-04	1.5403-02	2.4223+04	3.1276-04	4.5500-01
403	457.52	5.4852+00	4.5012-01	1.3328-03	4.5012-01	1.3328-03	5.7854-04	1.6743-02	2.6330+04	3.3999-04	6.8600-01
404	1411.03	-5.0392+02	4.1913+01	5.4872-02	4.1913+01	5.4872-02	2.3819-02	6.8934-01	1.0840+06	1.3129-02	8.0100-01
405	468.69	9.8473+00	8.1417-01	2.4300-03	8.1417-01	2.4300-03	1.0549-03	3.0528-02	4.8007+04	6.2020-04	1.0510+00
406	473.39	1.3841+01	1.1548+00	3.4585-03	1.1548+00	3.4585-03	1.5013-03	4.3448-02	6.8324+04	8.8286-04	1.1670+00
407	481.66	1.6876+01	1.4411+00	4.3415-03	1.4411+00	4.3415-03	1.8846-03	5.4541-02	8.5769+04	1.1087-03	1.2830+00
408	458.42	7.0260+00	5.6999-01	1.6888-03	5.6999-01	1.6888-03	7.3310-04	2.1216-02	3.3363+04	4.3083-04	5.1300-01
409	457.67	8.2364+00	6.7999-01	2.0136-03	6.7999-01	2.0136-03	8.7411-04	2.5297-02	3.9781+04	5.1368-04	5.7000-01
410	458.00	7.8270+00	6.2326-01	1.8461-03	6.2326-01	1.8461-03	8.0136-04	2.3191-02	3.6470+04	4.7093-04	6.2800-01
411	460.62	9.5299+00	7.8836-01	2.3394-03	7.8836-01	2.3394-03	1.0155-03	2.9390-02	4.6217+04	5.9687-04	6.8600-01
412	468.53	6.9382+00	5.7358-01	1.7118-03	5.7358-01	1.7118-03	7.4306-04	2.1504-02	3.3817+04	4.3688-04	7.4400-01
413	464.07	1.0160+01	8.4745-01	2.5210-03	8.4745-01	2.5210-03	1.0943-03	3.1671-02	4.9804+04	6.4329-04	8.0100-01
414	462.96	9.2094+00	7.5850-01	2.2546-03	7.5850-01	2.2546-03	9.7871-04	2.8324-02	4.4541+04	5.7529-04	8.5900-01
415	465.99	1.0367+01	8.6074-01	2.5641-03	8.6074-01	2.5641-03	1.1130-03	3.2212-02	5.0655+04	6.5433-04	9.1700-01
416	458.90	8.0655+00	6.1884-01	1.8341-03	6.1884-01	1.8341-03	7.9619-04	2.3042-02	3.6235+04	4.6791-04	5.7000-01
417	469.40	1.2969+01	1.0728+00	3.2036-03	1.0728+00	3.2036-03	1.3907-03	4.0246-02	6.3289+04	8.1766-04	1.0520+00

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8.63905+01 1.59747-02 1.14780+00 4.61420+03 1.55142-05 6.99763-08 8.58237-02 7.72000+00 7.25710-06 7.44398-02

1	446.37 2.5699+00	4.2859-01	1.2589-03	4.2859-01	1.2589-03	5.4658-04	1.5815-02	2.4861+04	3.2090-04	4.1100-01
2	439.47 4.0992+00	6.8040-01	1.9888-03	6.8040-01	1.9888-03	8.6350-04	2.4985-02	3.9276+04	5.0682-04	7.1100-01
3	455.27 1.0136+01	1.7007+00	5.0269-03	1.7007+00	5.0269-03	2.1826-03	6.3151-02	9.9274+04	1.2819-03	1.3070+00
4	489.28 3.6243+01	6.2205+00	1.8842-02	6.2205+00	1.8842-02	8.1809-03	2.3671-01	3.7210+05	4.8121-03	1.6410+00
5	489.30 3.7826+01	6.7961+00	2.0586-02	6.7961+00	2.0586-02	8.9380-03	2.5861-01	4.0654+05	5.2574-03	1.7720+00
6	466.02 1.1959+01	1.9918+00	5.9327-03	1.9918+00	5.9327-03	2.5758-03	7.4530-02	1.1716+05	1.5136-03	2.4660+00
7	445.91 5.7678+00	9.4475-01	2.7741-03	9.4475-01	2.7741-03	1.2044-03	3.4850-02	5.4784+04	7.0713-04	3.0090+00
8	439.83 4.6971+00	7.5931-01	2.2200-03	7.5931-01	2.2200-03	9.6389-04	2.7889-02	4.3842+04	5.6575-04	3.3930+00
9	440.42 3.7294+00	6.0311-01	1.7641-03	6.0311-01	1.7641-03	7.6592-04	2.2161-02	3.4838+04	4.4957-04	3.7770+00
10	462.79 2.1662+00	3.5679-01	1.0603-03	3.5679-01	1.0603-03	4.6035-04	1.3320-02	2.0939+04	2.7047-04	5.3230+00
14	438.90 6.6738+00	1.1073+00	3.2353-03	1.1073+00	3.2353-03	1.4047-03	4.0644-02	6.3892+04	8.2444-04	1.0880+00
15	446.30 1.1754+01	1.9601+00	5.7571-03	1.9601+00	5.7571-03	2.4996-03	7.2324-02	1.1369+05	1.4675-03	1.3070+00
16	488.39 4.5856+01	7.8659+00	2.3811-02	7.8659+00	2.3811-02	1.0338-02	2.9912-01	4.7022+05	6.0808-03	1.6410+00
19	454.01 2.4192+00	3.6882-01	1.0892-03	3.6882-01	1.0892-03	4.7290-04	1.3683-02	2.1510+04	2.7774-04	4.1100-01
20	449.23 4.0660+00	6.4765-01	1.9062-03	6.4765-01	1.9062-03	8.2761-04	2.3946-02	3.7644+04	4.8596-04	7.1100-01
21	440.87 6.7886+00	1.0916+00	3.1939-03	1.0916+00	3.1939-03	1.3867-03	4.0124-02	6.3074+04	8.1396-04	1.0880+00
22	444.75 1.2244+01	1.9860+00	5.8267-03	1.9860+00	5.8267-03	2.5298-03	7.3199-02	1.1507+05	1.4852-03	1.3070+00
23	580.06 1.1430-02	1.9895-03	6.4546-06	1.9895-03	6.4546-06	2.8025-06	8.1087-05	1.2747+02	1.6553-06	1.6410+00
24	453.89 5.1699+00	8.4385-01	2.4918-03	8.4385-01	2.4918-03	1.0819-03	3.1304-02	4.9210+04	6.3540-04	3.0090+00
25	449.89 4.3574+00	6.9226-01	2.0384-03	6.9226-01	2.0384-03	8.8503-04	2.5608-02	4.0255+04	5.1969-04	3.3930+00
26	447.95 3.6571+00	5.8381-01	1.7167-03	5.8381-01	1.7167-03	7.4535-04	2.1566-02	3.3902+04	4.3763-04	3.7770+00
27	448.90 3.6992+00	5.8910-01	1.7334-03	5.8910-01	1.7334-03	7.5262-04	2.1776-02	3.4233+04	4.4192-04	7.1100-01
28	443.90 7.3330+00	1.1816+00	3.4646-03	1.1816+00	3.4646-03	1.5043-03	4.3525-02	6.8422+04	8.8308-04	1.0880+00
29	450.73 1.2666+01	2.0815+00	6.1328-03	2.0815+00	6.1328-03	2.6628-03	7.7045-02	1.2111+05	1.5636-03	1.3070+00
30	496.38 5.0859+01	8.6413+00	2.6311-02	8.6413+00	2.6311-02	1.1424-02	3.3054-01	5.1960+05	6.7217-03	1.6410+00
31	488.24 4.2594+01	7.3057+00	2.2112-02	7.3057+00	2.2112-02	9.6007-03	2.7779-01	4.3668+05	5.6470-03	1.7720+00
32	467.13 1.2342+01	2.0571+00	6.1321-03	2.0571+00	6.1321-03	2.6624-03	7.7035-02	1.2110+05	1.5645-03	2.4660+00
33	449.74 5.2229+00	8.6285-01	2.5404-03	8.6285-01	2.5404-03	1.1030-03	3.1915-02	5.0170+04	6.4768-04	3.0090+00
34	444.55 4.3195+00	7.0055-01	2.0550-03	7.0055-01	2.0550-03	8.9226-04	2.5817-02	4.0584+04	5.2381-04	3.3930+00
35	444.07 3.6971+00	5.7422-01	1.6839-03	5.7422-01	1.6839-03	7.3111-04	2.1154-02	3.3254+04	4.2920-04	3.7770+00
36	453.86 1.1998+01	1.9525+00	5.7655-03	1.9525+00	5.7655-03	2.5033-03	7.2430-02	1.1386+05	1.4702-03	1.3070+00
37	465.27 1.1656+01	1.9633+00	5.8448-03	1.9633+00	5.8448-03	2.5377-03	7.3426-02	1.1543+05	1.4911-03	2.4660+00
38	447.60 5.9205+00	9.6223-01	2.8287-03	9.6223-01	2.8287-03	1.2282-03	3.5536-02	5.5863+04	7.2111-04	3.0090+00
39	441.99 4.8764+00	7.8472-01	2.2978-03	7.8472-01	2.2978-03	9.9766-04	2.8867-02	4.5378+04	5.8562-04	3.3930+00
40	442.91 3.9834+00	6.3562-01	1.8624-03	6.3562-01	1.8624-03	8.0862-04	2.3397-02	3.6780+04	4.7468-04	3.7770+00
41	448.85 3.2488+00	5.0942-01	1.4989-03	5.0942-01	1.4989-03	6.5080-04	1.8830-02	2.9601+04	3.8213-04	4.1620+00
43	462.82 2.1481+00	3.5804-01	1.0640-03	3.5804-01	1.0640-03	4.6197-04	1.3367-02	2.1013+04	2.7142-04	5.3230+00
47	449.11 4.0317+00	6.4804-01	1.9071-03	6.4804-01	1.9071-03	8.2804-04	2.3959-02	3.7663+04	4.8621-04	7.1100-01
48	451.70 6.8935+00	1.1303+00	3.3324-03	1.1303+00	3.3324-03	1.4468-03	4.1863-02	6.5809+04	8.4965-04	1.0880+00
49	453.72 1.3250+01	2.1884+00	6.4614-03	2.1884+00	6.4614-03	2.8054-03	8.1173-02	1.2760+05	1.6476-03	1.3070+00
50	505.20 5.1170+01	8.7954+00	2.6955-02	8.7954+00	2.6955-02	1.1703-02	3.3862-01	5.3232+05	6.8889-03	1.6410+00
51	495.97 4.3491+01	7.4971+00	2.2820-02	7.4971+00	2.2820-02	9.9081-03	2.8668-01	4.5067+05	5.8298-03	1.7720+00
52	456.10 4.9652+00	8.3360-01	2.4654-03	8.3360-01	2.4654-03	1.0704-03	3.0972-02	4.8689+04	6.2873-04	2.4660+00
53	443.70 5.3906+00	8.7376-01	2.5616-03	8.7376-01	2.5616-03	1.1122-03	3.2180-02	5.0588+04	6.5290-04	3.0090+00
54	440.56 4.3652+00	6.9753-01	2.0404-03	6.9753-01	2.0404-03	8.8591-04	2.5633-02	4.0295+04	5.2000-04	3.3930+00
55	442.07 3.5990+00	5.6519-01	1.6551-03	5.6519-01	1.6551-03	7.1861-04	2.0792-02	3.2686+04	4.2182-04	3.7770+00
56	452.03 1.9579+00	3.0096-01	8.8755-04	3.0096-01	8.8755-04	3.8535-04	1.1150-02	1.7528+04	2.2630-04	4.1100-01
57	449.93 4.1387+00	6.6158-01	1.9481-03	6.6158-01	1.9481-03	8.4583-04	2.4473-02	3.8472+04	4.9667-04	7.1100-01
58	445.33 6.9766+00	1.1389+00	3.3427-03	1.1389+00	3.3427-03	1.4513-03	4.1994-02	6.6014+04	8.5206-04	1.0880+00
59	452.84 1.3272+01	2.1842+00	6.4450-03	2.1842+00	6.4450-03	2.7983-03	8.0967-02	1.2728+05	1.6434-03	1.3070+00
60	512.26 5.5234+01	9.4803+00	2.9206-02	9.4803+00	2.9206-02	1.2681-02	3.6690-01	5.7677+05	7.4666-03	1.6410+00
61	443.93 4.0525+00	6.5499-01	1.9205-03	6.5499-01	1.9205-03	8.3386-04	2.4127-02	3.7928+04	4.8952-04	3.0090+00
62	439.59 3.7377+00	5.9685-01	1.7447-03	5.9685-01	1.7447-03	7.5753-04	2.1919-02	3.4456+04	4.4462-04	3.3930+00
63	445.07 3.3735+00	5.3089-01	1.5579-03	5.3089-01	1.5579-03	6.7641-04	1.9571-02	3.0766+04	3.9710-04	3.7770+00
64	445.09 7.4930+00	1.2485+00	3.6640-03	1.2485+00	3.6640-03	1.5908-03	4.6029-02	7.2358+04	9.3393-04	1.0880+00
65	453.05 1.3528+01	2.2665+00	6.6889-03	2.2665+00	6.6889-03	2.9042-03	8.4030-02	1.3210+05	1.7056-03	1.3070+00
66	511.01 5.5764+01	9.7056+00	2.9872-02	9.7056+00	2.9872-02	1.2970-02	3.7527-01	5.8993+05	7.6365-03	1.6410+00
69	448.14 2.4177+00	4.0370-01	1.1872-03	4.0370-01	1.1872-03	5.1547-04	1.4915-02	2.3446+04	3.0266-04	4.1100-01
70	444.67 4.3070+00	7.1746-01	2.1048-03	7.1746-01	2.1048-03	9.1387-04	2.6442-02	4.1567+04	5.3650-04	7.1100-01
71	462.22 1.3350+01	2.2440+00	6.6657-03	2.2440+00	6.6657-03	2.8941-03	8.3739-02	1.3164+05	1.7003-03	1.3070+00
72	516.82 5.5632+01	9.7181+00	3.0040-02	9.7181+00	3.0040-02	1.3043-02	3.7738-01	5.9325+05	7.6814-03	1.6410+00
73	458.77 3.6421+00	5.8929-01	1.7462-03	5.8929-01	1.7462-03	7.5815-04	2.1936-02	3.4484+04	4.4536-04	3.7770+00
74	473.14 1.8104+00	3.0025-01	8.9890-04	3.0025-01	8.9890-04	3.9029-04	1.1293-02	1.7752+04	2.2941-04	5.3230+00
77	443.67 5.1008+00	8.4165-01	2.4674-03	8.4165-01	2.4674-03	1.0713-03	3.0998-02	4.8728+04	6.2890-04	3.0090+00
78	441.19 4.1777+00	6.8003-01	1.9901-03	6.8003-01	1.9901-03	8.6408-04	2.5002-02	3.9303+04	5.0720-04	3.3930+00
79	445.11 3.3127+00	5.3102-01	1.5584-03	5.3102-01	1.5584-03	6.7660-04	1.9577-02	3.0775+04	3.9722-04	3.7770+00
80	465.09 1.2300+01	2.0837+00	6.2021-03	2.0837+00	6.2021-03	2.6928-03	7.7915-02	1.2248+05	1.5823-03	2.4660+00
81	443.48 5.2935+00	8.7334-01	2.5600-03	8.7334-01	2.5600-03	1.1115-03	3.2160-02	5.0556+04	6.5249-04	3.0090+00
82	440.53 3.6852+00	6.0139-01	1.7592-03	6.0139-01	1.7592-03	7.6379-04	2.2100-02	3.4741+04	4.4832-04	3.3930+00
83	441.16 3.7273+00	6.0308-01	1.7649-03	6.0308-01	1.7649-03	7.6629-04	2.2172-02	3.4855+04	4.4979-04	3.7770+00
337	502.65 1.7030+01	3.2328+00	9.8888-03	3.2328+00	9.8888-03	4.2935-03	1.2423-01	1.9529+05	2.5270-03	1.7680+00
339	489.84 1.5298+01	2.9416+00	8.9137-03	2.9416+00	8.9137-03	3.8702-03	1.1198-01	1.7603+05	2.2765-03	8.1130+00
340	471.59 3.8031+00	7.0745-01	2.1156-03	7.0745-01	2.1156-03	9.1855-04	2.6578-02	4.1780+04	5.3988-04	8.6180+00
342	496.31 1.5635+01	3.0506+00	9.2878-03	3.0506+00	9.2878-03	4.0326-03	1.1668-01	1.8342+05	2.3728-03	1.7680+00
344	489.58 1.6479+01	3.1846+00	9.6484-03	3.1846+00	9.6484-03	4.1891-03	1.2121-01	1.9054+05	2.4641-03	8.1130+00
347	496.12 1.4119+01	2.6691+00	8.1252-03	2.6691+00	8.1252-03	3.5278-03	1.0207-01	1.6046+05	2.0757-03	1.7680+00
349	490.25 1.6076+01	3.1001+00	9.3969-03	3.1001+00	9.3969-03	4.0800-03	1.1805-01	1.8558+05	2.4000-03	8.1130+00
350	470.58 4.0312+00	7.0740-01	2.1139-03	7.0740-01	2.1139-03	9.1782-04	2.6556-02	4.1747+04	5.3943-04	8.6180+00
352	507.74 1.5910+01	2.9573+00	9.0800-03	2.9573+00	9.0800-03	3.9424-03	1.1407-01	1.7932+05	2.3209-03	1.7680+00
354	498.49 1.5907+01	3.0758+00	9.3797-03	3.0758+00	9.3797-03	4.0725-03	1.1783-01	1.8524+05	2.3965-03	8.1130+00
357	508.46 1.2104+01	2.2447+00	6.8958-03	2.2447+00	6.8958-03	2.9940-03	8.6629-02	1.3618+05	1.7626-03	1.7680+00
359	501.02 1.6274+01	2.9461+00	9.0009-03	2.9461+00	9.0009-03	3.9080-03	1.1307-01	1.7775+05	2.2999-03	8.1130+00
401	456.83 4.9584+00	4.1157-01	1.2179-03	4.1157-01	1.2179-03	5.2877-04	1.5300-02	2.4051+04	3.1059-04	4.5500-01
403	458.89 5.4738+00	4.4960-01	1.3323-03	4.4960-01	1.3323-03	5.7848-04	1.6738-02	2.6312+04	3.3981-04	6.8600-01
404	1534.92-4.6383+02	4.5678+01	5.7782-02	4.5678+01	5.7782-02	2.5088-02	7.2590-01	1.1411+06	1.3771-02	8.0100-01
405	471.15 9.8992+00	8.1981-01	2.4508-03	8.1981-01	2.4508-03	1.0641-03	3.0789-02	4.8400+04	6.2542-04	1.0510+00
406	476.83 1.3561+01	1.1340+00	3.4041-03	1.1340+00	3.4041-03	1.4780-03	4.2764-02	6.7226+04	8.6889-04	1.1670+00
407	485.89 1.6814+01	1.4397+00	4.3502-03	1.4397+00	4.3502-03	1.8888-03	5.4650-02	8.5909+04	1.1108-03	1.2830+00
408	460.17 6.9413+00	5.6379-01	1.6723-03	5.6379-01	1.6723-03	7.2606-04	2.1008-02	3.3025+04	4.2653-04	5.1300-01
409	459.73 8.2140+00	6.7910-01	2.0137-03	6.7910-01	2.0137-03	8.7429-04	2.5297-02	3.9767+04	5.1360-04	5.7000-01
410	459.95 7.7268+00	6.1609-01	1.8271-03	6.1609-01	1.8271-03	7.9329-04	2.2953-02	3.6083+04	4.6602-04	6.2800-01
411	462.99 9.3132+00	7.7167-01	2.2935-03	7.7167-01	2.2935-03	9.9578-04	2.8812-02	4.5293+04	5.8506-04	6.8600-01
412	470.25 6.8021+00	5.6298-01	1.6820-03	5.6298-01	1.6820-03	7.3027-04	2.1130-02	3.3216+04	4.2919-04	7.4400-01
413	466.58 9.8628+00	8.2406-01	2.4555-03	8.2406-01	2.4555-03	1.0661-03	3.0847-02	4.8492+04	6.2648-04	8.0100-01
414	465.25 9.0436+00	7.4600-01	2.2208-03	7.4600-01	2.2208-03	9.6421-04	2.7899-02	4.3857+04	5.6656-04	8.5900-01
415	468.55 1.0144+01	8.4364-01	2.5174-03	8.4364-01	2.5174-03	1.0930-03	3.1625-02	4.9715+04	6.4233-04	9.1700-01
416	460.91 7.9984+00	6.1453-01	1.8237-03	6.1453-01	1.8237-03	7.9183-04	2.2911-02	3.6016+04	4.6518-04	5.7000-01
417	472.65 1.2687+01	1.0517+00	3.1475-03	1.0517+00	3.1475-03	1.3666-03	3.9541-02	6.2159+04	8.0325-04	1.0520+00

25 1 11.98 -.02 .00 -.00 402 11 3.15 10.13 764.3 1781.6

8.63724+01 1.59752-02 1.14784+00 4.61372+03 1.55179-05 6.99616-08 8.58535-02 7.72000+00 7.25538-06 7.44419-02

1	447.64	2.4535+00	4.0954-01	1.2047-03	4.0954-01	1.2047-03	5.2298-04	1.5134-02	2.3796+04	3.0701-04	4.1100-01
2	441.51	4.0338+00	6.7048-01	1.9637-03	6.7048-01	1.9637-03	8.5249-04	2.4670-02	3.8790+04	5.0032-04	7.1100-01
3	460.39	1.0123+01	1.7045+00	5.0595-03	1.7045+00	5.0595-03	2.1964-03	6.3561-02	9.9941+04	1.2901-03	1.3070+00
4	507.16	3.5092+01	6.0928+00	1.8710-02	6.0928+00	1.8710-02	8.1225-03	2.3505-01	3.6959+05	4.7807-03	1.6410+00
5	507.78	3.5928+01	6.5324+00	2.0069-02	6.5324+00	2.0069-02	8.7126-03	2.5213-01	3.9644+05	5.1281-03	1.7720+00
6	472.09	1.2277+01	2.0531+00	6.1454-03	2.0531+00	6.1454-03	2.6678-03	7.7203-02	1.2139+05	1.5678-03	2.4660+00
7	448.83	5.7823+00	9.4903-01	2.7940-03	9.4903-01	2.7940-03	1.2129-03	3.5100-02	5.5190+04	7.1207-04	3.0090+00
8	442.18	4.6883+00	7.5912-01	2.2244-03	7.5912-01	2.2244-03	9.6565-04	2.7944-02	4.3939+04	5.6674-04	3.3930+00
9	442.25	3.6665+00	5.9370-01	1.7397-03	5.9370-01	1.7397-03	7.5526-04	2.1856-02	3.4366+04	4.4326-04	3.7770+00
10	463.88	2.1657+00	3.5697-01	1.0622-03	3.5697-01	1.0622-03	4.6113-04	1.3344-02	2.0982+04	2.7089-04	5.3230+00
14	442.19	6.6623+00	1.1079+00	3.2465-03	1.1079+00	3.2465-03	1.4094-03	4.0784-02	6.4128+04	8.2716-04	1.0880+00
15	451.98	1.1101+01	1.8585+00	5.4836-03	1.8585+00	5.4836-03	2.3805-03	6.8888-02	1.0832+05	1.3977-03	1.3070+00
16	510.99	4.4320+01	7.7137+00	2.3755-02	7.7137+00	2.3755-02	1.0313-02	2.9843-01	4.6924+05	6.0708-03	1.6410+00
19	455.21	2.3174+00	3.5359-01	1.0457-03	3.5359-01	1.0457-03	4.5395-04	1.3136-02	2.0655+04	2.6657-04	4.1100-01
20	451.24	3.7449+00	5.9734-01	1.7616-03	5.9734-01	1.7616-03	7.6473-04	2.2130-02	3.4797+04	4.4900-04	7.1100-01
21	444.26	6.7616+00	1.0898+00	3.1980-03	1.0898+00	3.1980-03	1.3883-03	4.0176-02	6.3172+04	8.1489-04	1.0880+00
27	450.73	1.1711+01	1.9074+00	5.6228-03	1.9074+00	5.6228-03	2.4410-03	7.0638-02	1.1107+05	1.4331-03	1.3070+00
23	580.08	3.3766-02	5.8773-03	1.9080-05	5.8773-03	1.9080-05	8.2831-06	2.3970-04	3.7689+02	4.8915-06	1.6410+00
24	456.57	5.3096+00	8.6824-01	2.5702-03	8.6824-01	2.5702-03	1.1158-03	3.2288-02	5.0769+04	6.5525-04	3.0090+00
25	451.98	4.0494+00	6.4424-01	1.9009-03	6.4424-01	1.9009-03	8.2521-04	2.3880-02	3.7548+04	4.8452-04	3.3930+00
26	449.76	3.6218+00	5.7889-01	1.7054-03	5.7889-01	1.7054-03	7.4033-04	2.1424-02	3.3687+04	4.3465-04	3.7770+00
27	450.73	3.4135+00	5.4428-01	1.6045-03	5.4428-01	1.6045-03	6.9656-04	2.0157-02	3.1695+04	4.0896-04	7.1100-01
28	447.53	7.1190+00	1.1500+00	3.3825-03	1.1500+00	3.3825-03	1.4684-03	4.2493-02	6.6815+04	8.6201-04	1.0880+00
29	456.98	1.2683+01	2.0933+00	6.1983-03	2.0933+00	6.1983-03	2.6908-03	7.7867-02	1.2244+05	1.5802-03	1.3070+00
30	521.43	4.9028+01	8.4638+00	2.6269-02	8.4638+00	2.6269-02	1.1404-02	3.3000-01	5.1889+05	6.7163-03	1.6410+00
31	509.17	4.1128+01	7.1499+00	2.1989-02	7.1499+00	2.1989-02	9.5459-03	2.7624-01	4.3436+05	5.6190-03	1.7720+00
32	473.48	1.2951+01	2.1677+00	6.4951-03	2.1677+00	6.4951-03	2.8197-03	8.1596-02	1.2830+05	1.6571-03	2.4660+00
33	452.20	4.9325+00	8.1625-01	2.4088-03	8.1625-01	2.4088-03	1.0457-03	3.0261-02	4.7581+04	6.1399-04	3.0090+00
34	446.71	4.3792+00	7.1129-01	2.0909-03	7.1129-01	2.0909-03	9.0771-04	2.6268-02	4.1302+04	5.3284-04	3.3930+00
35	445.92	3.6779+00	5.7196-01	1.6804-03	5.7196-01	1.6804-03	7.2950-04	2.1110-02	3.3193+04	4.2821-04	3.7770+00
36	459.87	1.1948+01	1.9522+00	5.7925-03	1.9522+00	5.7925-03	2.5146-03	7.2769-02	1.1442+05	1.4770-03	1.3070+00
37	471.21	1.2129+01	2.0511+00	6.1356-03	2.0511+00	6.1356-03	2.6636-03	7.7080-02	1.2120+05	1.5652-03	2.4660+00
38	450.60	5.6909+00	9.2681-01	2.7320-03	9.2681-01	2.7320-03	1.1860-03	3.4321-02	5.3965+04	6.9632-04	3.0090+00
39	444.51	5.0488+00	8.1389-01	2.3888-03	8.1389-01	2.3888-03	1.0370-03	3.0010-02	4.7187+04	6.0870-04	3.3930+00
40	444.91	3.9221+00	6.2670-01	1.8399-03	6.2670-01	1.8399-03	7.9874-04	2.3114-02	3.6344+04	4.6883-04	3.7770+00
41	450.50	3.2249+00	5.0625-01	1.4922-03	5.0625-01	1.4922-03	6.4778-04	1.8746-02	2.9475+04	3.8032-04	4.1620+00
43	463.91	2.1423+00	3.5735-01	1.0634-03	3.5735-01	1.0634-03	4.6164-04	1.3359-02	2.1005+04	2.7119-04	5.3230+00
47	451.13	3.6275+00	5.8389-01	1.7218-03	5.8389-01	1.7218-03	7.4746-04	2.1630-02	3.4011+04	4.3885-04	7.1100-01
48	455.05	6.8935+00	1.1328+00	3.3499-03	1.1328+00	3.3499-03	1.4542-03	4.2083-02	6.6171+04	8.5397-04	1.0880+00
49	460.39	1.3429+01	2.2281+00	6.6137-03	2.2281+00	6.6137-03	2.8711-03	8.3085-02	1.3064+05	1.6864-03	1.3070+00
50	530.35	4.9490+01	8.6420+00	2.7002-02	8.6420+00	2.7002-02	1.1722-02	3.3922-01	5.3338+05	6.9066-03	1.6410+00
51	517.37	4.2095+01	7.3560+00	2.2761-02	7.3560+00	2.2761-02	9.8812-03	2.8594-01	4.4961+05	5.8185-03	1.7720+00
52	458.59	4.9652+00	8.3501-01	2.4754-03	8.3501-01	2.4754-03	1.0746-03	3.1097-02	4.8897+04	6.3114-04	2.4660+00
53	446.39	5.3990+00	8.7673-01	2.5767-03	8.7673-01	2.5767-03	1.1186-03	3.2370-02	5.0897+04	6.5661-04	3.0090+00
54	442.72	4.3060+00	6.8910-01	2.0200-03	6.8910-01	2.0200-03	8.7691-04	2.5376-02	3.9901+04	5.1468-04	3.3930+00
55	443.82	3.5096+00	5.5183-01	1.6188-03	5.5183-01	1.6188-03	7.0278-04	2.0337-02	3.1978+04	4.1249-04	3.7770+00
56	452.97	1.6774+00	2.5801-01	7.6181-04	2.5801-01	7.6181-04	3.3072-04	9.5704-03	1.5048+04	1.9419-04	4.1100-01
57	451.89	3.7387+00	5.9844-01	1.7656-03	5.9844-01	1.7656-03	7.6650-04	2.2181-02	3.4877+04	4.5005-04	7.1100-01
58	448.81	6.9205+00	1.1324+00	3.3339-03	1.1324+00	3.3339-03	1.4473-03	4.1882-02	6.5855+04	8.4966-04	1.0880+00
59	459.54	1.3563+01	2.2423+00	6.6517-03	2.2423+00	6.6517-03	2.8876-03	8.3563-02	1.3139+05	1.6960-03	1.3070+00
60	539.32	5.3394+01	9.3199+00	2.9319-02	9.3199+00	2.9319-02	1.2728-02	3.6832-01	5.7914+05	7.5021-03	1.6410+00
61	445.91	3.9745+00	6.4327-01	1.8899-03	6.4327-01	1.8899-03	8.2044-04	2.3742-02	3.7331+04	4.8159-04	3.0090+00
62	441.44	3.6888+00	5.8981-01	1.7274-03	5.8981-01	1.7274-03	7.4989-04	2.1701-02	3.4121+04	4.4010-04	3.3930+00
63	446.72	3.3018+00	5.2019-01	1.5292-03	5.2019-01	1.5292-03	6.6385-04	1.9211-02	3.0206+04	3.8969-04	3.7770+00
64	448.87	7.3340+00	1.2252+00	3.6072-03	1.2252+00	3.6072-03	1.5660-03	4.5316-02	7.1254+04	9.1933-04	1.0880+00
65	459.82	1.3770+01	2.3177+00	6.8769-03	2.3177+00	6.8769-03	2.9854-03	8.6392-02	1.3584+05	1.7535-03	1.3070+00
66	538.25	5.3822+01	9.5278+00	2.9948-02	9.5278+00	2.9948-02	1.3001-02	3.7623-01	5.9157+05	7.6628-03	1.6410+00
69	449.37	2.4670+00	4.1229-01	1.2142-03	4.1229-01	1.2142-03	5.2713-04	1.5254-02	2.3985+04	3.0947-04	4.1100-01
70	446.80	4.2364+00	7.0673-01	2.0776-03	7.0673-01	2.0776-03	9.0194-04	2.6100-02	4.1040+04	5.2945-04	7.1100-01
71	468.86	1.3181+01	2.2256+00	6.6464-03	2.2256+00	6.6464-03	2.8853-03	8.3496-02	1.3129+05	1.6954-03	1.3070+00
72	544.13	5.3721+01	9.5440+00	3.0134-02	9.5440+00	3.0134-02	1.3082-02	3.7856-01	5.9524+05	7.7124-03	1.6410+00
73	460.61	3.6748+00	5.9532-01	1.7674-03	5.9532-01	1.7674-03	7.6725-04	2.2203-02	3.4911+04	4.5066-04	3.7770+00
74	474.03	1.7896+00	2.9698-01	8.9019-04	2.9698-01	8.9019-04	3.8645-04	1.1183-02	1.7584+04	2.2712-04	5.3230+00
77	446.22	5.0530+00	8.3523-01	2.4544-03	8.3523-01	2.4544-03	1.0655-03	3.0834-02	4.8483+04	6.2546-04	3.0090+00
78	443.26	4.0862+00	6.6610-01	1.9533-03	6.6610-01	1.9533-03	8.4797-04	2.4539-02	3.8584+04	4.9770-04	3.3930+00
79	446.77	3.2457+00	5.2087-01	1.5312-03	5.2087-01	1.5312-03	6.6474-04	1.9236-02	3.0247+04	3.9021-04	3.7770+00
80	471.37	1.2759+01	2.1706+00	6.4939-03	2.1706+00	6.4939-03	2.8191-03	8.1581-02	1.2828+05	1.6567-03	2.4660+00
81	446.16	5.3683+00	8.8732-01	2.6073-03	8.8732-01	2.6073-03	1.1319-03	3.2755-02	5.1503+04	6.6443-04	3.0090+00
82	442.41	3.8634+00	6.3129-01	1.8501-03	6.3129-01	1.8501-03	8.0317-04	2.3242-02	3.6546+04	4.7139-04	3.3930+00
83	443.03	3.6675+00	5.9419-01	1.7421-03	5.9419-01	1.7421-03	7.5630-04	2.1886-02	3.4413+04	4.4389-04	3.7770+00
337	511.19	1.6911+01	3.2277+00	9.9417-03	3.2277+00	9.9417-03	4.3159-03	1.2489-01	1.9638+05	2.5407-03	7.1680+00
339	497.53	1.5421+01	2.9799+00	9.0863-03	2.9799+00	9.0863-03	3.9445-03	1.1415-01	1.7948+05	2.3207-03	8.1130+00
340	473.48	3.7896+00	7.0582-01	2.1148-03	7.0582-01	2.1148-03	9.1809-04	2.6568-02	4.1775+04	5.3956-04	8.6180+00
342	504.13	1.5682+01	3.0750+00	9.4217-03	3.0750+00	9.4217-03	4.0902-03	1.1836-01	1.8611+05	2.4070-03	7.1680+00
344	497.81	1.6382+01	3.1828+00	9.7067-03	3.1828+00	9.7067-03	4.2139-03	1.2194-01	1.9174+05	2.4791-03	8.1130+00
347	503.29	1.4430+01	2.7403+00	8.3910-03	2.7403+00	8.3910-03	3.6427-03	1.0541-01	1.6575+05	2.1436-03	7.1680+00
349	498.26	1.5901+01	3.0823+00	9.4033-03	3.0823+00	9.4033-03	4.0822-03	1.1813-01	1.8575+05	2.4017-03	8.1130+00
350	472.63	4.0795+00	7.1685-01	2.1466-03	7.1685-01	2.1466-03	9.3187-04	2.6967-02	4.2402+04	5.4764-04	8.6180+00
352	515.70	1.5789+01	2.9495+00	9.1153-03	2.9495+00	9.1153-03	3.9571-03	1.1451-01	1.8006+05	2.3300-03	7.1680+00
354	506.40	1.5771+01	3.0651+00	9.4072-03	3.0651+00	9.4072-03	4.0838-03	1.1818-01	1.8582+05	2.4036-03	8.1130+00
357	514.48	1.2064+01	2.2459+00	6.9345-03	2.2459+00	6.9345-03	3.0104-03	8.7116-02	1.3698+05	1.7724-03	7.1680+00
359	509.11	1.6145+01	2.9379+00	9.0349-03	2.9379+00	9.0349-03	3.9223-03	1.1350-01	1.7847+05	2.3087-03	8.1130+00
401	459.31	5.0213+00	4.1749-01	1.2383-03	4.1749-01	1.2383-03	5.3756-04	1.5556-02	2.4460+04	3.1573-04	4.5500-01
403	461.62	5.5481+00	4.5654-01	1.3563-03	4.5654-01	1.3563-03	5.8881-04	1.7039-02	2.6792+04	3.4586-04	6.8600-01
404	1739.07	-3.7672+02	4.7041+01	5.6420-02	4.7041+01	5.6420-02	2.4493-02	7.0879-01	1.1145+06	1.3361-02	8.0100-01
405	476.13	9.9361+00	8.2559-01	2.4784-03	8.2559-01	2.4784-03	1.0759-03	3.1136-02	4.8957+04	6.3240-04	1.0510+00
406	483.43	1.2870+01	1.0809+00	3.2621-03	1.0809+00	3.2621-03	1.4162-03	4.0981-02	6.4438+04	8.3264-04	1.1670+00
407	494.19	1.6356+01	1.4082+00	4.2832-03	1.4082+00	4.2832-03	1.8594-03	5.3808-02	8.4607+04	1.0938-03	1.2830+00
408	463.59	6.8670+00	5.5905-01	1.6632-03	5.5905-01	1.6632-03	7.2203-04	2.0894-02	3.2854+04	4.2415-04	5.1300-01
409	463.78	7.9917+00	6.6252-01	1.9713-03	6.6252-01	1.9713-03	8.5579-04	2.4765-02	3.8940+04	5.0274-04	5.7000-01
410	463.74	7.5158+00	6.0080-01	1.7876-03	6.0080-01	1.7876-03	7.7604-04	2.2457-02	3.5311+04	4.5589-04	6.2800-01
411	467.53	8.9938+00	7.4747-01	2.2301-03	7.4747-01	2.2301-03	9.6812-04	2.8016-02	4.4051+04	5.6881-04	6.8600-01
412	473.58	6.6078+00	5.4811-01	1.6424-03	5.4811-01	1.6424-03	7.1301-04	2.0633-02	3.2443+04	4.1904-04	7.4400-01
413	471.46	9.5257+00	7.9849-01	2.3890-03	7.9849-01	2.3890-03	1.0371-03	3.0012-02	4.7191+04	6.0946-04	8.0100-01
414	469.71	8.8348+00	7.3096-01	2.1842-03	7.3096-01	2.1842-03	9.4821-04	2.7440-02	4.3145+04	5.5717-04	8.5900-01
415	473.52	9.8675+00	8.2338-01	2.4671-03	8.2338-01	2.4671-03	1.0710-03	3.0994-02	4.8734+04	6.2945-04	9.1700-01
416	464.84	7.8410+00	6.0403-01	1.7987-03	6.0403-01	1.7987-03	7.8083-04	2.2596-02	3.5529+04	4.5872-04	5.7000-01
417	478.92	1.2092+01	1.0066+00	3.0280-03	1.0066+00	3.0280-03	1.3145-03	3.8039-02	5.9812+04	7.7272-04	1.0520+00

29 1 11.99 -.01 .00 -.00 402 11 1.90 10.13 753.4 1795.0

8.70925+01 1.57348-02 1.13034+00 4.63244+03 1.51581-05 7.05449-08 8.35066-02 7.72000+00 7.32379-06 7.43614-02

1	441.34	2.9184+00	4.8504-01	1.4046-03	4.8504-01	1.4046-03	6.2170-04	1.7882-02	2.7485+04	3.5831-04	4.1100-01
2	436.06	4.4161+00	7.3125-01	2.1098-03	7.3125-01	2.1098-03	9.3386-04	2.6861-02	4.1286+04	5.3810-04	7.1100-01
3	446.89	1.3401+01	2.2358+00	6.4994-03	2.2358+00	6.4994-03	2.8768-03	8.2748-02	1.2718+05	1.6584-03	1.3070+00
4	468.48	4.3494+01	7.3634+00	2.1733-02	7.3634+00	2.1733-02	9.6198-03	2.7670-01	4.2529+05	5.5509-03	1.6410+00
5	477.08	4.0794+01	7.2709+00	2.1592-02	7.2709+00	2.1592-02	9.5573-03	2.7490-01	4.2253+05	5.5169-03	1.7720+00
6	505.04	1.0346+01	1.7676+00	5.3564-03	1.7676+00	5.3564-03	2.3709-03	6.8196-02	1.0482+05	1.3703-03	2.4660+00
7	475.22	5.3132+00	8.8771-01	2.6327-03	8.8771-01	2.6327-03	1.1653-03	3.3519-02	5.1519+04	6.7262-04	3.0090+00
8	457.43	4.5590+00	7.4593-01	2.1845-03	7.4593-01	2.1845-03	9.6693-04	2.7812-02	4.2748+04	5.5767-04	3.3930+00
9	448.58	3.7325+00	6.0702-01	1.7667-03	6.0702-01	1.7667-03	7.8200-04	2.2493-02	3.4572+04	4.5084-04	3.7770+00
10	464.75	2.1408+00	3.5306-01	1.0393-03	3.5306-01	1.0393-03	4.6004-04	1.3232-02	2.0338+04	2.6541-04	5.3230+00
14	433.65	7.9216+00	1.3095+00	3.7719-03	1.3095+00	3.7719-03	1.6696-03	4.8022-02	7.3811+04	9.6192-04	1.0880+00
15	436.45	1.4785+01	2.4489+00	7.0674-03	2.4489+00	7.0674-03	3.1282-03	8.9980-02	1.3830+05	1.8026-03	1.3070+00
16	460.42	5.1771+01	8.7173+00	2.5583-02	8.7173+00	2.5583-02	1.1324-02	3.2572-01	5.0063+05	6.5319-03	1.6410+00
19	446.95	2.4790+00	3.7611-01	1.0934-03	3.7611-01	1.0934-03	4.8397-04	1.3921-02	2.1396+04	2.7900-04	4.1100-01
20	443.39	4.3943+00	6.9714-01	2.0217-03	6.9714-01	2.0217-03	8.9485-04	2.5739-02	3.9561+04	5.1579-04	7.1100-01
21	434.62	8.3075+00	1.3300+00	3.8336-03	1.3300+00	3.8336-03	1.6969-03	4.8808-02	7.5019+04	9.7770-04	1.0880+00
22	433.76	1.5275+01	2.4588+00	7.0829-03	2.4588+00	7.0829-03	3.1351-03	9.0177-02	1.3860+05	1.8063-03	1.3070+00
23	618.96	2.8571-02	5.0838-03	1.6808-05	5.0838-03	1.6808-05	7.4396-06	2.1399-04	3.2890+02	4.3229-06	1.6410+00
24	467.18	5.2914+00	8.7149-01	2.5698-03	8.7149-01	2.5698-03	1.1375-03	3.2719-02	5.0289+04	6.5633-04	3.0090+00
25	456.36	4.5657+00	7.2856-01	2.1320-03	7.2856-01	2.1320-03	9.4371-04	2.7145-02	4.1721+04	5.4426-04	3.3930+00
26	451.28	3.4270+00	5.4832-01	1.5989-03	5.4832-01	1.5989-03	7.0771-04	2.0356-02	3.1288+04	4.0806-04	3.7770+00
27	442.11	4.1169+00	6.5255-01	1.8907-03	6.5255-01	1.8907-03	8.3687-04	2.4071-02	3.6998+04	4.8234-04	7.1100-01
28	435.62	8.5881+00	1.3759+00	3.9686-03	1.3759+00	3.9686-03	1.7566-03	5.0527-02	7.7661+04	1.0122-03	1.0880+00
29	437.12	1.3935+01	2.2686+00	6.5502-03	2.2686+00	6.5502-03	2.8993-03	8.3395-02	1.2818+05	1.6707-03	1.3070+00
30	464.86	5.5608+01	9.2541+00	2.7244-02	9.2541+00	2.7244-02	1.2059-02	3.4686-01	5.3313+05	6.9573-03	1.6410+00
31	472.64	4.3344+01	7.3583+00	2.1783-02	7.3583+00	2.1783-02	9.6417-03	2.7733-01	4.2626+05	5.5646-03	1.7720+00
32	502.77	1.0168+01	1.7347+00	5.2478-03	1.7347+00	5.2478-03	2.3229-03	6.6814-02	1.0269+05	1.3424-03	2.4660+00
33	464.85	5.0961+00	8.5059-01	2.5041-03	8.5059-01	2.5041-03	1.1084-03	3.1881-02	4.9002+04	6.3947-04	3.0090+00
34	448.55	4.3382+00	7.0552-01	2.0533-03	7.0552-01	2.0533-03	9.0887-04	2.6142-02	4.0181+04	5.2399-04	3.3930+00
35	443.48	3.7813+00	5.8705-01	1.7025-03	5.8705-01	1.7025-03	7.5358-04	2.1676-02	3.3316+04	4.3436-04	3.7770+00
36	440.85	1.3807+01	2.2268+00	6.4461-03	2.2268+00	6.4461-03	2.8533-03	8.2070-02	1.2614+05	1.6444-03	1.3070+00
37	503.12	9.8312+00	1.6975+00	5.1368-03	1.6975+00	5.1368-03	2.2737-03	6.5400-02	1.0052+05	1.3140-03	2.4660+00
38	462.73	5.6145+00	9.2194-01	2.7101-03	9.2194-01	2.7101-03	1.1996-03	3.4504-02	5.3033+04	6.9201-04	3.0090+00
39	444.11	5.1413+00	8.2857-01	2.4040-03	8.2857-01	2.4040-03	1.0641-03	3.0607-02	4.7043+04	6.1335-04	3.3930+00
40	440.31	4.0442+00	6.4415-01	1.8640-03	6.4415-01	1.8640-03	8.2507-04	2.3732-02	3.6476+04	4.7550-04	3.7770+00
41	446.24	3.3766+00	5.2851-01	1.5357-03	5.2851-01	1.5357-03	6.7974-04	1.9552-02	3.0052+04	3.9185-04	4.1620+00
43	460.68	2.1008+00	3.4966-01	1.0263-03	3.4966-01	1.0263-03	4.5429-04	1.3067-02	2.0084+04	2.6205-04	5.3230+00
47	443.45	4.2982+00	6.8820-01	1.9958-03	6.8820-01	1.9958-03	8.8340-04	2.5410-02	3.9055+04	5.0919-04	7.1100-01
48	431.97	7.2223+00	1.1681+00	3.3607-03	1.1681+00	3.3607-03	1.4876-03	4.2788-02	6.5765+04	8.5700-04	1.0880+00
49	441.58	1.6167+01	2.6480+00	7.6694-03	2.6480+00	7.6694-03	3.3947-03	9.7645-02	1.5008+05	1.9566-03	1.3070+00
50	474.87	5.5057+01	9.2785+00	2.7511-02	9.2785+00	2.7511-02	1.2177-02	3.5026-01	5.3835+05	7.0285-03	1.6410+00
51	481.33	4.4309+01	7.5656+00	2.2536-02	7.5656+00	2.2536-02	9.9749-03	2.8692-01	4.4099+05	5.7591-03	1.7720+00
52	489.26	4.5974+00	7.8907-01	2.3638-03	7.8907-01	2.3638-03	1.0463-03	3.0096-02	4.6257+04	6.0431-04	2.4660+00
53	456.77	5.3158+00	8.6938-01	2.5449-03	8.6938-01	2.5449-03	1.1264-03	3.2400-02	4.9800+04	6.4965-04	3.0090+00
54	442.94	4.5548+00	7.2903-01	2.1135-03	7.2903-01	2.1135-03	9.3548-04	2.6908-02	4.1358+04	5.3920-04	3.3930+00
55	441.41	3.9242+00	6.1598-01	1.7838-03	6.1598-01	1.7838-03	7.8958-04	2.2711-02	3.4907+04	4.5507-04	3.7770+00
56	448.44	2.3060+00	3.5360-01	1.0290-03	3.5360-01	1.0290-03	4.5548-04	1.3101-02	2.0137+04	2.6259-04	4.1100-01
57	443.71	4.1730+00	6.6421-01	1.9266-03	6.6421-01	1.9266-03	8.5276-04	2.4529-02	3.7701+04	4.9153-04	7.1100-01
58	439.65	7.5210+00	1.2230+00	3.5373-03	1.2230+00	3.5373-03	1.5657-03	4.5036-02	6.9220+04	9.0232-04	1.0880+00
59	442.98	1.4348+01	2.3454+00	6.7996-03	2.3454+00	6.7996-03	3.0097-03	8.6571-02	1.3306+05	1.7348-03	1.3070+00
60	474.47	5.8929+01	9.8699+00	2.9256-02	9.8699+00	2.9256-02	1.2950-02	3.7248-01	5.7250+05	7.4742-03	1.6410+00
61	449.02	4.1060+00	6.6597-01	1.9389-03	6.6597-01	1.9389-03	8.5820-04	2.4685-02	3.7941+04	4.9478-04	3.0090+00
62	437.80	3.7745+00	6.0199-01	1.7389-03	6.0199-01	1.7389-03	7.6971-04	2.2140-02	3.4029+04	4.4355-04	3.3930+00
63	439.90	3.5247+00	5.5269-01	1.5989-03	5.5269-01	1.5989-03	7.0772-04	2.0357-02	3.1288+04	4.0786-04	3.7770+00
64	436.14	7.8795+00	1.3048+00	3.7649-03	1.3048+00	3.7649-03	1.6664-03	4.7933-02	7.3674+04	9.6023-04	1.0880+00
65	438.72	1.4830+01	2.4602+00	7.1112-03	2.4602+00	7.1112-03	3.1476-03	9.0538-02	1.3916+05	1.8139-03	1.3070+00
66	470.64	5.8763+01	9.9628+00	2.9451-02	9.9628+00	2.9451-02	1.3036-02	3.7496-01	5.7631+05	7.5227-03	1.6410+00
69	443.50	2.5787+00	4.2921-01	1.2448-03	4.2921-01	1.2448-03	5.5098-04	1.5848-02	2.4359+04	3.1758-04	4.1100-01
70	439.84	4.5387+00	7.5353-01	2.1798-03	7.5353-01	2.1798-03	9.6484-04	2.7752-02	4.2656+04	5.5605-04	7.1100-01
71	446.22	1.4123+01	2.3482+00	6.8230-03	2.3482+00	6.8230-03	3.0201-03	8.6868-02	1.3352+05	1.7410-03	1.3070+00
72	473.37	5.7962+01	9.8448+00	2.9159-02	9.8448+00	2.9159-02	1.2906-02	3.7124-01	5.7060+05	7.4490-03	1.6410+00
73	450.82	3.7491+00	6.0333-01	1.7587-03	6.0333-01	1.7587-03	7.7846-04	2.2392-02	3.4416+04	4.4885-04	3.7770+00
74	468.81	2.2665+00	3.7482-01	1.1065-03	3.7482-01	1.1065-03	4.8979-04	1.4088-02	2.1654+04	2.8263-04	5.3230+00
77	462.83	4.9387+00	8.2563-01	2.4272-03	8.2563-01	2.4272-03	1.0743-03	3.0902-02	4.7496+04	6.1977-04	3.0090+00
78	449.97	4.1153+00	6.7395-01	1.9634-03	6.7395-01	1.9634-03	8.6907-04	2.4998-02	3.8422+04	5.0107-04	3.3930+00
79	446.49	3.3751+00	5.4153-01	1.5738-03	5.4153-01	1.5738-03	6.9660-04	2.0037-02	3.0797+04	4.0157-04	3.7770+00
80	506.43	1.0554+01	1.8369+00	5.5718-03	1.8369+00	5.5718-03	2.4663-03	7.0939-02	1.0903+05	1.4255-03	2.4660+00
81	471.85	4.8821+00	8.2111-01	2.4293-03	8.2111-01	2.4293-03	1.0753-03	3.0930-02	4.7539+04	6.2057-04	3.0090+00
82	455.25	4.1335+00	6.8140-01	1.9925-03	6.8140-01	1.9925-03	8.8194-04	2.5368-02	3.8990+04	5.0861-04	3.3930+00
83	447.42	3.6665+00	5.9582-01	1.7327-03	5.9582-01	1.7327-03	7.6695-04	2.2060-02	3.3907+04	4.4214-04	3.7770+00
337	536.72	1.5931+01	3.0894+00	9.5833-03	3.0894+00	9.5833-03	4.2419-03	1.2201-01	1.8753+05	2.4552-03	7.1680+00
339	542.69	1.3003+01	2.5847+00	8.0539-03	2.5847+00	8.0539-03	3.5649-03	1.0254-01	1.5760+05	2.0639-03	8.1130+00
340	495.22	3.7231+00	7.0339-01	2.1163-03	7.0339-01	2.1163-03	9.3672-04	2.6944-02	4.1413+04	5.4116-04	8.6180+00
342	537.63	1.4417+01	2.8868+00	8.9610-03	2.8868+00	8.9610-03	3.9664-03	1.1409-01	1.7536+05	2.2959-03	7.1680+00
344	533.41	1.5050+01	2.9963+00	9.2530-03	2.9963+00	9.2530-03	4.0957-03	1.1781-01	1.8107+05	2.3702-03	8.1130+00
347	510.28	1.4029+01	2.6761+00	8.1403-03	2.6761+00	8.1403-03	3.6032-03	1.0364-01	1.5930+05	2.0830-03	7.1680+00
349	505.04	1.5965+01	3.1080+00	9.4180-03	3.1080+00	9.4180-03	4.1687-03	1.1991-01	1.8430+05	2.4094-03	8.1130+00
350	474.69	4.3345+00	7.6272-01	2.2612-03	7.6272-01	2.2612-03	1.0009-03	2.8788-02	4.4248+04	5.7769-04	8.6180+00
352	500.79	2.0099+01	3.7193+00	1.1236-02	3.7193+00	1.1236-02	4.9732-03	1.4305-01	2.1986+05	2.8738-03	7.1680+00
354	494.80	1.9751+01	3.8100+00	1.1460-02	3.8100+00	1.1460-02	5.0724-03	1.4590-01	2.2425+05	2.9303-03	8.1130+00
357	506.29	1.8415+01	3.4104+00	1.0344-02	3.4104+00	1.0344-02	4.5785-03	1.3169-01	2.0242+05	2.6464-03	7.1680+00
359	500.31	2.1769+01	3.9392+00	1.1896-02	3.9392+00	1.1896-02	5.2654-03	1.5145-01	2.3278+05	3.0426-03	8.1130+00
401	452.49	4.9618+00	4.0898-01	1.1936-03	4.0898-01	1.1936-03	5.2831-04	1.5196-02	2.3357+04	3.0464-04	4.5500-01
403	454.92	5.4530+00	4.4668-01	1.3058-03	4.4668-01	1.3058-03	5.7800-04	1.6625-02	2.5553+04	3.3332-04	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.3475-06	-5.6975-03	-4.3475-06	-1.9243-06	-5.5351-05	-8.5075+01	-9.5723-07	8.0100-01
405	460.84	1.0479+01	8.6184-01	2.5300-03	8.6184-01	2.5300-03	1.1199-03	3.2212-02	4.9510+04	6.4598-04	1.0510+00
406	463.83	1.6584+01	1.3749+00	4.0446-03	1.3749+00	4.0446-03	1.7903-03	5.1495-02	7.9148+04	1.0328-03	1.1670+00
407	470.29	1.9906+01	1.6871+00	4.9859-03	1.6871+00	4.9859-03	2.2069-03	6.3479-02	9.7567+04	1.2736-03	1.2830+00
408	455.22	7.2660+00	5.8819-01	1.7199-03	5.8819-01	1.7199-03	7.6127-04	2.1897-02	3.3656+04	4.3902-04	5.1300-01
409	453.77	8.2779+00	6.8161-01	1.9910-03	6.8161-01	1.9910-03	8.8129-04	2.5349-02	3.8962+04	5.0820-04	5.7000-01
410	456.90	8.1262+00	6.4660-01	1.8929-03	6.4660-01	1.8929-03	8.3786-04	2.4100-02	3.7042+04	4.8322-04	6.2800-01
411	458.39	9.9018+00	8.1789-01	2.3969-03	8.1789-01	2.3969-03	1.0609-03	3.0516-02	4.6904+04	6.1192-04	6.8600-01
412	461.20	7.7143+00	6.3461-01	1.8635-03	6.3461-01	1.8635-03	8.2482-04	2.3725-02	3.6465+04	4.7580-04	7.4400-01
413	458.22	1.1106+01	9.2275-01	2.7038-03	9.2275-01	2.7038-03	1.1968-03	3.4424-02	5.2911+04	6.9028-04	8.0100-01
414	458.77	1.0099+01	8.2944-01	2.4314-03	8.2944-01	2.4314-03	1.0762-03	3.0956-02	4.7579+04	6.2074-04	8.5900-01
415	461.97	1.1623+01	9.6238-01	2.8274-03	9.6238-01	2.8274-03	1.2515-03	3.5998-02	5.5329+04	7.2195-04	9.1700-01
416	460.46	8.3574+00	6.4191-01	1.8839-03	6.4191-01	1.8839-03	8.3387-04	2.3985-02	3.6865+04	4.8100-04	9.7000-01
417	464.22	1.4371+01	1.1846+00	3.4859-03	1.1846+00	3.4859-03	1.5430-03	4.4381-02	6.8215+04	8.9017-04	1.0520+00

CONFIDENTIAL

29 1 11.99 -.01 .00 -.00 402 11 2.15 10.13 753.4 1795.0

8.70925+01 1.57348-02 1.13034+00 4.63244+03 1.51581-05 7.05449-08 8.35066-02 7.72000+00 7.32379-06 7.43614-02

1	442.02	2.7875+00	4.6350-01	1.3428-03	4.6350-01	1.3428-03	5.9438-04	1.7097-02	2.6278+04	3.4258-04	4.1100-01
2	437.07	4.1829+00	6.9312-01	2.0012-03	6.9312-01	2.0012-03	8.8578-04	2.5478-02	3.9160+04	5.1042-04	7.1100-01
3	449.21	1.0480+01	1.7512+00	5.0991-03	1.7512+00	5.0991-03	2.2570-03	6.4920-02	9.9783+04	1.3013-03	1.3070+00
4	478.73	3.9768+01	6.7766+00	2.0154-02	6.7786+00	2.0154-02	8.9207-03	2.5659-01	3.9438+05	5.1499-03	1.6410+00
5	487.33	3.9768+01	7.1359+00	2.1348-02	7.1359+00	2.1348-02	9.4492-03	2.7179-01	4.1775+05	5.4570-03	1.7720+00
6	507.74	1.0817+01	1.8513+00	5.6210-03	1.8513+00	5.6210-03	2.4880-03	7.1565-02	1.1000+05	1.4382-03	2.4660+00
7	476.59	5.4826+00	9.1683-01	2.7217-03	9.1683-01	2.7217-03	1.2047-03	3.4652-02	5.3261+04	6.9541-04	3.0090+00
8	458.57	4.5408+00	7.4353-01	2.1792-03	7.4353-01	2.1792-03	9.6460-04	2.7745-02	4.2645+04	5.5636-04	3.3930+00
9	449.50	3.6717+00	5.9751-01	1.7401-03	5.9751-01	1.7401-03	7.7024-04	2.2155-02	3.4052+04	4.4408-04	3.7770+00
10	465.30	2.1371+00	3.5259-01	1.0383-03	3.5259-01	1.0383-03	4.5960-04	1.3220-02	2.0319+04	2.6517-04	5.3230+00
14	435.28	6.9569+00	1.1513+00	3.3201-03	1.1513+00	3.3201-03	1.4696-03	4.2270-02	6.4970+04	8.4675-04	1.0880+00
15	439.20	1.2252+01	2.0333+00	5.8793-03	2.0333+00	5.8793-03	2.6023-03	7.4853-02	1.1505+05	1.4997-03	1.3070+00
16	472.95	4.9168+01	8.3488+00	2.4720-02	8.3488+00	2.4720-02	1.0942-02	3.1473-01	4.8374+05	6.3151-03	1.6410+00
19	447.56	2.5262+00	3.8344-01	1.1152-03	3.8344-01	1.1152-03	4.9361-04	1.4198-02	2.1823+04	2.8457-04	4.1100-01
20	444.38	4.1532+00	6.5935-01	1.9134-03	6.5935-01	1.9134-03	8.4692-04	2.4360-02	3.7442+04	4.8818-04	7.1100-01
21	436.22	7.0400+00	1.1284+00	3.2559-03	1.1284+00	3.2559-03	1.4412-03	4.1454-02	6.3715+04	8.3043-04	1.0880+00
22	436.62	1.2726+01	2.0526+00	5.9244-03	2.0526+00	5.9244-03	2.6223-03	7.5428-02	1.1593+05	1.5111-03	1.3070+00
23	618.93	-1.0387-02	-1.8482-03	-6.1100-06	-1.8482-03	-6.1100-06	-2.7045-06	-7.7791-05	-1.1957+02	-1.5715-06	1.6410+00
24	468.51	5.2748+00	8.6952-01	2.5665-03	8.6952-01	2.5665-03	1.1360-03	3.2676-02	5.0223+04	6.5551-04	3.0090+00
25	457.52	4.5039+00	7.1926-01	2.1065-03	7.1926-01	2.1065-03	9.3242-04	2.6820-02	4.1222+04	5.3778-04	3.3930+00
26	452.07	3.3096+00	5.2982-01	1.5458-03	5.2982-01	1.5458-03	6.8421-04	1.9681-02	3.0249+04	3.9453-04	3.7770+00
27	443.03	3.8400+00	6.0905-01	1.7658-03	6.0905-01	1.7658-03	7.8158-04	2.2481-02	3.4554+04	4.5049-04	7.1100-01
28	437.30	7.4431+00	1.1939+00	3.4475-03	1.1939+00	3.4475-03	1.5260-03	4.3893-02	6.7464+04	8.7934-04	1.0880+00
29	440.54	1.3561+01	2.2130+00	6.4049-03	2.2130+00	6.4049-03	2.8350-03	8.1545-02	1.2534+05	1.6339-03	1.3070+00
30	478.57	5.3803+01	9.0359+00	2.6862-02	9.0359+00	2.6862-02	1.1890-02	3.4200-01	5.2566+05	6.8639-03	1.6410+00
31	483.72	4.3470+01	7.4339+00	2.2181-02	7.4339+00	2.2181-02	9.8182-03	2.8241-01	4.3406+05	5.6692-03	1.7720+00
32	505.40	1.0819+01	1.8469+00	5.6042-03	1.8489+00	5.6042-03	2.4806-03	7.1351-02	1.0967+05	1.4337-03	2.4660+00
33	466.13	5.1169+00	8.5479-01	2.5188-03	8.5479-01	2.5188-03	1.1149-03	3.2068-02	4.9289+04	6.4325-04	3.0090+00
34	449.64	4.4140+00	7.1839-01	2.0924-03	7.1839-01	2.0924-03	9.2616-04	2.6640-02	4.0945+04	5.3398-04	3.3930+00
35	444.42	3.7647+00	5.8484-01	1.6972-03	5.8484-01	1.6972-03	7.5124-04	2.1609-02	3.3212+04	4.3303-04	3.7770+00
36	444.18	1.3139+01	2.1239+00	6.1626-03	2.1239+00	6.1626-03	2.7278-03	7.8461-02	1.2059+05	1.5723-03	1.3070+00
37	505.64	1.0312+01	1.7834+00	5.4064-03	1.7834+00	5.4064-03	2.3931-03	6.8833-02	1.0580+05	1.3832-03	2.4660+00
38	464.13	5.6831+00	9.3408-01	2.7485-03	9.3408-01	2.7485-03	1.2166-03	3.4993-02	5.3784+04	7.0186-04	3.0090+00
39	445.44	5.0722+00	8.1818-01	2.3761-03	8.1818-01	2.3761-03	1.0517-03	3.0251-02	4.6496+04	6.0626-04	3.3930+00
40	441.31	4.0774+00	6.4990-01	1.8819-03	6.4990-01	1.8819-03	8.3300-04	2.3960-02	3.6827+04	4.8010-04	3.7770+00
41	447.09	3.3532+00	5.2516-01	1.5269-03	5.2516-01	1.5269-03	6.7584-04	1.9440-02	2.9879+04	3.8961-04	4.1620+00
43	461.21	2.1709+00	3.6146-01	1.0614-03	3.6146-01	1.0614-03	4.6980-04	1.3513-02	2.0770+04	2.7100-04	5.3230+00
47	444.51	4.2140+00	6.7521-01	1.9596-03	6.7521-01	1.9596-03	8.6738-04	2.4949-02	3.8347+04	4.9998-04	7.1100-01
48	433.72	7.0608+00	1.1434+00	3.2935-03	1.1434+00	3.2935-03	1.4578-03	4.1932-02	6.4450+04	8.3993-04	1.0880+00
49	444.89	1.4203+01	2.3316+00	6.7687-03	2.3316+00	6.7687-03	2.9960-03	8.6177-02	1.3245+05	1.7270-03	1.3070+00
50	488.77	5.4249+01	9.2264+00	2.7630-02	9.2264+00	2.7630-02	1.2230-02	3.5178-01	5.4069+05	7.0634-03	1.6410+00
51	492.50	4.4332+01	7.6249+00	2.2896-02	7.6249+00	2.2896-02	1.0134-02	2.9150-01	4.4804+05	5.8540-03	1.7720+00
52	490.43	4.7387+00	8.1394-01	2.4404-03	8.1394-01	2.4404-03	1.0802-03	3.1071-02	4.7756+04	6.2392-04	2.4660+00
53	458.10	5.3299+00	8.7246-01	2.5563-03	8.7246-01	2.5563-03	1.1315-03	3.2546-02	5.0023+04	6.5260-04	3.0090+00
54	444.09	4.4748+00	7.1679-01	2.0796-03	7.1679-01	2.0796-03	9.2051-04	2.6477-02	4.0696+04	5.3060-04	3.3930+00
55	442.38	3.7870+00	5.9485-01	1.7238-03	5.9485-01	1.7238-03	7.6301-04	2.1947-02	3.3733+04	4.3978-04	3.7770+00
56	449.10	2.5798+00	3.9576-01	1.1522-03	3.9576-01	1.1522-03	5.1002-04	1.4670-02	2.2548+04	2.9405-04	4.1100-01
57	444.79	4.2748+00	6.8092-01	1.9765-03	6.8092-01	1.9765-03	8.7488-04	2.5165-02	3.8678+04	5.0431-04	7.1100-01
58	441.51	7.3974+00	1.2044+00	3.4881-03	1.2044+00	3.4881-03	1.5440-03	4.4410-02	6.8258+04	8.8985-04	1.0880+00
59	446.54	1.3984+01	2.2916+00	6.6601-03	2.2916+00	6.6601-03	2.9479-03	8.4794-02	1.3033+05	1.6994-03	1.3070+00
60	489.51	5.8493+01	9.8943+00	2.9646-02	9.8943+00	2.9646-02	1.3122-02	3.7745-01	5.8014+05	7.5791-03	1.6410+00
61	450.03	4.0010+00	6.4939-01	1.8919-03	6.4939-01	1.8919-03	8.3743-04	2.4088-02	3.7023+04	4.8283-04	3.0090+00
62	438.72	3.7304+00	5.9533-01	1.7208-03	5.9533-01	1.7208-03	7.6169-04	2.1909-02	3.3674+04	4.3895-04	3.3930+00
63	440.76	3.4519+00	5.4161-01	1.5678-03	5.4161-01	1.5678-03	6.9394-04	1.9960-02	3.0679+04	3.9994-04	3.7770+00
64	438.07	7.6951+00	1.2760+00	3.6866-03	1.2760+00	3.6866-03	1.6318-03	4.6937-02	7.2142+04	9.4035-04	1.0880+00
65	442.42	1.4638+01	2.4347+00	7.0557-03	2.4347+00	7.0557-03	3.1231-03	8.9831-02	1.3807+05	1.8000-03	1.3070+00
66	485.81	5.9252+01	1.0147+01	3.0322-02	1.0147+01	3.0322-02	1.3421-02	3.8605-01	5.9336+05	7.7504-03	1.6410+00
69	444.15	2.6566+00	4.4238-01	1.2836-03	4.4238-01	1.2836-03	5.6814-04	1.6342-02	2.5118+04	3.2748-04	4.1100-01
70	440.93	4.3958+00	7.3037-01	2.1144-03	7.3037-01	2.1144-03	9.3589-04	2.6920-02	4.1376+04	5.3938-04	7.1100-01
71	449.71	1.3702+01	2.2838+00	6.6520-03	2.2838+00	6.6520-03	2.9444-03	8.4692-02	1.3017+05	1.6976-03	1.3070+00
72	488.50	5.8717+01	1.0073+01	3.0159-02	1.0073+01	3.0159-02	1.3349-02	3.8398-01	5.9018+05	7.7098-03	1.6410+00
73	451.68	3.3844+00	5.4496-01	1.5895-03	5.4496-01	1.5895-03	7.0357-04	2.0237-02	3.1105+04	4.0568-04	3.7770+00
74	469.25	1.8727+00	3.0979-01	9.1486-04	3.0979-01	9.1486-04	4.0494-04	1.1648-02	1.7903+04	2.3367-04	5.3230+00
77	464.02	4.8722+00	8.1517-01	2.3984-03	8.1517-01	2.3984-03	1.0616-03	3.0536-02	4.6934+04	6.1246-04	3.0090+00
78	450.99	3.7912+00	6.2130-01	1.8113-03	6.2130-01	1.8113-03	8.0173-04	2.3061-02	3.5445+04	4.6227-04	3.3930+00
79	447.32	3.2862+00	5.2757-01	1.5341-03	5.2757-01	1.5341-03	6.7905-04	1.9532-02	3.0021+04	3.9147-04	3.7770+00
80	509.13	1.0889+01	1.8984+00	5.7700-03	1.8984+00	5.7700-03	2.5540-03	7.3461-02	1.1291+05	1.4764-03	2.4660+00
81	473.06	4.9221+00	8.2851-01	2.4534-03	8.2851-01	2.4534-03	1.0859-03	3.1235-02	4.8009+04	6.2674-04	3.0090+00
82	456.25	4.1096+00	6.7792-01	1.9837-03	6.7792-01	1.9837-03	8.7804-04	2.5256-02	3.8818+04	5.0638-04	3.3930+00
83	448.32	3.6088+00	5.8681-01	1.7076-03	5.8681-01	1.7076-03	7.5582-04	2.1740-02	3.3415+04	4.3575-04	3.7770+00
337	540.77	1.6084+01	3.1268+00	9.7291-03	3.1268+00	9.7291-03	4.3064-03	1.2387-01	1.9039+05	2.4930-03	7.1680+00
339	546.02	1.3532+01	2.6955+00	8.4202-03	2.6955+00	8.4202-03	3.7270-03	1.0720-01	1.6477+05	2.1581-03	8.1130+00
340	496.14	3.7325+00	7.0557-01	2.1242-03	7.0557-01	2.1242-03	9.4026-04	2.7045-02	4.1569+04	5.4322-04	8.6180+00
342	541.33	1.4725+01	2.9552+00	9.1991-03	2.9552+00	9.1991-03	4.0718-03	1.1712-01	1.8001+05	2.3573-03	7.1680+00
344	537.19	1.5176+01	3.0223+00	9.3788-03	3.0223+00	9.3788-03	4.1513-03	1.1941-01	1.8353+05	2.4029-03	8.1130+00
347	513.72	1.3924+01	2.6618+00	8.1173-03	2.6618+00	8.1173-03	3.5930-03	1.0335-01	1.5885+05	2.0774-03	7.1680+00
349	508.87	1.5581+01	3.0408+00	9.2402-03	3.0408+00	9.2402-03	4.0900-03	1.1764-01	1.8082+05	2.3643-03	8.1130+00
350	475.69	4.0582+00	7.1457-01	2.1199-03	7.1457-01	2.1199-03	9.3834-04	2.6990-02	4.1484+04	5.4162-04	8.6180+00
352	504.56	1.6415+01	3.0450+00	9.2238-03	3.0450+00	9.2238-03	4.0827-03	1.1743-01	1.8050+05	2.3597-03	7.1680+00
354	498.94	1.6437+01	3.1793+00	9.5913-03	3.1793+00	9.5913-03	4.2454-03	1.2211-01	1.8769+05	2.4531-03	8.1130+00
357	509.08	1.2584+01	2.3346+00	7.0955-03	2.3346+00	7.0955-03	3.1407-03	9.0337-02	1.3885+05	1.8156-03	7.1680+00
359	504.96	1.7723+01	3.2166+00	9.7465-03	3.2166+00	9.7465-03	4.3141-03	1.2409-01	1.9073+05	2.4934-03	8.1130+00
401	453.70	4.9548+00	4.1039-01	1.1987-03	4.1039-01	1.1987-03	5.3059-04	1.5262-02	2.3457+04	3.0597-04	4.5500-01
403	456.29	5.4540+00	4.4718-01	1.3086-03	4.4718-01	1.3086-03	5.7921-04	1.6660-02	2.5607+04	3.3404-04	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0547-10	-4.0033-07	-3.0547-10	-1.3521-10	-3.8892-09	-5.9777-03	-6.7258-11	8.0100-01
405	463.42	1.0205+01	8.4074-01	2.4726-03	8.4074-01	2.4726-03	1.0944-03	3.1480-02	4.8385+04	6.3139-04	1.0510+00
406	467.63	1.5045+01	1.2504+00	3.6885-03	1.2504+00	3.6885-03	1.6326-03	4.6961-02	7.2179+04	9.4205-04	1.1670+00
407	474.75	1.8127+01	1.5409+00	4.5682-03	1.5409+00	4.5682-03	2.0220-03	5.8161-02	8.9394+04	1.1671-03	1.2830+00
408	457.07	7.2213+00	5.8530-01	1.7137-03	5.8530-01	1.7137-03	7.5852-04	2.1818-02	3.3534+04	4.3747-04	5.1300-01
409	455.89	8.3860+00	6.9151-01	2.0229-03	6.9151-01	2.0229-03	8.9541-04	2.5755-02	3.9586+04	5.1639-04	5.7000-01
410	458.88	7.9138+00	6.3054-01	1.8485-03	6.3054-01	1.8485-03	8.1819-04	2.3534-02	3.6172+04	4.7192-04	6.2800-01
411	460.86	9.7216+00	8.0434-01	2.3613-03	8.0434-01	2.3613-03	1.0452-03	3.0063-02	4.6207+04	6.0289-04	6.8600-01
412	462.78	6.9532+00	5.7262-01	1.6833-03	5.7262-01	1.6833-03	7.4507-04	2.1431-02	3.2940+04	4.2982-04	7.4400-01
413	460.95	1.0532+01	8.7663-01	2.5737-03	8.7663-01	2.5737-03	1.1392-03	3.2767-02	5.0363+04	6.5713-04	8.0100-01
414	461.22	9.6618+00	7.9483-01	2.3340-03	7.9483-01	2.3340-03	1.0331-03	2.9715-02	4.5672+04	5.9593-04	8.5900-01
415	464.77	1.1024+01	9.1455-01	2.6922-03	9.1455-01	2.6922-03	1.1917-03	3.4276-02	5.2683+04	6.8751-04	9.1700-01
416	462.47	8.1496+00	6.2680-01	1.8422-03	6.2680-01	1.8422-03	8.1541-04	2.3454-02	3.6049+04	4.7039-04	5.7000-01
417	467.69	1.3460+01	1.1121+00	3.2806-03	1.1121+00	3.2806-03	1.4521-03	4.1767-02	6.4196+04	8.3786-04	1.0520+00

CONFIDENTIAL

29 1 11.99 -.01 .00 -.00 402 11 2.40 10.13 753.4 1794.7

8.70744+01 1.57354-02 1.13037+00 4.63196+03 1.51617-05 7.05302-08 8.35354-02 7.72060+00 7.32206-06 7.43634-02

1	442.73	2.7745+00	4.6156-01	1.3384-03	4.6156-01	1.3384-03	5.9236-04	1.7041-02	2.6198+04	3.4141-04	4.1100-01
2	438.10	4.1865+00	6.9422-01	2.0066-03	6.9422-01	2.0066-03	8.8808-04	2.5548-02	3.9277+04	5.1175-04	7.1100-01
3	451.78	1.0078+01	1.6871+00	4.9233-03	1.6871+00	4.9233-03	2.1789-03	6.2681-02	9.6365+04	1.2563-03	1.3070+00
4	487.97	3.7195+01	6.3785+00	1.9099-02	6.3785+00	1.9099-02	8.4527-03	2.4316-01	3.7383+05	4.8815-03	1.6410+00
5	496.96	3.8357+01	6.9259+00	2.0873-02	6.9259+00	2.0873-02	9.2379-03	2.6575-01	4.0856+05	5.3371-03	1.7720+00
6	510.46	1.1071+01	1.8980+00	5.7768-03	1.8980+00	5.7768-03	2.5566-03	7.3548-02	1.1307+05	1.4780-03	2.4660+00
7	477.97	5.5226+00	9.2437-01	2.7480-03	9.2437-01	2.7480-03	1.2162-03	3.4987-02	5.3787+04	7.0205-04	3.0090+00
8	459.70	4.5688+00	7.4870-01	2.1970-03	7.4870-01	2.1970-03	9.7235-04	2.7972-02	4.3004+04	5.6084-04	3.3930+00
9	450.43	3.6171+00	5.8902-01	1.7172-03	5.8902-01	1.7172-03	7.6000-04	2.1863-02	3.3612+04	4.3818-04	3.7770+00
10	465.83	2.2073+00	3.6430-01	1.0737-03	3.6430-01	1.0737-03	4.7518-04	1.3670-02	2.1015+04	2.7415-04	5.3230+00
14	437.01	6.8192+00	1.1299+00	3.2636-03	1.1299+00	3.2636-03	1.4444-03	4.1551-02	6.3879+04	8.3227-04	1.0880+00
15	442.23	1.2112+01	2.0142+00	5.8389-03	2.0142+00	5.8389-03	2.5841-03	7.4339-02	1.1429+05	1.4894-03	1.3070+00
16	484.76	4.7118+01	8.0634+00	2.4088-02	8.0634+00	2.4088-02	1.0661-02	3.0668-01	4.7149+05	6.1558-03	1.6410+00
19	448.22	2.6260+00	3.9876-01	1.1608-03	3.9876-01	1.1608-03	5.1372-04	1.4778-02	2.2720+04	2.9616-04	4.1100-01
20	445.43	4.1969+00	6.6676-01	1.9371-03	6.6676-01	1.9371-03	8.5731-04	2.4663-02	3.7916+04	4.9418-04	7.1100-01
21	437.97	7.0410+00	1.1299+00	3.2657-03	1.1299+00	3.2657-03	1.4453-03	4.1578-02	6.3921+04	8.3285-04	1.0880+00
22	439.78	1.2570+01	2.0319+00	5.8801-03	2.0319+00	5.8801-03	2.6023-03	7.4863-02	1.1509+05	1.4997-03	1.3070+00
23	618.94	5.7148-03	1.0168-03	3.3633-06	1.0168-03	3.3633-06	1.4885-06	4.2821-05	6.5831+01	8.6488-07	1.6410+00
24	469.81	5.2634+00	8.6839-01	2.5666-03	8.6839-01	2.5666-03	1.1359-03	3.2677-02	5.0237+04	6.5547-04	3.0090+00
25	458.63	4.4384+00	7.0934-01	2.0800-03	7.0934-01	2.0800-03	9.2055-04	2.6482-02	4.0712+04	5.3094-04	3.3930+00
26	452.87	3.3668+00	5.3926-01	1.5749-03	5.3926-01	1.5749-03	6.9699-04	2.0051-02	3.0826+04	4.0190-04	3.7770+00
27	443.98	3.8223+00	6.0665-01	1.7607-03	6.0665-01	1.7607-03	7.7923-04	2.2417-02	3.4463+04	4.4914-04	7.1100-01
28	439.15	7.4426+00	1.1953+00	3.4576-03	1.1953+00	3.4576-03	1.5303-03	4.4022-02	6.7678+04	8.8184-04	1.0880+00
29	443.85	1.3332+01	2.1807+00	6.3287-03	2.1807+00	6.3287-03	2.8009-03	8.0575-02	1.2387+05	1.6144-03	1.3070+00
30	491.65	5.1947+01	8.7992+00	2.6417-02	8.7992+00	2.6417-02	1.1691-02	3.3633-01	5.1707+05	6.7530-03	1.6410+00
31	494.49	4.2775+01	7.3666+00	2.2162-02	7.3666+00	2.2162-02	9.8080-03	2.8215-01	4.3377+05	5.6659-03	1.7720+00
32	508.19	1.1322+01	1.9382+00	5.8894-03	1.9382+00	5.8894-03	2.6065-03	7.4982-02	1.1528+05	1.5066-03	2.4660+00
33	467.42	5.1668+00	8.6387-01	2.5489-03	8.6387-01	2.5489-03	1.1281-03	3.2452-02	4.9890+04	6.5087-04	3.0090+00
34	450.77	4.1844+00	6.8155-01	1.9875-03	6.8155-01	1.9875-03	8.7960-04	2.5304-02	3.8902+04	5.0715-04	3.3930+00
35	445.37	3.7403+00	5.8143-01	1.6891-03	5.8143-01	1.6891-03	7.4757-04	2.1506-02	3.3062+04	4.3092-04	3.7770+00
36	447.39	1.2592+01	2.0400+00	5.9349-03	2.0400+00	5.9349-03	2.6266-03	7.5562-02	1.1617+05	1.5142-03	1.3070+00
37	508.28	1.0783+01	1.8680+00	5.6764-03	1.8680+00	5.6764-03	2.5122-03	7.2271-02	1.1111+05	1.4522-03	2.4660+00
38	465.57	5.8904+00	9.6909-01	2.8556-03	9.6909-01	2.8556-03	1.2638-03	3.6357-02	5.5894+04	7.2914-04	3.0090+00
39	446.64	4.9730+00	8.0284-01	2.3344-03	8.0284-01	2.3344-03	1.0332-03	2.9721-02	4.5693+04	5.9557-04	3.3930+00
40	442.33	4.0795+00	6.5069-01	1.8864-03	6.5069-01	1.8864-03	8.3484-04	2.4016-02	3.6922+04	4.8116-04	3.7770+00
41	447.92	3.3158+00	5.1960-01	1.5122-03	5.1960-01	1.5122-03	6.6925-04	1.9253-02	2.9599+04	3.8582-04	4.1620+00
43	461.75	2.1501+00	3.5813-01	1.0525-03	3.5813-01	1.0525-03	4.6578-04	1.3399-02	2.0600+04	2.6868-04	5.3230+00
47	445.54	4.0857+00	6.5512-01	1.9034-03	6.5512-01	1.9034-03	8.4241-04	2.4234-02	3.7257+04	4.8559-04	7.1100-01
48	435.48	7.1735+00	1.1631+00	3.3557-03	1.1631+00	3.3557-03	1.4851-03	4.2724-02	6.5682+04	8.5571-04	1.0880+00
49	448.46	1.3771+01	2.2664+00	6.5985-03	2.2664+00	6.5985-03	2.9203-03	8.4010-02	1.2915+05	1.6836-03	1.3070+00
50	501.99	5.2494+01	9.0044+00	2.7237-02	9.0044+00	2.7237-02	1.2054-02	3.4677-01	5.3311+05	6.9658-03	1.6410+00
51	503.53	4.3783+01	7.5842+00	2.2967-02	7.5842+00	2.2967-02	1.0164-02	2.9241-01	4.4954+05	5.8741-03	1.7720+00
52	491.63	4.7626+00	8.1868-01	2.4578-03	8.1868-01	2.4578-03	1.0878-03	3.1292-02	4.8108+04	6.2829-04	2.4660+00
53	459.44	5.3247+00	8.7240-01	2.5596-03	8.7240-01	2.5596-03	1.1328-03	3.2588-02	5.0100+04	6.5338-04	3.0090+00
54	445.16	4.4291+00	7.0999-01	2.0623-03	7.0999-01	2.0623-03	9.1273-04	2.6257-02	4.0367+04	5.2612-04	3.3930+00
55	443.31	3.7501+00	5.8944-01	1.7100-03	5.8944-01	1.7100-03	7.5678-04	2.1771-02	3.3470+04	4.3619-04	3.7770+00
56	449.83	2.8566+00	4.3845-01	1.2777-03	4.3845-01	1.2777-03	5.6549-04	1.6268-02	2.5010+04	3.2603-04	4.1100-01
57	445.84	4.2229+00	6.7314-01	1.9562-03	6.7314-01	1.9562-03	8.6576-04	2.4906-02	3.8290+04	4.9906-04	7.1100-01
58	443.34	7.2426+00	1.1807+00	3.4252-03	1.1807+00	3.4252-03	1.5159-03	4.3609-02	6.7043+04	8.7374-04	1.0880+00
59	449.94	1.3537+01	2.2235+00	6.4803-03	2.2235+00	6.4803-03	2.8680-03	8.2505-02	1.2684+05	1.6535-03	1.3070+00
60	503.77	5.6652+01	9.6713+00	2.9292-02	9.6713+00	2.9292-02	1.2964-02	3.7294-01	5.7335+05	7.4920-03	1.6410+00
61	451.02	3.7319+00	6.0613-01	1.7679-03	6.0613-01	1.7679-03	7.8240-04	2.2508-02	3.4603+04	4.5111-04	3.0090+00
62	439.67	3.8166+00	6.0949-01	1.7636-03	6.0949-01	1.7636-03	7.8054-04	2.2454-02	3.4520+04	4.4981-04	3.3930+00
63	441.62	3.4473+00	5.4120-01	1.5682-03	5.4120-01	1.5682-03	6.9403-04	1.9966-02	3.0694+04	3.9999-04	3.7770+00
64	439.95	7.6727+00	1.2740+00	3.6871-03	1.2740+00	3.6871-03	1.6318-03	4.6943-02	7.2168+04	9.4039-04	1.0880+00
65	446.05	1.4268+01	2.3790+00	6.9147-03	2.3790+00	6.9147-03	3.0602-03	8.8036-02	1.3534+05	1.7641-03	1.3070+00
66	500.33	5.7772+01	9.9868+00	3.0172-02	9.9868+00	3.0172-02	1.3353-02	3.8414-01	5.9056+05	7.7159-03	1.6410+00
69	444.84	2.6322+00	4.3857-01	1.2735-03	4.3852-01	1.2735-03	5.6362-04	1.6214-02	2.4927+04	3.2488-04	4.1100-01
70	442.01	4.3434+00	7.2219-01	2.0932-03	7.2219-01	2.0932-03	9.2637-04	2.6650-02	4.0970+04	5.3391-04	7.1100-01
71	453.00	1.3372+01	2.2338+00	6.5243-03	2.2338+00	6.5243-03	2.8874-03	8.3065-02	1.2770+05	1.6650-03	1.3070+00
72	502.90	5.6874+01	9.8478+00	2.9808-02	9.8478+00	2.9808-02	1.3192-02	3.7950-01	5.8344+05	7.6236-03	1.6410+00
73	452.46	3.4125+00	5.4978-01	1.6051-03	5.4978-01	1.6051-03	7.1038-04	2.0436-02	3.1418+04	4.0961-04	3.7770+00
74	469.70	1.8478+00	3.0576-01	9.0361-04	3.0576-01	9.0361-04	3.9991-04	1.1505-02	1.7687+04	2.3077-04	5.3230+00
77	465.26	4.8358+00	8.0976-01	2.3856-03	8.0976-01	2.3856-03	1.0558-03	3.0373-02	4.6694+04	6.0912-04	3.0090+00
78	451.88	3.6083+00	5.9169-01	1.7268-03	5.9169-01	1.7268-03	7.6423-04	2.1985-02	3.3799+04	4.4065-04	3.3930+00
79	448.12	3.2873+00	5.2803-01	1.5370-03	5.2803-01	1.5370-03	6.8021-04	1.9568-02	3.0083+04	3.9214-04	3.7770+00
80	511.88	1.1208+01	1.9575+00	5.9640-03	1.9575+00	5.9640-03	2.6395-03	7.5932-02	1.1673+05	1.5260-03	2.4660+00
81	474.31	5.0010+00	8.4250-01	2.4981-03	8.4250-01	2.4981-03	1.1056-03	3.1805-02	4.8896+04	6.3809-04	3.0090+00
82	457.28	4.1631+00	6.8723-01	2.0132-03	6.8723-01	2.0132-03	8.9100-04	2.5632-02	3.9406+04	5.1386-04	3.3930+00
83	449.21	3.6114+00	5.8759-01	1.7116-03	5.8759-01	1.7116-03	7.5752-04	2.1792-02	3.3503+04	4.3673-04	3.7770+00
337	544.79	1.6165+01	3.1502+00	9.8358-03	3.1502+00	9.8358-03	4.3530-03	1.2523-01	1.9252+05	2.5204-03	1.6180+00
339	549.48	1.3896+01	2.7736+00	8.6908-03	2.7736+00	8.6908-03	3.8463-03	1.1065-01	1.7011+05	2.2275-03	8.1130+00
340	497.09	3.8145+00	7.2153-01	2.1747-03	7.2153-01	2.1747-03	9.6247-04	2.7668-02	4.2567+04	5.5606-04	8.6180+00
342	545.01	1.4845+01	2.9859+00	9.3245-03	2.9859+00	9.3245-03	4.1267-03	1.1872-01	1.8251+05	2.3894-03	1.7680+00
344	540.99	1.5273+01	3.0487+00	9.4917-03	3.0487+00	9.4917-03	4.2007-03	1.2085-01	1.8578+05	2.4318-03	8.1130+00
347	517.24	1.3949+01	2.6724+00	8.1745-03	2.6724+00	8.1745-03	3.6178-03	1.0408-01	1.6000+05	2.0921-03	1.7680+00
349	512.78	1.5582+01	3.0484+00	9.2941-03	3.0484+00	9.2941-03	4.1133-03	1.1833-01	1.8192+05	2.3781-03	8.1130+00
350	476.69	4.0847+00	7.1971-01	2.1376-03	7.1971-01	2.1376-03	9.4604-04	2.7215-02	4.1840+04	5.4607-04	8.6180+00
352	508.62	1.6226+01	3.0177+00	9.1723-03	3.0177+00	9.1723-03	4.0594-03	1.1678-01	1.7953+05	2.3465-03	1.7680+00
354	502.84	1.5909+01	3.0847+00	9.3365-03	3.0847+00	9.3365-03	4.1321-03	1.1887-01	1.8275+05	2.3879-03	8.1130+00
357	512.17	1.2242+01	2.2755+00	6.9342-03	2.2755+00	6.9342-03	3.0689-03	8.8284-02	1.3572+05	1.7742-03	1.7680+00
359	508.94	1.6497+01	3.0017+00	9.1258-03	3.0017+00	9.1258-03	4.0388-03	1.1619-01	1.7862+05	2.3346-03	8.1130+00
401	454.99	5.1657+00	4.2824-01	1.2525-03	4.2824-01	1.2525-03	5.5432-04	1.5947-02	2.4516+04	3.1966-04	4.5500-01
403	457.64	5.4587+00	4.4798-01	1.3127-03	4.4798-01	1.3127-03	5.8096-04	1.6713-02	2.5694+04	3.3506-04	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.3450-06	-5.6936-03	-4.3450-06	-1.9230-06	-5.5319-05	-8.5046+01	-9.5662-07	8.0100-01
405	465.93	1.0084+01	8.3217-01	2.4528-03	8.3217-01	2.4528-03	1.0855-03	3.1228-02	4.8009+04	6.2629-04	1.0510+00
406	471.22	1.4174+01	1.1809+00	3.4938-03	1.1809+00	3.4938-03	1.5462-03	4.4482-02	6.8385+04	8.9231-04	1.1670+00
407	479.12	1.7434+01	1.4862+00	4.4220-03	1.4862+00	4.4220-03	1.9570-03	5.6299-02	8.6553+04	1.1298-03	1.2830+00
408	458.83	7.1060+00	5.7665-01	1.6911-03	5.7665-01	1.6911-03	7.4845-04	2.1531-02	3.3101+04	4.3168-04	5.1300-01
409	458.01	8.2577+00	6.8191-01	1.9987-03	6.8191-01	1.9987-03	8.8455-04	2.5446-02	3.9121+04	5.1016-04	5.7000-01
410	460.85	7.8675+00	6.2769-01	1.8435-03	6.2769-01	1.8435-03	8.1586-04	2.3470-02	3.6082+04	4.7060-04	6.2800-01
411	463.24	9.5522+00	7.9160-01	2.3288-03	7.9160-01	2.3288-03	1.0307-03	2.9649-02	4.5582+04	5.9456-04	6.8600-01
412	464.54	8.1564+00	6.7249-01	1.9802-03	6.7249-01	1.9802-03	8.7638-04	2.5211-02	3.8759+04	5.0559-04	7.4400-01
413	463.47	1.0180+01	8.4876-01	2.4973-03	8.4876-01	2.4973-03	1.1052-03	3.1795-02	4.8881+04	6.3760-04	8.0100-01
414	463.58	9.4249+00	7.7658-01	2.2851-03	7.7658-01	2.2851-03	1.0113-03	2.9094-02	4.4728+04	5.8343-04	8.5900-01
415	467.46	1.0657+01	8.8563-01	2.6132-03	8.8563-01	2.6132-03	1.1565-03	3.3270-02	5.1149+04	6.6729-04	9.1700-01
416	464.51	8.1896+00	6.3074-01	1.8572-03	6.3074-01	1.8572-03	8.2195-04	2.3646-02	3.6352+04	4.7419-04	5.7000-01
417	470.96	1.3016+01	1.0778+00	3.1881-03	1.0778+00	3.1881-03	1.4110-03	4.0590-02	6.2402+04	8.1423-04	1.0520+00

[redacted]

29 1 11.99 -.01 .00 -.00 402 11 2.65 10.13 753.4 1794.7

8.70744+01 1.57354-02 1.13037+00 4.63196+03 1.51617-05 7.05302-08 8.35354-02 7.72000+00 7.32206-06 7.43634-02

1	443.41	2.6826+00	4.4648-01	1.2942-03	4.4648-01	1.2942-03	5.7279-04	1.6478-02	2.5332+04	3.3042-04	4.1100-01
2	439.14	4.1943+00	6.9602-01	2.0116-03	6.9602-01	2.0116-03	8.9028-04	2.5611-02	3.9374+04	5.1347-04	7.1100-01
3	454.23	9.9839+00	1.6741+00	4.8895-03	1.6741+00	4.8895-03	2.1639-03	6.2252-02	9.5704+04	1.2489-03	1.3070+00
4	497.13	3.6734+01	6.3370+00	1.9084-02	6.3370+00	1.9084-02	8.4461-03	2.4297-01	3.7354+05	4.8840-03	1.6410+00
5	506.45	3.7674+01	6.8443+00	2.0751-02	6.9440+00	2.0751-02	9.1839-03	2.6420-01	4.0617+05	5.3128-03	1.7720+00
6	513.28	1.1344+01	1.9483+00	5.9370-03	1.9483+00	5.9370-03	2.6275-03	7.5587-02	1.1621+05	1.5205-03	2.4660+00
7	479.34	5.5242+00	9.2546-01	2.7516-03	9.2546-01	2.7516-03	1.2178-03	3.5032-02	5.3858+04	7.0361-04	3.0090+00
8	460.84	4.5283+00	7.4263-01	2.1792-03	7.4263-01	2.1792-03	9.6443-04	2.7744-02	4.2653+04	5.5677-04	3.3930+00
9	451.33	3.3377+00	5.4384-01	1.5852-03	5.4384-01	1.5852-03	7.0155-04	2.0182-02	3.1027+04	4.0464-04	3.7770+00
10	466.38	2.2177+00	3.6614-01	1.0786-03	3.6614-01	1.0786-03	4.7736-04	1.3733-02	2.1112+04	2.7565-04	5.3230+00
14	438.68	6.7699+00	1.1231+00	3.2448-03	1.1231+00	3.2448-03	1.4360-03	4.1312-02	6.3511+04	8.2823-04	1.0880+00
15	445.23	1.2153+01	2.0252+00	5.8780-03	2.0252+00	5.8780-03	2.6014-03	7.4836-02	1.1505+05	1.5008-03	1.3070+00
16	496.42	4.6491+01	9.0166+00	2.4130-02	9.0166+00	2.4130-02	1.0679-02	3.0721-01	4.7230+05	6.1750-03	1.6410+00
19	448.88	2.5574+00	3.8852-01	1.1305-03	3.8852-01	1.1305-03	5.0034-04	1.4394-02	2.2128+04	2.8870-04	4.1100-01
20	446.47	4.2699+00	6.6930-01	1.9443-03	6.6930-01	1.9443-03	8.6048-04	2.4754-02	3.8056+04	4.9644-04	7.1100-01
21	439.72	6.9969+00	1.1242+00	3.2504-03	1.1242+00	3.2504-03	1.4385-03	4.1383-02	6.3621+04	8.2970-04	1.0880+00
22	442.90	1.2517+01	2.0278+00	5.8760-03	2.0278+00	5.8760-03	2.6005-03	7.4811-02	1.1501+05	1.5001-03	1.3070+00
23	618.95	3.6884-02	6.5630-03	2.1687-05	6.5630-03	2.1687-05	9.5980-06	2.7611-04	4.2449+02	5.5821-06	1.6410+00
24	471.13	5.3013+00	8.7542-01	2.5876-03	8.7542-01	2.5876-03	1.1452-03	3.2944-02	5.0648+04	6.6143-04	3.0090+00
25	459.72	4.4520+00	7.1202-01	2.0877-03	7.1202-01	2.0877-03	9.2395-04	2.6580-02	4.0863+04	5.3338-04	3.3930+00
26	453.78	3.6717+00	5.8847-01	1.7182-03	5.8847-01	1.7182-03	7.6043-04	2.1876-02	3.3631+04	4.3887-04	3.7770+00
27	444.92	3.8052+00	6.6432-01	1.7536-03	6.0432-01	1.7536-03	7.7609-04	2.2326-02	3.4324+04	4.4773-04	7.1100-01
28	441.01	7.4520+00	1.1984+00	3.4680-03	1.1984+00	3.4680-03	1.5348-03	4.4154-02	6.7881+04	8.8530-04	1.0880+00
29	447.19	1.3135+01	2.1534+00	6.2586-03	2.1534+00	6.2586-03	2.7699-03	7.9683-02	1.2250+05	1.5981-03	1.3070+00
30	504.47	5.1044+01	8.7179+00	2.6395-02	8.7179+00	2.6395-02	1.1682-02	3.3605-01	5.1663+05	6.7571-03	1.6410+00
31	505.10	4.2158+01	7.3101+00	2.2143-02	7.3101+00	2.2143-02	9.7996-03	2.8191-01	4.3340+05	5.6687-03	1.7720+00
32	511.10	1.1721+01	2.0102+00	6.1159-03	2.0102+00	6.1159-03	2.7067-03	7.7865-02	1.1971+05	1.5661-03	2.4660+00
33	468.70	5.2151+00	8.7270-01	2.5751-03	8.7270-01	2.5751-03	1.1397-03	3.2785-02	5.0403+04	6.5817-04	3.0090+00
34	451.77	4.0052+00	6.5280-01	1.9034-03	6.5280-01	1.9034-03	8.4238-04	2.4233-02	3.7255+04	4.8612-04	3.3930+00
35	446.31	3.6857+00	5.7332-01	1.6653-03	5.7332-01	1.6653-03	7.3700-04	2.1202-02	3.2595+04	4.2520-04	3.7770+00
36	450.46	1.2311+01	1.9987+00	5.8223-03	1.9987+00	5.8223-03	2.5768-03	7.4127-02	1.1396+05	1.4869-03	1.3070+00
37	511.04	1.1099+01	1.9261+00	5.8596-03	1.9261+00	5.8596-03	2.5933-03	7.4603-02	1.1469+05	1.5005-03	2.4660+00
38	467.07	5.9740+00	9.8364-01	2.8997-03	9.8364-01	2.8997-03	1.2833-03	3.6918-02	5.6757+04	7.4108-04	3.0090+00
39	447.85	4.8779+00	7.8816-01	2.2918-03	7.8816-01	2.2918-03	1.0143-03	2.9178-02	4.4857+04	5.8521-04	3.3930+00
40	443.38	4.1268+00	6.5870-01	1.9094-03	6.5870-01	1.9094-03	8.4503-04	2.4310-02	3.7373+04	4.8747-04	3.7770+00
41	448.74	3.3481+00	5.2494-01	1.5273-03	5.2494-01	1.5273-03	6.7595-04	1.9446-02	2.9895+04	3.9002-04	4.1620+00
43	462.29	2.1829+00	3.6371-01	1.0684-03	3.6371-01	1.0684-03	4.7283-04	1.3602-02	2.0911+04	2.7298-04	5.3230+00
47	446.55	3.9849+00	6.3941-01	1.8575-03	6.3941-01	1.8575-03	8.2209-04	2.3650-02	3.6358+04	4.7430-04	7.1100-01
48	437.28	7.1236+00	1.1564+00	3.3380-03	1.1564+00	3.3380-03	1.4773-03	4.2498-02	6.5335+04	8.5196-04	1.0880+00
49	451.81	1.3498+01	2.2265+00	6.4921-03	2.2265+00	6.4921-03	2.8732-03	8.2656-02	1.2707+05	1.6561-03	1.3070+00
50	514.95	5.1402+01	8.8899+00	2.7123-02	8.8899+00	2.7123-02	1.2004-02	3.4532-01	5.3089+05	6.9469-03	1.6410+00
51	514.41	4.3210+01	7.5368+00	2.2985-02	7.5368+00	2.2985-02	1.0173-02	2.9264-01	4.4990+05	5.8870-03	1.7720+00
52	492.83	4.8057+00	8.2674-01	2.4820-03	8.2674-01	2.4820-03	1.0985-03	3.1600-02	4.8581+04	6.3506-04	2.4660+00
53	460.77	5.3470+00	8.7685-01	2.5729-03	8.7685-01	2.5729-03	1.1387-03	3.2757-02	5.0360+04	6.5737-04	3.0090+00
54	446.26	4.3797+00	7.0261-01	2.0407-03	7.0261-01	2.0407-03	9.0317-04	2.5982-02	3.9944+04	5.2107-04	3.3930+00
55	444.24	3.6488+00	5.7388-01	1.6645-03	5.7388-01	1.6645-03	7.3666-04	2.1192-02	3.2580+04	4.2497-04	3.7770+00
56	450.56	2.0940+00	3.2156-01	9.3678-04	3.2156-01	9.3678-04	4.1459-04	1.1927-02	1.8336+04	2.3924-04	4.1100-01
57	446.90	4.2561+00	6.7893-01	1.9728-03	6.7893-01	1.9728-03	8.7312-04	2.5118-02	3.8615+04	5.0375-04	7.1100-01
58	445.14	7.2519+00	1.1837+00	3.4354-03	1.1837+00	3.4354-03	1.5204-03	4.3738-02	6.7241+04	8.7712-04	1.0880+00
59	453.27	1.3484+01	2.2198+00	6.4790-03	2.2198+00	6.4790-03	2.8674-03	8.2488-02	1.2681+05	1.6548-03	1.3070+00
60	517.72	5.5641+01	9.5831+00	2.9297-02	9.5831+00	2.9297-02	1.2966-02	3.7301-01	5.7345+05	7.5047-03	1.6410+00
61	451.92	3.6774+00	5.9764-01	1.7427-03	5.9764-01	1.7427-03	7.7128-04	2.2188-02	3.4111+04	4.4509-04	3.0090+00
62	440.63	3.7506+00	5.9936-01	1.7340-03	5.9936-01	1.7340-03	7.6743-04	2.2077-02	3.3941+04	4.4265-04	3.3930+00
63	442.47	3.4504+00	5.4201-01	1.5701-03	5.4201-01	1.5701-03	6.9489-04	1.9990-02	3.0733+04	4.0084-04	3.7770+00
64	441.88	7.6535+00	1.2725+00	3.6846-03	1.2725+00	3.6846-03	1.6307-03	4.6912-02	7.2121+04	9.4063-04	1.0880+00
65	449.57	1.3903+01	2.3238+00	6.7653-03	2.3238+00	6.7653-03	2.9941-03	8.6133-02	1.3242+05	1.7277-03	1.3070+00
66	514.66	5.6818+01	9.9118+00	3.0234-02	9.9118+00	3.0234-02	1.3381-02	3.8493-01	5.9178+05	7.7436-03	1.6410+00
69	445.47	2.5252+00	4.2088-01	1.2218-03	4.2088-01	1.2218-03	5.4072-04	1.5555-02	2.3914+04	3.1195-04	4.1100-01
70	443.09	4.3158+00	7.1815-01	2.0813-03	7.1815-01	2.0813-03	9.2111-04	2.6498-02	4.0738+04	5.3135-04	7.1100-01
71	456.32	1.3422+01	2.2472+00	6.5732-03	2.2472+00	6.5732-03	2.9091-03	8.3687-02	1.2866+05	1.6791-03	1.3070+00
72	516.86	5.5656+01	9.7226+00	2.9705-02	9.7226+00	2.9705-02	1.3147-02	3.7820-01	5.8143+05	7.6089-03	1.6410+00
73	453.33	3.6359+00	5.8611-01	1.7108-03	5.8611-01	1.7108-03	7.5715-04	2.1782-02	3.3486+04	4.3697-04	3.7770+00
74	470.16	1.8639+00	3.0852-01	9.1130-04	3.0852-01	9.1130-04	4.0331-04	1.1602-02	1.7837+04	2.3293-04	5.3230+00
77	466.47	4.9226+00	8.2496-01	2.4304-03	8.2496-01	2.4304-03	1.0756-03	3.0943-02	4.7571+04	6.2112-04	3.0090+00
78	452.73	3.7101+00	6.0874-01	1.7761-03	6.0874-01	1.7761-03	7.8606-04	2.2613-02	3.4765+04	4.5364-04	3.3930+00
79	448.93	3.2831+00	5.2766-01	1.5354-03	5.2766-01	1.5354-03	6.7954-04	1.9549-02	3.0054+04	3.9210-04	3.7770+00
80	514.73	1.1489+01	2.0103+00	6.1323-03	2.0103+00	6.1323-03	2.7140-03	7.8074-02	1.2003+05	1.5706-03	2.4660+00
81	475.56	5.0187+00	8.4617-01	2.5090-03	8.4617-01	2.5090-03	1.1104-03	3.1944-02	4.9110+04	6.4148-04	3.0090+00
82	458.33	4.2083+00	6.9518-01	2.0363-03	6.9518-01	2.0363-03	9.0122-04	2.5926-02	3.9858+04	5.2022-04	3.3930+00
83	450.13	3.6561+00	5.9524-01	1.7336-03	5.9524-01	1.7336-03	7.6722-04	2.2071-02	3.3931+04	4.4271-04	3.7770+00
337	548.83	1.6245+01	3.1735+00	9.9300-03	3.1735+00	9.9300-03	4.3947-03	1.2643-01	1.9436+05	2.5473-03	7.1680+00
339	553.00	1.4056+01	2.8103+00	8.8213-03	2.8103+00	8.8213-03	3.9041-03	1.1231-01	1.7266+05	2.2634-03	8.1130+00
340	498.05	3.8000+00	7.1922-01	2.1674-03	7.1922-01	2.1674-03	9.5923-04	2.7595-02	4.2423+04	5.5470-04	8.6180+00
342	548.75	1.4761+01	2.9758+00	9.3107-03	2.9758+00	9.3107-03	4.1207-03	1.1854-01	1.8224+05	2.3885-03	7.1680+00
344	544.82	1.5285+01	3.0581+00	9.5401-03	3.0581+00	9.5401-03	4.2222-03	1.2146-01	1.8673+05	2.4468-03	8.1130+00
347	520.71	1.3979+01	2.6840+00	8.2238-03	2.6840+00	8.2238-03	3.6396-03	1.0470-01	1.6097+05	2.1069-03	7.1680+00
349	516.67	1.3631+01	3.0656+00	9.3650-03	3.0656+00	9.3650-03	4.1447-03	1.1923-01	1.8330+05	2.3988-03	8.1130+00
350	477.73	4.1294+00	7.2808-01	2.1622-03	7.2808-01	2.1622-03	9.5694-04	2.7529-02	4.2322+04	5.5286-04	8.6180+00
352	512.66	1.6121+01	3.0059+00	9.1554-03	3.0059+00	9.1554-03	4.0519-03	1.1656-01	1.7920+05	2.3447-03	7.1680+00
354	506.80	1.5857+01	3.0825+00	9.3487-03	3.0825+00	9.3487-03	4.1374-03	1.1902-01	1.8298+05	2.3935-03	8.1130+00
357	515.15	1.2116+01	2.2565+00	6.8856-03	2.2565+00	6.8856-03	3.0474-03	8.7666-02	1.3477+05	1.7636-03	7.1680+00
359	513.05	1.6370+01	2.9864+00	9.0987-03	2.9864+00	9.0987-03	4.0268-03	1.1584-01	1.7809+05	2.3302-03	8.1130+00
401	456.31	5.2213+00	4.3323-01	1.2672-03	4.3323-01	1.2672-03	5.6083-04	1.6134-02	2.4804+04	3.2371-04	4.5500-01
403	459.01	5.5138+00	4.5292-01	1.3273-03	4.5292-01	1.3273-03	5.8743-04	1.6899-02	2.5980+04	3.3910-04	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1701-06	-2.8443-03	-2.1701-06	-9.6043-07	-2.7629-05	-4.2477+01	-4.7789-07	8.0100-01
405	468.45	1.0092+01	8.3431-01	2.4614-03	8.3431-01	2.4614-03	1.0893-03	3.1337-02	4.8177+04	6.2909-04	1.0510+00
406	474.66	1.3670+01	1.1415+00	3.3826-03	1.1415+00	3.3826-03	1.4970-03	4.3066-02	6.6208+04	8.6478-04	1.1670+00
407	483.40	1.7099+01	1.4618+00	4.3588-03	1.4618+00	4.3588-03	1.9291-03	5.5495-02	8.5317+04	1.1148-03	1.2830+00
408	460.60	7.0364+00	5.7168-01	1.6772-03	5.7168-01	1.6772-03	7.4230-04	2.1354-02	3.2829+04	4.2853-04	5.1300-01
409	460.03	8.2031+00	6.7833-01	1.9893-03	6.7833-01	1.9893-03	8.8042-04	2.5328-02	3.8938+04	5.0826-04	5.7000-01
410	462.80	7.7771+00	6.2130-01	1.8257-03	6.2130-01	1.8257-03	8.0798-04	2.3244-02	3.5734+04	4.6649-04	6.2800-01
411	465.62	9.3647+00	7.7730-01	2.2886-03	7.7730-01	2.2886-03	1.0129-03	2.9138-02	4.4796+04	5.8486-04	6.8600-01
412	466.60	7.9424+00	6.5575-01	1.9321-03	6.5575-01	1.9321-03	8.5508-04	2.4599-02	3.7817+04	4.9377-04	7.4400-01
413	465.99	9.9408+00	8.3024-01	2.4451-03	8.3024-01	2.4451-03	1.0821-03	3.1130-02	4.7859+04	6.2487-04	8.0100-01
414	465.91	9.1995+00	7.5919-01	2.2358-03	7.5919-01	2.2358-03	9.8948-04	2.8465-02	4.3761+04	5.7136-04	8.5900-01
415	470.08	1.0467+01	8.7140-01	2.5738-03	8.7140-01	2.5738-03	1.1391-03	3.2769-02	5.0378+04	6.5787-04	9.1700-01
416	466.56	8.1262+00	6.2673-01	1.8465-03	6.2673-01	1.8465-03	8.1720-04	2.3509-02	3.6142+04	4.7190-04	5.7000-01
417	474.17	1.2705+01	1.0543+00	3.1230-03	1.0543+00	3.1230-03	1.3822-03	3.9761-02	6.1128+04	7.9841-04	1.0520+00

[redacted]

29 1 11.99 -.01 .00 -.00 402 11 3.15 10.13 753.4 1795.2

8.71C16+01 1.57346-02 1.13032+00 4.63268+03 1.51562-05 7.05523-08 8.34921-02 7.72000+00 7.32465-06 7.43604-07

1	444.72	2.6140+00	4.3546-01	1.2645-03	4.3546-01	1.2645-03	5.5975-04	1.6099-02	2.4742+04	3.2246-04	4.1100-01
2	441.25	4.1465+00	6.8909-01	1.9962-03	6.8909-01	1.9962-03	8.8364-04	2.5415-02	3.9058+04	5.0896-04	7.1100-01
3	459.40	1.0588+01	1.7816+00	5.2270-03	1.7816+00	5.2270-03	2.3138-03	6.6549-02	1.0227+05	1.3338-03	1.3070+00
4	515.43	3.6127+01	6.3054+00	1.9262-02	6.3054+00	1.9262-02	8.5264-03	2.4523-01	3.7688+05	4.9271-03	1.6410+00
5	524.94	3.6336+01	6.6782+00	2.0544-02	6.6782+00	2.0544-02	9.0941-03	2.6156-01	4.0198+05	5.2575-03	1.7720+00
6	519.07	1.1666+01	2.0109+00	6.1594-03	2.0109+00	6.1594-03	2.7265-03	7.8420-02	1.2052+05	1.5758-03	2.4660+00
7	482.15	5.5574+00	9.3275-01	2.7812-03	9.3275-01	2.7812-03	1.2311-03	3.5410-02	5.4419+04	7.1139-04	3.0090+00
8	463.12	4.6099+00	7.5717-01	2.2273-03	7.5717-01	2.2273-03	9.8593-04	2.8357-02	4.3580+04	5.6842-04	3.3930+00
9	452.89	3.4047+00	5.5535-01	1.6219-03	5.5535-01	1.6219-03	7.1794-04	2.0649-02	3.1734+04	4.1373-04	3.7770+00
10	467.47	2.1834+00	3.6075-01	1.0645-03	3.6075-01	1.0645-03	4.7119-04	1.3552-02	2.0828+04	2.7171-04	5.3230+00
14	442.02	6.7543+00	1.1231+00	3.2551-03	1.1231+00	3.2551-03	1.4409-03	4.1443-02	6.3691+04	8.2997-04	1.0880+00
15	451.24	1.1729+01	1.9626+00	5.7252-03	1.9626+00	5.7252-03	2.5343-03	7.2892-02	1.1202+05	1.4604-03	1.3070+00
16	519.40	4.5184+01	7.9066+00	2.4224-02	7.9066+00	2.4224-02	1.0723-02	3.0841-01	4.7397+05	6.1975-03	1.6410+00
19	450.09	2.4223+00	3.6831-01	1.0735-03	3.6831-01	1.0735-03	4.7521-04	1.3668-02	2.1005+04	2.7382-04	4.1100-01
20	448.60	4.1855+00	6.6639-01	1.9403-03	6.6639-01	1.9403-03	8.5891-04	2.4704-02	3.7965+04	4.9488-04	7.1100-01
21	443.24	6.9704+00	1.1227+00	3.2567-03	1.1227+00	3.2567-03	1.4416-03	4.1463-02	6.3722+04	8.3042-04	1.0880+00
22	449.18	1.7306+01	2.8023+00	8.1324-03	2.8023+00	8.1324-03	3.5818-03	7.4256-02	1.1412+05	1.4876-03	1.3070+00
23	619.00	1.7195-01	3.0596-02	1.0120-04	3.0596-02	1.0120-04	4.4799-05	1.2885-03	1.9802+03	2.6013-05	1.6410+00
24	473.77	5.2862+00	8.7447-01	2.5919-03	8.7447-01	2.5919-03	1.1473-03	3.2999-02	5.0714+04	6.6178-04	3.0090+00
25	461.97	4.5096+00	7.2235-01	2.1231-03	7.2235-01	2.1231-03	9.3983-04	2.7031-02	4.1542+04	5.4182-04	3.3930+00
26	455.60	3.7283+00	5.9829-01	1.7506-03	5.9829-01	1.7506-03	7.7493-04	2.2288-02	3.4253+04	4.4663-04	3.7770+00
27	446.81	3.6681+00	5.8330-01	1.6963-03	5.8330-01	1.6963-03	7.5088-04	2.1597-02	3.3190+04	4.3260-04	7.1100-01
28	444.75	7.3912+00	1.1917+00	3.4605-03	1.1917+00	3.4605-03	1.5318-03	4.4058-02	6.7710+04	8.8245-04	1.0880+00
29	453.64	1.2831+01	2.1129+00	6.1738-03	2.1129+00	6.1738-03	2.7329-03	7.8603-02	1.2080+05	1.5750-03	1.3070+00
30	529.69	4.9651+01	8.6154+00	2.6597-02	8.6154+00	2.6597-02	1.1774-02	3.3863-01	5.2041+05	6.8080-03	1.6410+00
31	525.84	4.0737+01	7.1564+00	2.2030-02	7.1564+00	2.2030-02	9.7518-03	2.8048-01	4.3105+05	5.6379-03	1.7720+00
32	517.11	1.2319+01	2.1269+00	6.4868-03	2.1269+00	6.4868-03	2.8714-03	8.2588-02	1.2692+05	1.6594-03	2.4660+00
33	471.36	5.3439+00	8.9584-01	2.6507-03	8.9584-01	2.6507-03	1.1733-03	3.3747-02	5.1864+04	6.7672-04	3.0090+00
34	453.74	4.2831+00	6.9904-01	2.0427-03	6.9904-01	2.0427-03	9.0425-04	2.6008-02	3.9969+04	5.2112-04	3.3930+00
35	448.15	3.6992+00	5.7615-01	1.6771-03	5.7615-01	1.6771-03	7.4237-04	2.1352-02	3.2814+04	4.2772-04	3.7770+00
36	456.55	1.2327+01	2.0096+00	5.8842-03	2.0096+00	5.8842-03	2.6047-03	7.4915-02	1.1513+05	1.5013-03	1.3070+00
37	516.71	1.1521+01	2.0065+00	6.1351-03	2.0065+00	6.1351-03	2.7158-03	7.8110-02	1.2004+05	1.5694-03	2.4660+00
38	470.02	5.9242+00	9.7755-01	2.8897-03	9.7755-01	2.8897-03	1.2791-03	3.6790-02	5.6540+04	7.3769-04	3.0090+00
39	450.28	4.7714+00	7.7223-01	2.2512-03	7.7223-01	2.2512-03	9.9651-04	2.8661-02	4.4047+04	5.7420-04	3.3930+00
40	445.40	4.0068+00	6.4045-01	1.8606-03	6.4045-01	1.8606-03	8.2363-04	2.3689-02	3.6406+04	4.7449-04	3.7770+00
41	450.43	3.3782+00	5.3028-01	1.5460-03	5.3028-01	1.5460-03	6.8436-04	1.9683-02	3.0250+04	3.9434-04	4.1620+00
43	463.39	2.1610+00	3.6034-01	1.0602-03	3.6034-01	1.0602-03	4.6931-04	1.3498-02	2.0744+04	2.7057-04	5.3230+00
47	448.52	3.9616+00	6.3652-01	1.8532-03	6.3652-01	1.8532-03	8.2036-04	2.3595-02	3.6261+04	4.7267-04	7.1100-01
48	440.83	6.9953+00	1.1384+00	3.2968-03	1.1384+00	3.2968-03	1.4594-03	4.1973-02	6.4506+04	8.4055-04	1.0880+00
49	458.55	1.3744+01	2.2776+00	6.6782-03	2.2776+00	6.6782-03	2.9562-03	8.5025-02	1.3067+05	1.7040-03	1.3070+00
50	540.21	4.9899+01	8.7662+00	2.7277-02	8.7662+00	2.7277-02	1.2074-02	3.4728-01	5.3371+05	6.9853-03	1.6410+00
51	535.71	4.2069+01	7.4355+00	2.3058-02	7.4355+00	2.3058-02	1.0207-02	2.9357-01	4.5117+05	5.9037-03	1.7720+00
52	495.21	4.7636+00	8.2076-01	2.4705-03	8.2076-01	2.4705-03	1.0936-03	3.1453-02	4.8338+04	6.3137-04	2.4660+00
53	463.45	5.4296+00	8.9260-01	2.6245-03	8.9260-01	2.6245-03	1.1618-03	3.3415-02	5.1353+04	6.6981-04	3.0090+00
54	448.48	4.4535+00	7.1554-01	2.0833-03	7.1554-01	2.0833-03	9.2218-04	2.6524-02	4.0762+04	5.3133-04	3.3930+00
55	446.07	3.6831+00	5.8001-01	1.6858-03	5.8001-01	1.6858-03	7.4625-04	2.1464-02	3.2986+04	4.2992-04	3.7770+00
56	451.44	1.8629+00	2.8624-01	8.3509-04	2.8624-01	8.3509-04	3.6966-04	1.0632-02	1.6340+04	2.1362-04	4.1100-01
57	449.03	4.2452+00	6.7818-01	1.9753-03	6.7818-01	1.9753-03	8.7437-04	2.5148-02	3.8649+04	5.0380-04	7.1100-01
58	448.77	7.1553+00	1.1708+00	3.4096-03	1.1708+00	3.4096-03	1.5093-03	4.3409-02	6.6713+04	8.6961-04	1.0880+00
59	460.11	1.4001+01	2.3156+00	6.7471-03	2.3156+00	6.7471-03	3.0088-03	8.6538-02	1.3299+05	1.7344-03	1.3070+00
60	545.21	5.4159+01	9.4875+00	2.9632-02	9.4875+00	2.9632-02	1.3117-02	3.7727-01	5.7980+05	7.5902-03	1.6410+00
61	453.79	3.9538+00	6.4337-01	1.8801-03	6.4337-01	1.8801-03	8.3226-04	2.3937-02	3.6788+04	4.7963-04	3.3930+00
62	442.48	3.7600+00	6.0162-01	1.7443-03	6.0162-01	1.7443-03	7.7212-04	2.2208-02	3.4129+04	4.4476-04	3.3930+00
63	444.20	3.4171+00	5.3743-01	1.5600-03	5.3743-01	1.5600-03	6.9057-04	1.9862-02	3.0524+04	3.9781-04	3.7770+00
64	445.67	7.5558+00	1.2595+00	3.6599-03	1.2595+00	3.6599-03	1.6201-03	4.6596-02	7.1610+04	9.3332-04	1.0880+00
65	456.40	1.3825+01	2.3215+00	6.7967-03	2.3215+00	6.7967-03	3.0086-03	8.6533-02	1.3299+05	1.7341-03	1.3070+00
66	542.60	5.4742+01	9.7164+00	3.0288-02	9.7164+00	3.0288-02	1.3467-02	3.8561-01	5.9262+05	7.7571-03	1.6410+00
69	446.70	2.4956+00	4.1636-01	1.2105-03	4.1630-01	1.2105-03	5.3585-04	1.5412-02	2.3686+04	3.0872-04	4.1100-01
70	445.25	4.3501+00	7.2494-01	2.1059-03	7.2494-01	2.1059-03	9.3219-04	2.6811-02	4.1204+04	5.3702-04	7.1100-01
71	463.14	1.3567+01	2.2819+00	6.7125-03	2.2819+00	6.7125-03	2.9714-03	8.5461-02	1.3134+05	1.7131-03	1.3070+00
72	544.40	5.4561+01	9.6949+00	3.0262-02	9.6949+00	3.0262-02	1.3396-02	3.8528-01	5.9211+05	7.7511-03	1.6410+00
73	455.26	3.8057+00	6.1430-01	1.7970-03	6.1430-01	1.7970-03	7.9547-04	2.2879-02	3.5161+04	4.5846-04	3.7770+00
74	471.08	1.8717+00	3.1006-01	9.1705-04	3.1060-01	9.1705-04	4.0594-04	1.1676-02	1.7943+04	2.3412-04	5.3230+00
77	468.93	4.9470+00	8.3041-01	2.4528-03	8.3041-01	2.4528-03	1.0858-03	3.1228-02	4.7993+04	6.2614-04	3.0090+00
78	454.72	3.9979+00	6.5685-01	1.9208-03	6.5685-01	1.9208-03	8.5025-04	2.4455-02	3.7583+04	4.9002-04	3.3930+00
79	450.61	3.1844+00	5.1238-01	1.4940-03	5.1238-01	1.4940-03	6.6134-04	1.9021-02	2.9233+04	3.8108-04	3.7770+00
80	520.58	1.1897+01	2.0892+00	6.4063-03	2.0892+00	6.4063-03	2.8358-03	8.1562-02	1.2535+05	1.6391-03	2.4660+00
81	478.08	5.0509+00	8.5303-01	2.5361-03	8.5303-01	2.5361-03	1.1226-03	3.2289-02	4.9623+04	6.4766-04	3.0090+00
82	460.42	4.1439+00	6.8551-01	2.0127-03	6.8551-01	2.0127-03	8.9093-04	2.5625-02	3.9381+04	5.1359-04	3.3930+00
83	451.82	3.1944+00	5.2073-01	1.5196-03	5.2073-01	1.5196-03	6.7269-04	1.9348-02	2.9734+04	3.8764-04	3.7770+00
337	557.02	1.6396+01	3.2169+00	1.0144-02	3.2189+00	1.0144-02	4.4904-03	1.2915-01	1.9848+05	2.5998-03	7.1680+00
339	560.07	1.4143+01	2.8409+00	8.9736-03	2.8409+00	8.9736-03	3.9723-03	1.1425-01	1.7558+05	2.3001-03	8.1130+00
340	499.95	3.8109+00	7.2217-01	2.1812-03	7.2217-01	2.1812-03	9.6554-04	2.7770-02	4.2678+04	5.5757-04	8.6180+00
342	556.12	1.4689+01	2.9745+00	9.3673-03	2.9745+00	9.3673-03	4.1465-03	1.1926-01	1.8328+05	2.4006-03	7.1680+00
344	552.44	1.5188+01	3.0527+00	9.5868-03	3.0527+00	9.5868-03	4.2437-03	1.2206-01	1.8758+05	2.4565-03	8.1130+00
347	527.70	1.3964+01	2.6929+00	8.3011-03	2.6929+00	8.3011-03	3.6746-03	1.0569-01	1.6242+05	2.1266-03	7.1680+00
349	524.48	1.5522+01	3.0550+00	9.4073-03	3.0550+00	9.4073-03	4.1643-03	1.1977-01	1.8407+05	2.4074-03	8.1130+00
350	474.80	4.1579+00	7.3412-01	2.1853-03	7.3412-01	2.1853-03	9.6733-04	2.7822-02	4.2758+04	5.5811-04	8.6180+00
352	520.70	1.6068+01	3.0111+00	9.2340-03	3.0111+00	9.2340-03	4.0875-03	1.1756-01	1.8068+05	2.3626-03	7.1680+00
354	514.72	1.5660+01	3.0595+00	9.3413-03	3.0595+00	9.3413-03	4.1350-03	1.1893-01	1.8278+05	2.3894-03	8.1130+00
357	521.19	1.2269+01	2.2824+00	7.0019-03	2.2824+00	7.0019-03	3.0995-03	8.9146-02	1.3700+05	1.7916-03	7.1680+00
359	521.16	1.6096+01	2.9513+00	9.0538-03	2.9513+00	9.0538-03	4.0078-03	1.1527-01	1.7715+05	2.3166-03	8.1130+00
401	458.90	5.1995+00	4.3218-01	1.2675-03	4.3218-01	1.2675-03	5.6109-04	1.6138-02	2.4801+04	3.2343-04	4.5500-01
403	461.83	5.7481+00	4.7306-01	1.3903-03	4.7306-01	1.3903-03	6.1543-04	1.7701-02	2.7203+04	3.5480-04	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.3479-06	-5.6973-03	-4.3479-06	-1.9246-06	-5.5356-05	-8.5072+01	-9.5718-07	8.0100-01
405	473.51	1.0189+01	8.4514-01	2.5045-03	8.4514-01	2.5045-03	1.1086-03	3.1886-02	4.9003+04	6.3945-04	1.0510+00
406	481.35	1.3119+01	1.1004+00	3.2791-03	1.1004+00	3.2791-03	1.4515-03	4.1749-02	6.4161+04	8.3753-04	1.1670+00
407	491.87	1.6754+01	1.4462+00	4.3246-03	1.4462+00	4.3246-03	1.9143-03	5.5059-02	8.4617+04	1.1051-03	1.2830+00
408	464.12	7.0831+00	5.7685-01	1.6981-03	5.7685-01	1.6981-03	7.5166-04	2.1619-02	3.3225+04	4.3338-04	5.1300-01
409	464.13	8.1579+00	6.7646-01	1.9913-03	6.7646-01	1.9913-03	8.8147-04	2.5353-02	3.8963+04	5.0822-04	5.7000-01
410	466.65	7.6629+00	6.1376-01	1.8099-03	6.1376-01	1.8099-03	8.0119-04	2.3044-02	3.5414+04	4.6199-04	6.2800-01
411	470.22	9.0660+00	7.5463-01	2.2316-03	7.5483-01	2.2316-03	9.8785-04	2.8412-02	4.3665+04	5.6970-04	6.8600-01
412	470.32	6.9013+00	5.7122-01	1.6889-03	5.7122-01	1.6889-03	7.4761-04	2.1502-02	3.3046+04	4.3116-04	7.4400-01
413	470.90	9.7455+00	8.1661-01	2.4154-03	8.1661-01	2.4154-03	1.0692-03	3.0753-02	4.7261+04	6.1665-04	8.0100-01
414	470.43	8.9881+00	7.4399-01	2.1999-03	7.4399-01	2.1999-03	9.7382-04	2.8009-02	4.3044+04	5.6162-04	8.5900-01
415	475.24	1.0278+01	8.5865-01	2.5476-03	8.5865-01	2.5476-03	1.1277-03	3.2436-02	4.9848+04	6.5053-04	9.1700-01
416	470.55	8.0473+00	6.2229-01	1.8402-03	6.2229-01	1.8402-03	8.1459-04	2.3429-02	3.6006+04	4.6979-04	5.7000-01
417	480.35	1.2486+01	1.0404+00	3.0982-03	1.0404+00	3.0982-03	1.3714-03	3.9445-02	6.0620+04	7.9128-04	1.0520+00

[redacted]

26 1 6.98 -5.02 .00 -.00 402 11 1.90 10.13 748.9 1779.4

8.62741+01 1.56670-02 1.12536+00 4.61043+03 1.52358-05 6.98820-08 8.43286-02 7.72000+00 7.24604-06 7.44530-02

1	447.48	8.2753+00	1.3812+00	4.0681-03	1.3812+00	4.0681-03	1.8000-03	5.1550-02	8.0461+04	1.0370-03	4.1100-01
2	460.33	4.9076+01	8.2630+00	2.4561-02	8.2630+00	2.4561-02	1.0868-02	3.1123-01	4.8579+05	6.2643-03	7.1100-01
3	452.82	3.1186+01	5.2241+00	1.5445-02	5.2241+00	1.5445-02	6.8342-03	1.9572-01	3.0549+05	3.9381-03	1.3070+00
4	475.39	4.7141+01	8.0176+00	2.4091-02	8.0176+00	2.4091-02	1.0660-02	3.0527-01	4.7648+05	6.1484-03	1.6410+00
5	487.32	3.6635+01	6.5736+00	1.9924-02	6.5736+00	1.9924-02	8.8158-03	2.5247-01	3.9407+05	5.0877-03	1.7720+00
6	502.96	7.6073+00	1.2980+00	3.9795-03	1.2980+00	3.9795-03	1.7608-03	5.0427-02	7.8710+04	1.0169-03	2.4660+00
7	465.78	3.1636+00	5.2524-01	1.5673-03	5.2524-01	1.5673-03	6.9351-04	1.9861-02	3.1000+04	3.9985-04	3.0090+00
8	450.50	6.1771+00	1.0059+00	2.9692-03	1.0059+00	2.9692-03	1.3138-03	3.7624-02	5.8726+04	7.5697-04	3.3930+00
9	445.13	5.9439+00	9.6438-01	2.8357-03	9.6438-01	2.8357-03	1.2547-03	3.5934-02	5.6087+04	7.2278-04	3.7770+00
10	465.28	5.2083+00	8.5928-01	2.5632-03	8.5928-01	2.5632-03	1.1341-03	3.2480-02	5.0697+04	6.5389-04	5.3230+00
14	450.87	3.9106+01	6.5422+00	1.9315-02	6.5422+00	1.9315-02	8.5465-03	2.4476-01	3.8203+05	4.9244-03	1.0880+00
15	461.01	6.4708+01	1.0900+01	3.2415-02	1.0900+01	3.2415-02	1.4343-02	4.1075-01	6.4112+05	8.2677-03	1.3070+00
16	478.67	7.1785+01	1.2235+01	3.6852-02	1.2235+01	3.6852-02	1.6306-02	4.6698-01	7.2888+05	9.4067-03	1.6410+00
19	454.02	4.9444+00	7.5380-01	2.2305-03	7.5380-01	2.2305-03	9.8696-04	2.8265-02	4.4117+04	5.6875-04	4.1100-01
20	454.14	2.2856+01	3.6529+00	1.0810-02	3.6529+00	1.0810-02	4.7832-03	1.3698-01	2.1381+05	2.7564-03	7.1100-01
21	454.74	5.0172+01	8.1449+00	2.4114-02	8.1449+00	2.4114-02	1.0670-02	3.0556-01	4.7694+05	6.1487-03	1.0880+00
22	457.54	6.6625+01	1.0902+01	3.2341-02	1.0902+01	3.2341-02	1.4310-02	4.0981-01	6.3966+05	8.2476-03	1.3070+00
23	586.14	-5.4546-02	-9.5275-03	-3.1127-05	-9.5275-03	-3.1127-05	-1.3773-05	-3.9443-04	-6.1565+02	-7.9845-06	1.6410+00
24	470.81	3.3694+00	5.5627-01	1.6660-03	5.5527-01	1.6660-03	7.3714-04	2.1110-02	3.2950+04	4.2510-04	3.0090+00
25	459.57	2.5730+00	4.1147-01	1.2224-03	4.1147-01	1.2224-03	5.4088-04	1.5490-02	2.4178+04	3.1177-04	3.3930+00
26	453.73	2.4494+00	3.9255-01	1.1613-03	3.9255-01	1.1613-03	5.1386-04	1.4716-02	2.2970+04	2.9611-04	3.7770+00
27	469.14	5.0073+01	8.0842+00	2.4182-02	8.0842+00	2.4182-02	1.0700-02	3.0642-01	4.7828+05	6.1699-03	7.1100-01
28	457.23	5.3123+01	8.6386+00	2.5621-02	8.6386+00	2.5621-02	1.1336-02	3.2466-01	5.0674+05	6.5337-03	1.0880+00
29	465.79	6.7257+01	1.1166+01	3.3321-02	1.1166+01	3.3321-02	1.4744-02	4.2223-01	6.5904+05	8.5006-03	1.3070+00
30	483.39	7.3054+01	1.2308+01	3.7197-02	1.2308+01	3.7197-02	1.6459-02	4.7135-01	7.3572+05	9.4969-03	1.6410+00
31	482.88	3.3543+01	5.7331+00	1.7320-02	5.7331+00	1.7320-02	7.6638-03	2.1948-01	3.4257+05	4.4220-03	1.7720+00
32	506.00	9.0358+00	1.5447+00	4.7467-03	1.5447+00	4.7467-03	2.1003-03	6.0148-02	9.3883+04	1.2131-03	2.4660+00
33	472.27	4.1127+00	6.8987-01	2.0682-03	6.8987-01	2.0682-03	9.1512-04	2.6208-02	4.0906+04	5.2777-04	3.0090+00
34	456.06	2.9548+00	4.8301-01	1.4313-03	4.8301-01	1.4313-03	6.3333-04	1.8137-02	2.8310+04	3.6500-04	3.3930+00
35	450.57	2.7475+00	4.2864-01	1.2653-03	4.2864-01	1.2653-03	5.5985-04	1.6033-02	2.5025+04	3.2257-04	3.7770+00
36	468.27	6.6148+01	1.0870+01	3.2493-02	1.0870+01	3.2493-02	1.4377-02	4.1175-01	6.4268+05	8.2904-03	1.3070+00
37	507.78	9.1756+00	1.5891+00	4.8893-03	1.5891+00	4.8893-03	2.1634-03	6.1955-02	9.6703+04	1.2496-03	2.4660+00
38	470.89	3.3958+00	5.6068-01	1.6792-03	5.6068-01	1.6792-03	7.4301-04	2.1279-02	3.3213+04	4.2849-04	3.0090+00
39	453.43	3.8192+00	6.1946-01	1.8322-03	6.1946-01	1.8322-03	8.1072-04	2.3218-02	3.6239+04	4.6718-04	3.3930+00
40	449.19	4.0426+00	6.4786-01	1.9105-03	6.4786-01	1.9105-03	8.4535-04	2.4209-02	3.7787+04	4.8704-04	3.7770+00
41	452.23	2.7345+00	4.2978-01	1.2701-03	4.2978-01	1.2701-03	5.6200-04	1.6095-02	2.5121+04	3.2383-04	4.1620+00
43	465.88	2.0764+00	3.4681-01	1.0350-03	3.4681-01	1.0350-03	4.5794-04	1.3115-02	2.0470+04	2.6403-04	5.3230+00
47	461.54	2.4670+01	3.9991+00	1.1897-02	3.9991+00	1.1897-02	5.2642-03	1.5076-01	2.3531+05	3.0346-03	7.1100-01
48	461.02	4.0648+01	6.7070+00	1.9946-02	6.7070+00	1.9946-02	8.8255-03	2.5275-01	3.9450+05	5.0874-03	1.0880+00
49	468.26	6.8967+01	1.1503+01	3.4388-02	1.1503+01	3.4388-02	1.5216-02	4.3575-01	6.8014+05	8.7736-03	1.3070+00
50	497.67	6.3430+01	1.0850+01	3.3136-02	1.0850+01	3.3136-02	1.4662-02	4.1989-01	6.5539+05	8.4653-03	1.6410+00
51	494.12	2.6902+01	4.6319+00	1.4109-02	4.6319+00	1.4109-02	6.2428-03	1.7878-01	2.7905+05	3.6038-03	1.7720+00
52	489.89	2.4379+00	4.1860-01	1.2711-03	4.1860-01	1.2711-03	5.6244-04	1.6107-02	2.5141+04	3.2462-04	2.4660+00
53	464.38	3.5860+00	5.8949-01	1.7573-03	5.8949-01	1.7573-03	7.7756-04	2.2268-02	3.4757+04	4.4828-04	3.0090+00
54	450.21	3.1143+00	5.0096-01	1.4784-03	5.0096-01	1.4784-03	6.5414-04	1.8734-02	2.9240+04	3.7690-04	3.3930+00
55	446.91	2.1288+00	3.3544-01	9.8759-04	3.3544-01	9.8759-04	4.3698-04	1.2514-02	1.9533+04	2.5174-04	3.7770+00
56	453.44	1.8514+00	2.8487-01	8.4260-04	2.8487-01	8.4260-04	3.7283-04	1.0677-02	1.6665+04	2.1484-04	4.1100-01
57	453.82	9.5371+00	1.5286+00	4.5225-03	1.5286+00	4.5225-03	2.0011-03	5.7308-02	8.9450+04	1.1531-03	7.1100-01
58	442.24	9.6119+00	1.5658+00	4.5947-03	1.5658+00	4.5947-03	2.0330-03	5.8223-02	9.0878+04	1.1710-03	1.0880+00
59	444.35	1.6091+01	2.6328+00	7.7375-03	2.6328+00	7.7375-03	3.4236-03	9.8047-02	1.5304+05	1.9721-03	1.3070+00
60	498.88	6.5125+01	1.1083+01	3.3877-02	1.1083+01	3.3877-02	1.4990-02	4.2928-01	6.7005+05	8.6552-03	1.6410+00
61	460.15	2.8764+00	4.7068-01	1.3971-03	4.7068-01	1.3971-03	6.1817-04	1.7703-02	2.7632+04	3.5632-04	3.0090+00
62	448.48	3.8582+00	6.1989-01	1.8271-03	6.1989-01	1.8271-03	8.0845-04	2.3153-02	3.6138+04	4.6577-04	3.3930+00
63	448.92	2.9366+00	4.6336-01	1.3662-03	4.6336-01	1.3662-03	6.0449-04	1.7312-02	2.7021+04	3.4827-04	3.7770+00
64	439.08	5.1216+00	8.4985-01	2.4883-03	8.4985-01	2.4883-03	1.1010-03	3.1532-02	4.9216+04	6.3407-04	1.0880+00
65	439.62	6.6431+00	1.1027+00	3.2300-03	1.1027+00	3.2300-03	1.4292-03	4.0930-02	6.3886+04	8.2308-04	1.3070+00
66	473.51	1.5343+01	2.6063+00	7.8206-03	2.6063+00	7.8206-03	3.4604-03	9.9101-02	1.5468+05	1.9958-03	1.6410+00
69	451.63	2.9735+00	4.9770-01	1.4702-03	4.9770-01	1.4702-03	6.5054-04	1.8630-02	2.9079+04	3.7484-04	4.1100-01
70	441.54	1.9465+00	3.2355-01	9.4898-04	3.2355-01	9.4898-04	4.1990-04	1.2025-02	1.8770+04	2.4184-04	7.1100-01
71	444.19	3.3070+00	5.4909-01	1.6135-03	5.4909-01	1.6135-03	7.1394-04	2.0446-02	3.1913+04	4.1124-04	1.3070+00
72	470.36	5.3304+00	9.0355-01	2.7051-03	9.0355-01	2.7051-03	1.1969-03	3.4278-02	5.3503+04	6.9024-04	1.6410+00
73	458.85	2.6099+00	4.2230-01	1.2539-03	4.2230-01	1.2539-03	5.5483-04	1.5889-02	2.4801+04	3.1979-04	3.7770+00
74	475.94	1.7969+00	2.9857-01	8.9748-04	2.9857-01	8.9748-04	3.9711-04	1.1373-02	1.7751+04	2.2906-04	5.3230+00
77	456.89	3.8862+00	6.4708-01	1.9187-03	6.4708-01	1.9187-03	8.4896-04	2.4313-02	3.7949+04	4.8929-04	3.0090+00
78	447.54	5.0104+00	8.1917-01	2.4129-03	8.1917-01	2.4129-03	1.0676-03	3.0575-02	4.7723+04	6.1506-04	3.3930+00
79	448.04	4.7839+00	7.6839-01	2.2641-03	7.6839-01	2.2641-03	1.0018-03	2.8690-02	4.4781+04	5.7715-04	3.7770+00
80	503.58	8.1003+00	1.4073+00	4.3165-03	1.4073+00	4.3165-03	1.9100-03	5.4698-02	8.5375+04	1.1030-03	2.4660+00
81	463.05	3.6073+00	6.0314-01	1.7963-03	6.0314-01	1.7963-03	7.9480-04	2.2762-02	3.5528+04	4.5820-04	3.0090+00
82	448.02	4.3865+00	7.1954-01	2.1201-03	7.1954-01	2.1201-03	9.3809-04	2.6865-02	4.1933+04	5.4045-04	3.3930+00
83	445.05	4.3444+00	7.0483-01	2.0724-03	7.0483-01	2.0724-03	9.1699-04	2.6261-02	4.0990+04	5.2822-04	3.7770+00
337	539.19	2.7236+01	5.2897+00	1.6664-02	5.2897+00	1.6664-02	7.3734-03	2.1116-01	3.2959+05	4.2652-03	7.1680+00
339	534.02	9.2826+00	1.8355+00	5.7596-03	1.8355+00	5.7596-03	2.5485-03	7.2984-02	1.1392+05	1.4738-03	8.1130+00
340	485.27	2.2426+00	4.2095-01	1.2739-03	4.2095-01	1.2739-03	5.6368-04	1.6143-02	2.5197+04	3.2528-04	8.6180+00
342	538.39	2.1273+01	4.2617+00	1.3417-02	4.2617+00	1.3417-02	5.9369-03	1.7002-01	2.6538+05	3.4341-03	7.1680+00
344	537.11	9.3668+00	1.8653+00	5.8670-03	1.8653+00	5.8670-03	2.5960-03	7.4345-02	1.1604+05	1.5015-03	8.1130+00
347	530.42	1.6201+01	3.1295+00	9.7935-03	3.1295+00	9.7935-03	4.3334-03	1.2410-01	1.9370+05	2.5057-03	7.1680+00
349	531.44	9.6119+00	1.9025+00	5.9584-03	1.9025+00	5.9584-03	2.6364-03	7.5503-02	1.1785+05	1.5245-03	8.1130+00
350	484.28	2.3922+00	4.2361-01	1.2811-03	4.2361-01	1.2811-03	5.6684-04	1.6233-02	2.5338+04	3.2709-04	8.6180+00
352	540.20	1.2975+01	2.4669+00	7.7585-03	2.4609+00	7.7585-03	3.4329-03	9.8314-02	1.5345+05	1.9859-03	7.1680+00
354	541.51	1.1531+01	2.2905+00	7.2284-03	2.2905+00	7.2284-03	3.1984-03	9.1597-02	1.4297+05	1.8503-03	8.1130+00
357	537.26	7.3195+00	1.3820+00	4.3473-03	1.3820+00	4.3473-03	1.9236-03	5.5088-02	8.5985+04	1.1126-03	7.1680+00
359	542.44	8.2000+00	1.5234+00	4.8110-03	1.5234+00	4.8110-03	2.1287-03	6.0963-02	9.5154+04	1.2316-03	8.1130+00
401	466.63	1.8246+01	1.5246+00	4.5521-03	1.5246+00	4.5521-03	2.0142-03	5.7682-02	9.0034+04	1.1613-03	4.5500-01
403	486.21	4.5162+01	3.7775+00	1.1440-02	3.7775+00	1.1440-02	5.0618-03	1.4496-01	2.2626+05	2.9211-03	6.8600-01
404	360.27	-9.5183+01	-2.3844+00	-4.5052-03	-2.3844+00	-4.5052-03	-1.9934-03	-5.7089-02	-8.9107+04	-1.1144-03	8.0100-01
405	518.49	9.2157+01	7.8693+00	2.4406-02	7.8693+00	2.4406-02	1.0799-02	3.0927-01	4.8273+05	6.2410-03	1.0510+00
406	508.53	9.7500+01	8.3229+00	2.5622-02	8.3229+00	2.5622-02	1.1337-02	3.2468-01	5.0678+05	6.5490-03	1.1670+00
407	522.01	1.1335+02	9.9322+00	3.0886-02	9.9322+00	3.0886-02	1.3666-02	3.9138-01	6.1088+05	7.8992-03	1.2830+00
408	480.57	4.0544+01	3.3383+00	1.0068-02	3.3383+00	1.0068-02	4.4550-03	1.2758-01	1.9914+05	2.5702-03	5.1300-01
409	459.19	1.0628+01	8.7835-01	2.6087-03	8.7835-01	2.6087-03	1.1543-03	3.3057-02	5.1597+04	6.6532-04	5.7000-01
410	473.91	2.9030+01	2.3364+00	7.0128-03	2.3364+00	7.0128-03	3.1030-03	8.8865-02	1.3870+05	1.7897-03	6.2800-01
411	460.79	1.1343+01	9.3849-01	2.7905-03	9.3849-01	2.7905-03	1.2347-03	3.5360-02	5.5192+04	7.1173-04	6.8600-01
412	480.77	3.0043+01	2.5039+00	7.5531-03	2.5039+00	7.5531-03	3.3421-03	9.5711-02	1.4939+05	1.9282-03	7.4400-01
413	461.76	1.5510+01	1.2917+00	3.8434-03	1.2917+00	3.8434-03	1.7006-03	4.8702-02	7.6017+04	9.8032-04	8.0100-01
414	485.41	5.1354+01	4.2931+00	1.2994-02	4.2931+00	1.2994-02	5.7495-03	1.6466-01	2.5700+05	3.3178-03	8.5900-01
415	464.00	2.2684+01	1.8808+00	5.6053-03	1.8808+00	5.6053-03	2.4802-03	7.1028-02	1.1086+05	1.4299-03	9.1700-01
416	481.36	3.7043+01	2.8851+00	8.7066-03	2.8851+00	8.7066-03	3.8524-03	1.1033-01	1.7221+05	2.2227-03	5.7000-01
417	502.59	8.0745+01	6.8257+00	2.0921-02	6.8257+00	2.0921-02	9.2570-03	2.6511-01	4.1379+05	5.3459-03	1.0520+00

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26 1 6.96 -5.04 .00 -.00 402 11 2.15 10.13 748.9 1779.6

8.62831+01 1.56667-02 1.12535+00 4.61067+03 1.52340-05 6.98894-08 8.43140-02 7.72000+00 7.24690-06 7.44520-02

1	449.64	8.7730+00	1.4664+00	4.3282-03	1.4664+00	4.3282-03	1.9152-03	5.4845-02	8.5595+04	1.1026-03	4.1100-01
2	472.63	4.8842+01	8.2916+00	2.4879-02	8.2916+00	2.4879-02	1.1009-02	3.1526-01	4.9202+05	6.3444-03	7.1100-01
3	460.20	3.0092+01	5.0662+00	1.5066-02	5.0662+00	1.5066-02	6.6668-03	1.9091-01	2.9795+05	3.8399-03	1.3070+00
4	487.01	4.6482+01	7.9661+00	2.4153-02	7.9661+00	2.4153-02	1.0688-02	3.0606-01	4.7766+05	6.1631-03	1.6410+00
5	496.46	3.6351+01	6.5614+00	2.0032-02	6.5614+00	2.0032-02	8.8644-03	2.5384-01	3.9617+05	5.1138-03	1.7720+00
6	504.91	8.0930+00	1.3826+00	4.2476-03	1.3826+00	4.2476-03	1.8796-03	5.3824-02	8.4001+04	1.0847-03	2.4660+00
7	466.59	3.2675+00	5.4279-01	1.6216-03	5.4279-01	1.6216-03	7.1755-04	2.0548-02	3.2069+04	4.1340-04	3.0090+00
8	452.00	6.0639+00	9.8850-01	2.9225-03	9.8850-01	2.9225-03	1.2932-03	3.7033-02	5.7796+04	7.4460-04	3.3930+00
9	446.62	5.9273+00	9.6267-01	2.8353-03	9.6267-01	2.8353-03	1.2546-03	3.5928-02	5.6072+04	7.2222-04	3.7770+00
10	466.57	5.2042+00	8.5933-01	2.5672-03	8.5933-01	2.5672-03	1.1360-03	3.2531-02	5.0770+04	6.5448-04	5.3230+00
14	460.66	3.9396+01	6.6349+00	1.9738-02	6.6349+00	1.9738-02	8.7340-03	2.5011-01	3.9034+05	5.0306-03	1.0880+00
15	476.98	6.3032+01	1.0732+01	3.2301-02	1.0732+01	3.2301-02	1.4294-02	4.0931-01	6.3880+05	8.2387-03	1.3070+00
16	496.41	6.9818+01	1.2039+01	3.6754-02	1.2039+01	3.6754-02	1.6264-02	4.6573-01	7.2685+05	9.3822-03	1.6410+00
19	455.28	5.0161+00	7.6539-01	2.2682-03	7.6539-01	2.2682-03	1.0037-03	2.8742-02	4.4856+04	5.7797-04	4.1100-01
20	460.02	2.3629+01	3.7915+00	1.1274-02	3.7915+00	1.1274-02	4.9887-03	1.4286-01	2.2296+05	2.8734-03	7.1100-01
21	467.32	4.9484+01	8.1016+00	2.4216-02	8.1016+00	2.4216-02	1.0716-02	3.0686-01	4.7890+05	6.1739-03	1.0880+00
22	473.99	6.4653+01	1.0697+01	3.2127-02	1.0697+01	3.2127-02	1.4216-02	4.0711-01	6.3536+05	8.1932-03	1.3070+00
23	586.18	1.3922-01	2.4319-02	7.9504-05	2.4319-02	7.9504-05	3.5181-05	1.0075-03	1.5723+03	2.0378-05	1.6410+00
24	471.65	3.4260+00	5.6594-01	1.6969-03	5.6594-01	1.6969-03	7.5088-04	2.1502-02	3.3558+04	4.3270-04	3.0090+00
25	460.21	2.6332+00	4.2129-01	1.2529-03	4.2129-01	1.2529-03	5.5439-04	1.5876-02	2.4777+04	3.1932-04	3.3930+00
26	454.33	2.4852+00	3.9846-01	1.1800-03	3.9846-01	1.1800-03	5.2215-04	1.4953-02	2.3336+04	3.0067-04	3.7770+00
27	481.74	4.9573+01	8.0705+00	2.4376-02	8.0705+00	2.4376-02	1.0786-02	3.0888-01	4.8207+05	6.2185-03	7.1100-01
28	470.54	5.2610+01	8.6321+00	2.5862-02	8.6321+00	2.5862-02	1.1444-02	3.2771-01	5.1145+05	6.5943-03	1.0880+00
29	482.18	6.5114+01	1.0929+01	3.3020-02	1.0929+01	3.3020-02	1.4611-02	4.1842-01	6.5301+05	8.4239-03	1.3070+00
30	501.55	7.1105+01	1.2122+01	3.7147-02	1.2122+01	3.7147-02	1.6438-02	4.7071-01	7.3462+05	9.4847-03	1.6410+00
31	491.52	3.4597+01	5.9468+00	1.8090-02	5.9468+00	1.8090-02	8.0049-03	2.2923-01	3.5775+05	4.6169-03	1.7720+00
32	508.31	9.4504+00	1.6180+00	4.9833-03	1.6180+00	4.9833-03	2.2051-03	6.3146-02	9.8551+04	1.2728-03	2.4660+00
33	473.28	4.0951+00	6.8737-01	2.0634-03	6.8737-01	2.0634-03	9.1307-04	2.6147-02	4.0807+04	5.2620-04	3.0090+00
34	456.77	2.9579+00	4.8376-01	1.4351-03	4.8376-01	1.4351-03	6.3503-04	1.8185-02	2.8381+04	3.6571-04	3.3930+00
35	451.26	2.5174+00	3.9292-01	1.1611-03	3.9292-01	1.1611-03	5.1377-04	1.4713-02	2.2961+04	2.9581-04	3.7770+00
36	484.38	6.3522+01	1.0550+01	3.1926-02	1.0550+01	3.1926-02	1.4128-02	4.0456-01	6.3139+05	8.1456-03	1.3070+00
37	510.17	9.6748+00	1.6781+00	5.1754-03	1.6781+00	5.1754-03	2.2901-03	6.5581-02	1.0235+05	1.3219-03	2.4660+00
38	471.73	3.4722+00	5.7361-01	1.7200-03	5.7361-01	1.7200-03	7.6110-04	2.1795-02	3.4015+04	4.3859-04	3.0090+00
39	454.39	4.1257+00	6.6960-01	1.9831-03	6.6960-01	1.9831-03	8.7751-04	2.5129-02	3.9218+04	5.0530-04	3.3930+00
40	450.20	3.9112+00	6.2723-01	1.8521-03	6.2723-01	1.8521-03	8.1954-04	2.3469-02	3.6627+04	4.7183-04	3.7770+00
41	452.92	2.9122+00	4.5791-01	1.3547-03	4.5791-01	1.3547-03	5.9946-04	1.7166-02	2.6791+04	3.4517-04	4.1620+00
43	466.39	2.0629+00	3.4467-01	1.0295-03	3.4467-01	1.0295-03	4.5557-04	1.3046-02	2.0360+04	2.6247-04	5.3230+00
47	467.80	2.4639+01	4.0110+00	1.1993-02	4.0110+00	1.1993-02	5.3070-03	1.5197-01	2.3718+05	3.0577-03	7.1100-01
48	471.69	4.2522+01	7.0665+00	2.1189-02	7.0665+00	2.1189-02	9.3761-03	2.6850-01	4.1904+05	5.4031-03	1.0880+00
49	485.82	6.8725+01	1.1597+01	3.5131-02	1.1597+01	3.5131-02	1.5546-02	4.4517-01	6.9476+05	8.9639-03	1.3070+00
50	513.53	6.2638+01	1.0824+01	3.3465-02	1.0824+01	3.3465-02	1.4808-02	4.2406-01	6.6182+05	8.5493-03	1.6410+00
51	501.03	2.7906+01	4.8262+00	1.4784-02	4.8262+00	1.4784-02	6.5420-03	1.8734-01	2.9238+05	3.7748-03	1.7720+00
52	490.52	2.4925+00	4.2814-01	1.3014-03	4.2814-01	1.3014-03	5.7590-04	1.6492-02	2.5738+04	3.3214-04	2.4660+00
53	465.28	3.6109+00	5.9395-01	1.7728-03	5.9395-01	1.7728-03	7.8445-04	2.2464-02	3.5059+04	4.5192-04	3.0090+00
54	451.01	2.9190+00	4.6980-01	1.3880-03	4.6980-01	1.3880-03	6.1419-04	1.7588-02	2.7449+04	3.5362-04	3.3930+00
55	447.44	2.1366+00	3.3679-01	9.9250-04	3.3679-01	9.9250-04	4.3919-04	1.2577-02	1.9628+04	2.5282-04	3.7770+00
56	453.78	1.7933+00	2.7598-01	8.1698-04	2.7598-01	8.1698-04	3.6152-04	1.0353-02	1.6157+04	2.0817-04	4.1100-01
57	456.30	1.0012+01	1.6075+00	4.7671-03	1.6075+00	4.7671-03	2.1094-03	6.0407-02	9.4275+04	1.2148-03	7.1100-01
58	444.72	9.9943+00	1.6308+00	4.7968-03	1.6308+00	4.7968-03	2.1226-03	6.0783-02	9.4862+04	1.2217-03	1.0880+00
59	448.63	1.7036+01	2.7957+00	8.2459-03	2.7957+00	8.2459-03	3.6488-03	1.0449-01	1.6307+05	2.1006-03	1.3070+00
60	515.63	6.5847+01	1.1326+01	3.5073-02	1.1326+01	3.5073-02	1.5520-02	4.4444-01	6.9362+05	8.9609-03	1.6410+00
61	460.89	2.9273+00	4.7864-01	1.4241-03	4.7864-01	1.4241-03	6.3017-04	1.8046-02	2.8163+04	3.6297-04	3.0090+00
62	449.44	3.8800+00	6.2381-01	1.8409-03	6.2381-01	1.8409-03	8.1462-04	2.3328-02	3.6407+04	4.6899-04	3.3930+00
63	449.64	2.9081+00	4.5908-01	1.3550-03	4.5908-01	1.3550-03	5.9959-04	1.7170-02	2.6797+04	3.4519-04	3.7770+00
64	440.34	5.1455+00	8.5457-01	2.5058-03	8.5457-01	2.5058-03	1.1088-03	3.1753-02	4.9555+04	6.3811-04	1.0880+00
65	441.29	6.7605+00	1.1235+00	3.2967-03	1.1235+00	3.2967-03	1.4588-03	4.1774-02	6.5196+04	8.3954-04	1.3070+00
66	477.57	1.6288+01	2.7742+00	8.3538-03	2.7742+00	8.3538-03	3.6966-03	1.0586-01	1.6521+05	2.1307-03	1.6410+00
69	452.34	3.0042+00	5.0307-01	1.4877-03	5.0307-01	1.4877-03	6.5831-04	1.8852-02	2.9421+04	3.7904-04	4.1100-01
70	442.00	1.9205+00	3.1933-01	9.3744-04	3.1933-01	9.3744-04	4.1482-04	1.1879-02	1.8539+04	2.3874-04	7.1100-01
71	445.00	3.3023+00	5.4862-01	1.6140-03	5.4862-01	1.6140-03	7.1419-04	2.0452-02	3.1918+04	4.1108-04	1.3070+00
72	471.66	5.2473+00	8.9023-01	2.6693-03	8.9023-01	2.6693-03	1.1812-03	3.3824-02	5.2788+04	6.8066-04	1.6410+00
73	459.48	2.5314+00	4.0978-01	1.2180-03	4.0978-01	1.2180-03	5.3897-04	1.5434-02	2.4087+04	3.1042-04	3.7770+00
74	476.35	1.6691+00	2.7741-01	8.3461-04	2.7741-01	8.3461-04	3.6932-04	1.0576-02	1.6505+04	2.1287-04	5.3230+00
77	457.88	3.9673+00	6.6102-01	1.9625-03	6.6102-01	1.9625-03	8.6841-04	2.4868-02	3.8811+04	5.0013-04	3.0090+00
78	448.76	4.9829+00	8.1535-01	2.4050-03	8.1535-01	2.4050-03	1.0642-03	3.0476-02	4.7563+04	6.1267-04	3.3930+00
79	449.25	4.8229+00	7.7529-01	2.2877-03	7.7529-01	2.2877-03	1.0123-03	2.8989-02	4.5242+04	5.8279-04	3.7770+00
80	505.66	8.5299+00	1.4839+00	4.5613-03	1.4839+00	4.5613-03	2.0184-03	5.7799-02	9.0205+04	1.1648-03	2.4660+00
81	463.95	3.6525+00	6.1107-01	1.8221-03	6.1107-01	1.8221-03	8.0629-04	2.3089-02	3.6034+04	4.6448-04	3.0090+00
82	449.10	4.3158+00	7.0848-01	2.0903-03	7.0848-01	2.0903-03	9.2497-04	2.6488-02	4.1339+04	5.3251-04	3.3930+00
83	446.12	4.2956+00	6.9742-01	2.0534-03	6.9742-01	2.0534-03	9.0862-04	2.6020-02	4.0608+04	5.2302-04	3.7770+00
337	545.99	2.7081+01	5.2814+00	1.6734-02	5.2814+00	1.6734-02	7.4051-03	2.1205-01	3.3095+05	4.2814-03	7.1680+00
339	536.36	9.4618+00	1.8736+00	5.8932-03	1.8736+00	5.8932-03	2.6078-03	7.4677-02	1.1655+05	1.5071-03	8.1130+00
340	485.83	2.3070+00	4.3320-01	1.3123-03	4.3320-01	1.3123-03	5.8070-04	1.6629-02	2.5953+04	3.3484-04	8.6180+00
342	543.73	2.1266+01	4.2742+00	1.3520-02	4.2742+00	1.3520-02	5.9825-03	1.7132-01	2.6737+05	3.4585-03	7.1680+00
344	539.45	9.4203+00	1.8787+00	5.9230-03	1.8787+00	5.9230-03	2.6210-03	7.5055-02	1.1714+05	1.5149-03	8.1130+00
347	534.39	1.5963+01	3.0912+00	9.7085-03	3.0912+00	9.7085-03	4.2961-03	1.2302-01	1.9200+05	2.4825-03	7.1680+00
349	533.81	9.4634+00	1.8759+00	5.8889-03	1.8759+00	5.8889-03	2.6059-03	7.4623-02	1.1646+05	1.5058-03	8.1130+00
350	484.87	2.3242+00	4.1172-01	1.2464-03	4.1172-01	1.2464-03	5.5152-04	1.5794-02	2.4649+04	3.1860-04	8.6180+00
352	543.11	1.2102+01	2.2994+00	7.2699-03	2.2994+00	7.2699-03	3.2170-03	9.2122-02	1.4377+05	1.8597-03	7.1680+00
354	543.90	9.9190+00	1.9732+00	6.2422-03	1.9732+00	6.2422-03	2.7622-03	7.9049-02	1.2345+05	1.5969-03	8.1130+00
357	538.38	5.3413+00	1.0092+00	3.1792-03	1.0092+00	3.1792-03	1.4068-03	4.0287-02	6.2874+04	8.1310-04	7.1680+00
359	543.55	4.8956+00	9.1011-01	2.8784-03	9.1011-01	2.8784-03	1.2737-03	3.6474-02	5.6924+04	7.3632-04	8.1130+00
401	471.23	1.8431+01	1.5447+00	4.6303-03	1.5447+00	4.6303-03	2.0489-03	5.8674-02	9.1571+04	1.1807-03	4.5500-01
403	497.24	4.2978+01	3.6206+00	1.1060-02	3.6206+00	1.1060-02	4.8942-03	1.4015-01	2.1873+05	2.8235-03	6.8600-01
404	385.04	-1.3494+02	-3.0960+00	-5.7898-03	-3.0960+00	-5.7898-03	-2.3620-03	-7.3366-02	-1.1450+05	-1.4303-03	8.0100-01
405	541.09	8.7552+01	7.5812+00	2.3932-02	7.5812+00	2.3932-02	1.0590-02	3.0326-01	4.7329+05	6.1214-03	1.0510+00
406	532.97	9.5369+01	8.2664+00	2.5934-02	8.2664+00	2.5934-02	1.1476-02	3.2863-01	5.1289+05	6.6312-03	1.1670+00
407	549.65	1.0757+02	9.5872+00	3.0463-02	9.5872+00	3.0463-02	1.3480-02	3.8602-01	6.0245+05	7.7951-03	1.2830+00
408	490.46	3.8910+01	3.2245+00	9.8012-03	3.2245+00	9.8012-03	4.3371-03	1.2420-01	1.9383+05	2.5013-03	5.1300-01
409	461.97	1.1508+01	9.5283-01	2.8371-03	9.5283-01	2.8371-03	1.2555-03	3.5952-02	5.6108+04	7.2316-04	5.7000-01
410	481.10	2.9097+01	2.3530+00	7.1036-03	2.3530+00	7.1036-03	3.1434-03	9.0014-02	1.4048+05	1.8121-03	6.2800-01
411	463.81	1.2427+01	1.0302+00	3.0717-03	1.0302+00	3.0717-03	1.3592-03	3.8924-02	6.0747+04	7.8301-04	6.8600-01
412	488.38	3.1103+01	2.6053+00	7.9070-03	2.6053+00	7.9070-03	3.4989-03	1.0020-01	1.5637+05	2.0177-03	7.4400-01
413	465.80	1.6687+01	1.3935+00	4.1608-03	1.3935+00	4.1608-03	1.8412-03	5.2724-02	8.2285+04	1.0607-03	8.0100-01
414	498.41	5.2559+01	4.4311+00	1.3548-02	4.4311+00	1.3548-02	5.9950-03	1.7167-01	2.6793+05	3.4587-03	8.5900-01
415	469.98	2.4100+01	2.0063+00	6.0083-03	2.0063+00	6.0083-03	2.6587-03	7.6135-02	1.1882+05	1.5320-03	9.1700-01
416	490.42	3.6323+01	2.8458+00	8.6500-03	2.8458+00	8.6500-03	3.8277-03	1.0961-01	1.7107+05	2.2075-03	5.7000-01
417	523.01	8.1554+01	6.9836+00	2.1746-02	6.9836+00	2.1746-02	9.6228-03	2.7556-01	4.3006+05	5.5578-03	1.0520+00

26 1 6.96 -5.04 .00 -.00 402 11 2.40 10.13 748.9 1779.2

8.62651+01 1.56672-02 1.12538+00 4.61019+03 1.52377-05 6.98747-08 8.43432-02 7.72000+00 7.24518-06 7.44540-02

1	451.86	9.4977+00	1.5960+00	4.6996-03	1.5960+00	4.6996-03	2.0793-03	5.9552-02	9.2962+04	1.1978-03	4.1100-01
2	484.85	4.8336+01	8.2723+00	2.5038-02	8.2723+00	2.5038-02	1.1078-02	3.1728-01	4.9528+05	6.3910-03	7.1100-01
3	467.72	3.0255+01	5.1195+00	1.5305-02	5.1195+00	1.5305-02	6.7714-03	1.9399-01	3.0274+05	3.9035-03	1.3070+00
4	498.61	4.6312+01	7.9970+00	2.4450-02	7.9970+00	2.4450-02	1.0818-02	3.0982-01	4.8365+05	6.2446-03	1.6410+00
5	505.51	3.5961+01	6.5289+00	2.0064-02	6.5289+00	2.0064-02	8.8770-03	2.5424-01	3.9688+05	5.1259-03	1.7720+00
6	507.01	8.5709+00	1.4662+00	4.5167-03	1.4662+00	4.5107-03	1.9957-03	5.7159-02	8.9227+04	1.1525-03	2.4660+00
7	467.42	3.3579+00	5.5812-01	1.6681-03	5.5812-01	1.6681-03	7.3805-04	2.1138-02	3.2997+04	4.2546-04	3.0090+00
8	453.47	6.1605+00	1.0053+00	2.9748-03	1.0053+00	2.9748-03	1.3162-03	3.7695-02	5.8844+04	7.5826-04	3.3930+00
9	448.11	5.9532+00	9.6788-01	2.8533-03	9.6788-01	2.8533-03	1.2624-03	3.6156-02	5.6440+04	7.2712-04	3.7770+00
10	467.85	5.1953+00	8.5861-01	2.5670-03	8.5861-01	2.5670-03	1.1358-03	3.2529-02	5.0779+04	6.5475-04	5.3230+00
14	470.56	3.9741+01	6.7374+00	2.0183-02	6.7374+00	2.0183-02	8.9296-03	2.5575-01	3.9923+05	5.1483-03	1.0880+00
15	492.57	6.1620+01	1.0599+01	3.2261-02	1.0599+01	3.2261-02	1.4274-02	4.0881-01	6.3816+05	8.2375-03	1.3070+00
16	513.58	6.8066+01	1.1866+01	3.6684-02	1.1866+01	3.6684-02	1.6231-02	4.6485-01	7.2565+05	9.3755-03	1.6410+00
19	456.54	5.0286+00	7.6795-01	2.2775-03	7.6795-01	2.2775-03	1.0076-03	2.8859-02	4.5050+04	5.8060-04	4.1100-01
20	466.08	2.4171+01	3.8943+00	1.1628-02	3.8943+00	1.1628-02	5.1449-03	1.4735-01	2.3002+05	2.9657-03	7.1100-01
21	479.57	4.8522+01	8.0092+00	2.4149-02	8.0092+00	2.4149-02	1.0685-02	3.0601-01	4.7769+05	6.1626-03	1.0880+00
22	489.89	6.3163+01	1.0560+01	3.2080-02	1.0560+01	3.2080-02	1.4194-02	4.0651-01	6.3458+05	8.1903-03	1.3070+00
23	586.25	1.5740-01	2.7495-02	8.9878-05	2.7495-02	8.9878-05	3.9766-05	1.1389-03	1.7779+03	2.3048-05	1.6410+00
24	472.51	3.4800+00	5.7519-01	1.7255-03	5.7519-01	1.7255-03	7.6342-04	2.1864-02	3.4131+04	4.4018-04	3.0090+00
25	460.87	2.7496+00	4.4010-01	1.3092-03	4.4010-01	1.3092-03	5.7926-04	1.6590-02	2.5898+04	3.3383-04	3.3930+00
26	454.96	2.6073+00	4.1821-01	1.2389-03	4.1821-01	1.2389-03	5.4813-04	1.5699-02	2.4506+04	3.1581-04	3.7770+00
27	494.04	4.8472+01	7.9549+00	2.4240-02	7.9549+00	2.4240-02	1.0725-02	3.0716-01	4.7949+05	6.1897-03	7.1100-01
28	483.64	5.1785+01	8.5707+00	2.5919-02	8.5707+00	2.5919-02	1.1468-02	3.2843-01	5.1270+05	6.6154-03	1.0880+00
29	498.24	6.3718+01	1.0807+01	3.3033-02	1.0807+01	3.3033-02	1.4615-02	4.1858-01	6.5342+05	8.4366-03	1.3070+00
30	518.96	6.9203+01	1.1928+01	3.7025-02	1.1928+01	3.7025-02	1.6381-02	4.6917-01	7.3239+05	9.4649-03	1.6410+00
31	500.26	3.5045+01	6.0579+00	1.8544-02	6.0579+00	1.8544-02	8.2047-03	2.3498-01	3.6682+05	4.7366-03	1.7720+00
32	510.74	9.7278+00	1.6681+00	5.1460-03	1.6681+00	5.1460-03	2.2768-03	6.5208-02	1.0179+05	1.3150-03	2.4660+00
33	474.30	4.1091+00	6.9019-01	2.0731-03	6.9019-01	2.0731-03	9.1723-04	2.6270-02	4.1008+04	5.2891-04	3.0090+00
34	457.54	3.0431+00	4.9795-01	1.4778-03	4.9795-01	1.4778-03	6.5384-04	1.8726-02	2.9232+04	3.7675-04	3.3930+00
35	451.83	2.4462+00	3.8196-01	1.1290-03	3.8196-01	1.1290-03	4.9951-04	1.4306-02	2.2332+04	2.8775-04	3.7770+00
36	499.94	6.1535+01	1.0324+01	3.1595-02	1.0324+01	3.1595-02	1.3979-02	4.0036-01	6.2498+05	8.0699-03	1.3070+00
37	512.65	1.0023+01	1.7413+00	5.3794-03	1.7413+00	5.3794-03	2.3801-03	6.8166-02	1.0641+05	1.3748-03	2.4660+00
38	472.62	3.5018+00	5.7884-01	1.7365-03	5.7884-01	1.7365-03	7.6832-04	2.2005-02	3.4351+04	4.4301-04	3.0090+00
39	455.39	4.1075+00	6.6711-01	1.9768-03	6.6711-01	1.9768-03	8.7461-04	2.5049-02	3.9103+04	5.0392-04	3.3930+00
40	451.17	3.6847+00	5.9130-01	1.7469-03	5.9130-01	1.7469-03	7.7291-04	2.2136-02	3.4556+04	4.4524-04	3.7770+00
41	453.71	3.0977+00	4.8734-01	1.4424-03	4.8734-01	1.4424-03	6.3816-04	1.8277-02	2.8531+04	3.6766-04	4.1620+00
42	466.91	2.0660+00	3.4531-01	1.0317-03	3.4531-01	1.0317-03	4.5646-04	1.3073-02	2.0408+04	2.6313-04	5.3230+00
47	473.92	2.4263+01	3.9659+00	1.1909-02	3.9659+00	1.1909-02	5.2691-03	1.5091-01	2.3557+05	3.0383-03	7.1100-01
48	482.46	4.2674+01	7.1426+00	2.1581-02	7.1426+00	2.1581-02	9.5485-03	2.7347-01	4.2690+05	5.5080-03	1.0880+00
49	502.78	6.7396+01	1.1498+01	3.5263-02	1.1498+01	3.5263-02	1.5602-02	4.4684-01	6.9754+05	9.0080-03	1.3070+00
50	529.01	6.1466+01	1.0724+01	3.3541-02	1.0724+01	3.3541-02	1.4840-02	4.2502-01	6.6347+05	8.5781-03	1.6410+00
51	508.12	2.8458+01	4.9439+00	1.5222-02	4.9439+00	1.5222-02	6.7350-03	1.9289-01	3.0111+05	3.8895-03	1.7720+00
52	491.14	2.4779+00	4.2582-01	1.2948-03	4.2582-01	1.2948-03	5.7287-04	1.6407-02	2.5612+04	3.3058-04	2.4660+00
53	466.19	3.5782+00	5.8893-01	1.7587-03	5.8853-01	1.7587-03	7.7810-04	2.2285-02	3.4788+04	4.4853-04	3.0090+00
54	451.68	2.6893+00	4.3304-01	1.2798-03	4.3304-01	1.2798-03	5.6625-04	1.6217-02	2.5316+04	3.2620-04	3.3930+00
55	447.94	2.1039+00	3.3174-01	9.7784-04	3.3174-01	9.7784-04	4.3264-04	1.2391-02	1.9343+04	2.4919-04	3.7770+00
56	454.20	1.8348+00	2.8246-01	8.3628-04	2.8246-01	8.3628-04	3.7001-04	1.0597-02	1.6543+04	2.1317-04	4.1100-01
57	458.86	1.0226+01	1.6446+00	4.8854-03	1.6446+00	4.8854-03	2.1615-03	6.1907-02	9.6639+04	1.2456-03	7.1100-01
58	447.28	1.0116+01	1.6536+00	4.8718-03	1.6536+00	4.8718-03	2.1555-03	6.1734-02	9.6368+04	1.2415-03	1.0880+00
59	452.92	1.7276+01	2.8435+00	8.4111-03	2.8425+00	8.4111-03	3.7214-03	1.0658-01	1.6638+05	2.1439-03	1.3070+00
60	532.01	6.4566+01	1.1220+01	3.5169-02	1.1220+01	3.5169-02	1.5560-02	4.4565-01	6.9567+05	8.9958-03	1.6410+00
61	461.61	2.9465+00	4.8202-01	1.4347-03	4.8202-01	1.4347-03	6.3476-04	1.8180-02	2.8379+04	3.6583-04	3.0090+00
62	450.44	3.8192+00	6.1445-01	1.8144-03	6.1445-01	1.8144-03	8.0275-04	2.2991-02	3.5890+04	4.6242-04	3.3930+00
63	450.38	2.9184+00	4.6095-01	1.3610-03	4.6095-01	1.3610-03	6.0218-04	1.7247-02	2.6923+04	3.4688-04	3.7770+00
64	441.64	5.1969+00	8.6389-01	2.5351-03	8.6389-01	2.5351-03	1.1216-03	3.2124-02	5.0146+04	6.4586-04	1.0880+00
65	443.00	6.7725+00	1.1269+00	3.3099-03	1.1269+00	3.3099-03	1.4645-03	4.1942-02	6.5474+04	8.4331-04	1.3070+00
66	481.73	1.6465+01	2.8121+00	8.4923-03	2.8121+00	8.4923-03	3.7574-03	1.0761-01	1.6799+05	2.1674-03	1.6410+00
69	453.08	3.2442+00	5.4354-01	1.6080-03	5.4354-01	1.6080-03	7.1144-04	2.0376-02	3.1808+04	4.0987-04	4.1100-01
70	442.47	1.9320+00	3.2134-01	9.4351-04	3.2134-01	9.4351-04	4.1745-04	1.1956-02	1.8664+04	2.4039-04	7.1100-01
71	445.82	3.2878+00	5.4651-01	1.6085-03	5.4651-01	1.6085-03	7.1166-04	2.0382-02	3.1817+04	4.0986-04	1.3070+00
72	472.96	5.1984+00	8.8271-01	2.6488-03	8.8271-01	2.6488-03	1.1720-03	3.3565-02	5.2396+04	6.7575-04	1.6410+00
73	460.10	2.5075+00	4.0668-01	1.2074-33	4.0608-01	1.2074-03	5.3419-04	1.5299-02	2.3883+04	3.0785-04	3.7770+00
74	476.75	1.6551+00	2.7515-01	8.2793-04	2.7515-01	8.2793-04	3.6631-04	1.0491-02	1.6377+04	2.1125-04	5.3230+00
77	458.88	3.9579+00	6.5991-01	1.9603-03	6.5951-01	1.9603-03	8.6733-04	2.4841-02	3.8777+04	4.9980-04	3.0090+00
78	450.04	4.8254+00	7.9028-01	2.3329-03	7.9028-01	2.3329-03	1.0322-03	2.9562-02	4.6147+04	5.9456-04	3.3930+00
79	450.49	4.6088+00	7.4152-01	2.1896-33	7.4152-01	2.1896-03	9.6879-04	2.7746-02	4.3313+04	5.5807-04	3.7770+00
80	507.83	8.8899+00	1.5487+00	4.7673-03	1.5487+00	4.7673-03	2.1093-03	6.0410-02	9.4302+04	1.2181-03	2.4660+00
81	464.85	3.6733+00	6.1492-01	1.8345-03	6.1492-01	1.8345-03	8.1166-04	2.3246-02	3.6288+04	4.6784-04	3.0090+00
82	450.21	4.2114+00	6.9186-01	2.0426-03	6.9186-01	2.0426-03	9.0373-04	2.5883-02	4.0405+04	5.2058-04	3.3930+00
83	447.18	4.2384+00	6.8865-01	2.0288-03	6.8865-01	2.0288-03	8.9761-04	2.5708-02	4.0131+04	5.1699-04	3.7770+00
337	552.75	2.6979+01	5.2829+00	1.6824-02	5.2829+00	1.6824-02	7.4435-03	2.1318-01	3.3279+05	4.3074-03	7.1680+00
339	538.75	9.6005+00	1.9038+00	5.9984-03	1.9038+00	5.9984-03	2.6539-03	7.6010-02	1.1865+05	1.5348-03	8.1130+00
340	486.42	2.3273+00	4.3717-01	1.3247-03	4.3717-01	1.3247-03	5.8612-04	1.6787-02	2.6204+04	3.3816-04	8.6180+00
342	549.07	2.1246+01	4.2840+00	1.3604-02	4.2840+00	1.3604-02	6.0191-03	1.7239-01	2.6911+05	3.4825-03	7.1680+00
344	541.82	9.4306+00	1.8834+00	5.9480-03	1.8834+00	5.9480-03	2.6316-03	7.5371-02	1.1766+05	1.5221-03	8.1130+00
347	538.36	1.5900+01	3.0864+00	9.7214-03	3.0864+00	9.7214-03	4.3012-03	1.2319-01	1.9230+05	2.4873-03	7.1680+00
349	536.18	9.4914+00	1.8842+00	5.9248-03	1.8842+00	5.9248-03	2.6214-03	7.5077-02	1.1720+05	1.5158-03	8.1130+00
350	485.44	2.3330+00	4.1344-01	1.2519-03	4.1344-01	1.2519-03	5.5390-04	1.5864-02	2.4764+04	3.1956-04	8.6180+00
352	546.12	1.2029+01	2.2897+00	7.2547-03	2.2897+00	7.2547-03	3.2098-03	9.1930-02	1.4351+05	1.8569-03	7.1680+00
354	546.35	9.8842+00	1.9692+00	6.2403-03	1.9692+00	6.2403-03	2.7610-03	7.9075-02	1.2344+05	1.5972-03	8.1130+00
357	539.68	5.2831+00	9.9901-01	3.1498-03	9.9901-01	3.1498-03	1.3936-03	3.9913-02	6.2305+04	8.0595-04	7.1680+00
359	544.66	4.5579+00	8.4791-01	2.6835-03	8.4791-01	2.6835-03	1.1873-03	3.4005-02	5.3083+04	6.8681-04	8.1130+00
401	475.86	1.8643+01	1.5673+00	4.7131-03	1.5673+00	4.7131-03	2.0853-03	5.9723-02	9.3229+04	1.2025-03	4.5500-01
403	507.69	4.0968+01	3.4745+00	1.0695-02	3.4745+00	1.0695-02	4.7317-03	1.3552-01	2.1155+05	2.7325-03	6.8600-01
404	422.08	-1.5945+02	-3.1498+00	-5.7979-03	-3.1498+00	-5.7979-03	-2.5652-03	-7.3469-02	-1.1469+05	-1.4309-03	8.0100-01
405	562.23	8.2717+01	7.2542+00	2.3271-02	7.2542+00	2.3271-02	1.0296-02	2.9489-01	4.6033+05	5.9608-03	1.0510+00
406	556.42	9.1617+01	8.0548+00	2.5724-02	8.0548+00	2.5724-02	1.1381-02	3.2596-01	5.0884+05	6.5872-03	1.1670+00
407	575.76	1.0228+02	9.2585+00	3.0016-02	9.2585+00	3.0016-02	1.3280-02	3.8035-01	5.9374+05	7.6932-03	1.2830+00
408	499.96	3.7783+01	3.1504+00	9.6417-03	3.1504+00	9.6417-03	4.2659-03	1.2218-01	1.9072+05	2.4627-03	5.1300-01
409	464.97	1.2364+01	1.0258+00	3.0606-03	1.0258+00	3.0606-03	1.3542-03	3.8783-02	6.0542+04	7.8054-04	5.7000-01
410	488.43	2.9593+01	2.4046+00	7.2973-03	2.4046+00	7.2973-03	3.2287-03	9.2470-02	1.4435+05	1.8629-03	6.2800-01
411	467.03	1.3221+01	1.0985+00	3.2822-03	1.0985+00	3.2822-03	1.4522-03	4.1591-02	6.4925+04	8.3712-04	6.8600-01
412	496.35	3.2312+01	2.7205+00	8.3040-03	2.7205+00	8.3040-03	3.6741-03	1.0523-01	1.6426+05	2.1207-03	7.4400-01
413	470.17	1.7617+01	1.4755+00	4.4187-03	1.4755+00	4.4187-03	1.9550-03	5.5992-02	8.7406+04	1.1271-03	8.0100-01
414	511.76	5.3282+01	4.5305+00	1.3987-02	4.5305+00	1.3987-02	6.1885-03	1.7724-01	2.7668+05	3.5745-03	8.5900-01
415	476.14	2.4995+01	2.0893+00	6.2840-03	2.0893+00	6.2840-03	2.7803-03	7.9629-02	1.2430+05	1.6034-03	9.1700-01
416	499.47	3.6186+01	2.8517+00	8.7245-03	2.8517+00	8.7245-03	3.8601-03	1.1055-01	1.7258+05	2.2284-03	5.7000-01
417	543.47	8.1220+01	7.0431+00	2.2270-02	7.0431+00	2.2270-02	9.8533-03	2.8220-01	4.4053+05	5.6994-03	1.0520+00

26 1 6.96 -5.04 .00 -.00 402 11 2.65 10.13 748.9 1778.5

8.62289+01 1.56682-02 1.12546+00 4.60922+03 1.52451-05 6.98454-08 8.44016-02 7.72000+00 7.24174-06 7.44581-02

1	454.32	1.0508+01	1.7620+00	5.2172-03	1.7620+00	5.2172-03	2.3077-03	6.6110-02	1.0325+05	1.3306-03	4.1100-01
2	496.82	4.7483+01	8.1897+00	2.5007-02	8.1897+00	2.5007-02	1.1061-02	3.1688-01	4.9489+05	6.3897-03	7.1100-01
3	475.30	3.0434+01	5.1759+00	1.5558-02	5.1759+00	1.5558-02	6.8816-03	1.9715-01	3.0790+05	3.9716-03	1.3070+00
4	510.15	4.6002+01	8.0021+00	2.4676-02	8.0021+00	2.4676-02	1.0915-02	3.1268-01	4.8834+05	6.3089-03	1.6410+00
5	514.46	3.5557+01	6.4924+00	2.0084-02	6.4924+00	2.0084-02	8.8838-03	2.5450-01	3.9748+05	5.1361-03	1.7720+00
6	509.20	8.9096+00	1.5263+00	4.7032-03	1.5263+00	4.7032-03	2.0803-03	5.9597-02	9.3078+04	1.2024-03	2.4660+00
7	468.27	3.4384+00	5.7182-01	1.7101-03	5.7182-01	1.7101-03	7.5642-04	2.1670-02	3.3844+04	4.3642-04	3.0090+00
8	455.07	6.4026+00	1.0459+00	3.0986-03	1.0459+00	3.0986-03	1.3706-03	3.9264-02	6.1322+04	7.9028-04	3.3930+00
9	449.61	5.8244+00	9.4792-01	2.7974-03	9.4792-01	2.7974-03	1.2373-03	3.5448-02	5.5361+04	7.1330-04	3.7770+00
10	469.16	5.2094+00	8.6168-01	2.5786-03	8.6168-01	2.5786-03	1.1406-03	3.2676-02	5.1032+04	6.5809-04	5.3230+00
14	480.56	3.9929+01	6.8143+00	2.0561-02	6.8143+00	2.0561-02	9.0946-03	2.6054-01	4.0691+05	5.2500-03	1.0880+00
15	507.76	6.0315+01	1.0476+01	3.2247-02	1.0476+01	3.2247-02	1.4264-02	4.0863-01	6.3819+05	8.2439-03	1.3070+00
16	530.37	6.6594+01	1.1732+01	3.6728-02	1.1732+01	3.6728-02	1.6246-02	4.6541-01	7.2687+05	9.3991-03	1.6410+00
19	457.81	5.1548+00	7.8790-01	2.3388-03	7.8790-01	2.3388-03	1.0345-03	2.9636-02	4.6285+04	5.9657-04	4.1100-01
20	472.11	2.4247+01	3.9224+00	1.1763-02	3.9224+00	1.1763-02	5.2031-03	1.4906-01	2.3280+05	3.0024-03	7.1100-01
21	491.54	4.7598+01	7.9185+00	2.4085-02	7.9185+00	2.4085-02	1.0653-02	3.0519-01	4.7665+05	6.1527-03	1.0880+00
22	505.49	6.1990+01	1.0469+01	3.2170-02	1.0469+01	3.2170-02	1.4229-02	4.0765-01	6.3665+05	8.2233-03	1.3070+00
23	586.28	1.4857-01	2.5953-02	8.4839-05	2.5953-02	8.4839-05	3.7526-05	1.0751-03	1.6790+03	2.1768-05	1.6410+00
24	473.38	3.5418+00	5.8575-01	1.7582-03	5.8575-01	1.7582-03	7.7771-04	2.2280-02	3.4796+04	4.4880-04	3.0090+00
25	461.58	2.8062+00	4.4938-01	1.3375-03	4.4938-01	1.3375-03	5.9161-04	1.6948-02	2.6470+04	3.4123-04	3.3930+00
26	455.63	2.6738+00	4.2907-01	1.2716-03	4.2907-01	1.2716-03	5.6248-04	1.6114-02	2.5166+04	3.2434-04	3.7770+00
27	505.95	4.7364+01	7.8328+00	2.4078-02	7.8328+00	2.4078-02	1.0650-02	3.0511-01	4.7652+05	6.1550-03	7.1100-01
28	496.42	5.0836+01	8.4839+00	2.5897-02	8.4839+00	2.5897-02	1.1455-02	3.2816-01	5.1251+05	6.6171-03	1.0880+00
29	514.00	6.2647+01	1.0733+01	3.3190-02	1.0733+01	3.3190-02	1.4681-02	4.2058-01	6.5685+05	8.4874-03	1.3070+00
30	536.07	6.7873+01	1.1824+01	3.7176-02	1.1824+01	3.7176-02	1.6444-02	4.7109-01	7.3573+05	9.5162-03	1.6410+00
31	509.07	3.5193+01	6.1178+00	1.8850-02	6.1178+00	1.8850-02	8.3377-03	2.3886-01	3.7305+05	4.8192-03	1.7720+00
32	513.18	9.8795+00	1.6967+00	5.2438-03	1.6967+00	5.2438-03	2.3194-03	6.6448-02	1.0378+05	1.3409-03	2.4660+00
33	475.34	4.1470+00	6.9704-01	2.0953-03	6.9704-01	2.0953-03	9.2678-04	2.6551-02	4.1466+04	5.3487-04	3.0090+00
34	458.29	3.0114+00	4.9301-01	1.4639-03	4.9301-01	1.4639-03	6.4753-04	1.8550-02	2.8972+04	3.7343-04	3.3930+00
35	452.41	2.4899+00	3.8893-01	1.1500-03	3.8893-01	1.1500-03	5.0869-04	1.4573-02	2.2760+04	2.9328-04	3.7770+00
36	515.06	6.0167+01	1.0192+01	3.1543-02	1.0192+01	3.1543-02	1.3952-02	3.9970-01	6.2425+05	8.0665-03	1.3070+00
37	515.19	1.0178+01	1.7710+00	5.4816-03	1.7710+00	5.4816-03	2.4246-03	6.9461-02	1.0848+05	1.4018-03	2.4660+00
38	473.51	3.4753+00	5.7480-01	1.7255-03	5.7480-01	1.7255-03	7.6324-04	2.1865-02	3.4149+04	4.4045-04	3.0090+00
39	456.51	4.4281+00	7.1971-01	2.1344-03	7.1971-01	2.1344-03	9.4407-04	2.7046-02	4.2240+04	5.4440-04	3.3930+00
40	452.05	3.5881+00	5.7614-01	1.7032-03	5.7614-01	1.7032-03	7.5335-04	2.1582-02	3.3707+04	4.3434-04	3.7770+00
41	454.48	3.1013+00	4.8816-01	1.4456-03	4.8816-01	1.4456-03	6.3942-04	1.8318-02	2.8609+04	3.6869-04	4.1620+00
43	467.43	2.0275+00	3.3900-01	1.0132-03	3.3900-01	1.0132-03	4.4817-04	1.2839-02	2.0052+04	2.5856-04	5.3230+00
47	479.94	2.3624+01	3.8769+00	1.1693-02	3.8769+00	1.1693-02	5.1719-03	1.4817-01	2.3140+05	2.9855-03	7.1100-01
48	493.14	4.1956+01	7.0715+00	2.1534-02	7.0715+00	2.1534-02	9.5248-03	2.7287-01	4.2616+05	5.5014-03	1.0880+00
49	519.49	6.6210+01	1.1416+01	3.5449-02	1.1416+01	3.5449-02	1.5680-02	4.4920-01	7.0156+05	9.0673-03	1.3070+00
50	544.23	6.0484+01	1.0652+01	3.3701-02	1.0652+01	3.3701-02	1.4907-02	4.2705-01	6.6695+05	8.6299-03	1.6410+00
51	515.29	2.8890+01	5.0419+00	1.5607-02	5.0419+00	1.5607-02	6.9033-03	1.9777-01	3.0887+05	3.9912-03	1.7720+00
52	491.75	2.4701+00	4.2464-01	1.2918-03	4.2464-01	1.2918-03	5.7139-04	1.6369-02	2.5565+04	3.3000-04	2.4660+00
53	467.08	3.6083+00	5.9424-01	1.7757-03	5.9424-01	1.7757-03	7.8541-04	2.2501-02	3.5141+04	4.5312-04	3.0090+00
54	452.31	2.6442+00	4.2595-01	1.2594-03	4.2595-01	1.2594-03	5.5707-04	1.5959-02	2.4924+04	3.2117-04	3.3930+00
55	448.48	2.1579+00	3.4039-01	1.0037-03	3.4039-01	1.0037-03	4.4396-04	1.2719-02	1.9864+04	2.5592-04	3.7770+00
56	454.82	1.8509+00	2.8505-01	8.4434-04	2.8505-01	8.4434-04	3.7347-04	1.0699-02	1.6710+04	2.1534-04	4.1160-01
57	461.44	1.0283+01	1.6566+00	4.9301-03	1.6566+00	4.9301-03	2.1807-03	6.2473-02	9.7568+04	1.2578-03	7.1100-01
58	449.80	9.9138+00	1.6233+00	4.7912-03	1.6233+00	4.7912-03	2.1193-03	6.0713-02	9.4821+04	1.2217-03	1.0880+00
59	457.22	1.7399+01	2.8721+00	8.5218-03	2.8721+00	8.5218-03	3.7694-03	1.0799-01	1.6865+05	2.1737-03	1.3070+00
60	547.95	6.2971+01	1.1049+01	3.5058-02	1.1049+01	3.5058-02	1.5507-02	4.4425-01	6.9381+05	8.9790-03	1.6410+00
61	462.36	2.9605+00	4.8455-01	1.4430-03	4.8455-01	1.4430-03	6.3827-04	1.8285-02	2.8558+04	3.6815-04	3.0090+00
62	451.38	3.6016+00	5.7981-01	1.7132-03	5.7981-01	1.7132-03	7.5778-04	2.1709-02	3.3905+04	4.3688-04	3.3930+00
63	451.11	2.6618+00	4.2063-01	1.2426-03	4.2063-01	1.2426-03	5.4964-04	1.5746-02	2.4592+04	3.1688-04	3.7770+00
64	442.94	5.1891+00	8.6337-01	2.5359-03	8.6337-01	2.5359-03	1.1217-03	3.2134-02	5.0186+04	6.4643-04	1.0880+00
65	444.68	6.7439+00	1.1234+00	3.3037-03	1.1234+00	3.3037-03	1.4613-03	4.1864-02	6.5382+04	8.4223-04	1.3070+00
66	485.83	1.6457+01	2.8182+00	8.5361-03	2.8182+00	8.5361-03	3.7757-03	1.0817-01	1.6893+05	2.1801-03	1.6410+00
69	453.97	3.4800+00	5.8341-01	1.7270-03	5.8341-01	1.7270-03	7.6390-04	2.1884-02	3.4178+04	4.4045-04	4.1100-01
70	442.96	1.9849+00	3.3026-01	9.7005-04	3.3026-01	9.7005-04	4.2907-04	1.2292-02	1.9198+04	2.4728-04	7.1100-01
71	446.65	3.2722+00	5.4423-01	1.6027-03	5.4423-01	1.6027-03	7.0892-04	2.0309-02	3.1718+04	4.0862-04	1.3070+00
72	474.25	5.1055+00	8.6766-01	2.6061-03	8.6766-01	2.6061-03	1.1527-03	3.3024-02	5.1575+04	6.6524-04	1.6410+00
73	460.72	2.5091+00	4.0651-01	1.2092-03	4.0651-01	1.2092-03	5.3484-04	1.5322-02	2.3930+04	3.0847-04	3.7770+00
74	477.16	1.6686+00	2.7747-01	8.3517-04	2.7747-01	8.3517-04	3.6941-04	1.0583-02	1.6528+04	2.1322-04	5.3230+00
77	459.86	3.9714+00	6.6260-01	1.9697-03	6.6260-01	1.9697-03	8.7124-04	2.4960-02	3.8981+04	5.0248-04	3.0090+00
78	451.22	4.5267+00	7.4196-01	2.1921-03	7.4196-01	2.1921-03	9.6961-04	2.7778-02	4.3382+04	5.5900-04	3.3930+00
79	451.58	4.3647+00	7.0276-01	2.0768-03	7.0276-01	2.0768-03	9.1861-04	2.6316-02	4.1100+04	5.2960-04	3.7770+00
80	510.10	9.2249+00	1.6093+00	4.9625-03	1.6093+00	4.9625-03	2.1950-03	6.2883-02	9.8209+04	1.2688-03	2.4660+00
81	465.79	3.7403+00	6.2653-01	1.8704-03	6.2653-01	1.8704-03	8.2732-04	2.3701-02	3.7016+04	4.7727-04	3.0090+00
82	451.23	3.8764+00	6.3726-01	1.8828-03	6.3726-01	1.8828-03	8.3279-04	2.3858-02	3.7261+04	4.8012-04	3.3930+00
83	448.23	4.2332+00	6.8830-01	2.0292-03	6.8830-01	2.0292-03	8.9758-04	2.5714-02	4.0160+04	5.1740-04	3.7770+00
337	559.46	2.6729+01	5.2550+00	1.6822-02	5.2550+00	1.6822-02	7.4407-03	2.1316-01	3.3291+05	4.3107-03	7.1680+00
339	541.17	9.6161+00	1.9097+00	6.0280-03	1.9097+00	6.0280-03	2.6663-03	7.6386-02	1.1930+05	1.5434-03	8.1130+00
340	487.00	2.3049+00	4.3314-01	1.3131-03	4.3314-01	1.3131-03	5.8079-04	1.6639-02	2.5986+04	3.3537-04	8.6180+00
342	554.34	2.1109+01	4.2699+00	1.3614-02	4.2699+00	1.3614-02	6.0220-03	1.7252-01	2.6944+05	3.4879-03	7.1680+00
344	544.17	9.5294+00	1.9059+00	6.0296-03	1.9059+00	6.0296-03	2.6670-03	7.6406-02	1.1933+05	1.5440-03	8.1130+00
347	542.35	1.5967+01	3.1071+00	9.8162-03	3.1071+00	9.8162-03	4.3419-03	1.2439-01	1.9427+05	2.5134-03	7.1680+00
349	538.56	9.5558+00	1.8997+00	5.9845-03	1.8997+00	5.9845-03	2.6471-03	7.5833-02	1.1843+05	1.5321-03	8.1130+00
350	486.02	2.3278+00	4.1267-01	1.2561-03	4.1267-01	1.2561-03	5.5296-04	1.5841-02	2.4741+04	3.1928-04	8.6180+00
352	549.10	1.1870+01	2.2636+00	7.1884-03	2.2636+00	7.1884-03	3.1796-03	9.1090-02	1.4226+05	1.8412-03	7.1680+00
354	548.80	9.8639+00	1.9680+00	6.2484-03	1.9680+00	6.2484-03	2.7638-03	7.9178-02	1.2366+05	1.6004-03	8.1130+00
357	541.02	5.2016+00	9.8438-01	3.1068-03	9.8438-01	3.1068-03	1.3742-03	3.9369-02	6.1485+04	7.9545-04	7.1680+00
359	545.77	4.4047+00	8.1996-01	2.5973-03	8.1996-01	2.5973-03	1.1488-03	3.2912-02	5.1401+04	6.6514-04	8.1130+00
401	480.55	1.8717+01	1.5785+00	4.7627-03	1.5785+00	4.7627-03	2.1066-03	6.0351-02	9.4255+04	1.2161-03	4.5500-01
403	517.67	3.9249+01	3.3497+00	1.0387-02	3.3497+00	1.0387-02	4.5946-03	1.3163-01	2.0557+05	2.6567-03	6.8600-01
404	470.95	-1.7305+02	-2.6771+00	-4.8286-03	-2.6771+00	-4.8286-03	-2.1358-03	-6.1187-02	-9.5561+04	-1.1901-03	8.0100-01
405	582.33	7.8647+01	6.9790+00	2.2743-02	6.9790+00	2.2743-02	1.0060-02	2.8819-01	4.5009+05	5.8343-03	1.0510+00
406	578.81	8.7772+01	7.8194+00	2.5411-02	7.8194+00	2.5411-02	1.1240-02	3.2200-01	5.0290+05	6.5176-03	1.1670+00
407	600.68	9.7833+01	8.9832+00	2.9705-02	8.9832+00	2.9705-02	1.3139-02	3.7641-01	5.8787+05	7.6268-03	1.2830+00
408	509.32	3.6930+01	3.0977+00	9.5463-03	3.0977+00	9.5463-03	4.2225-03	1.2097-01	1.8893+05	2.4407-03	5.1300-01
409	468.17	1.2955+01	1.0772+00	3.2212-03	1.0772+00	3.2212-03	1.4248-03	4.0819-02	6.3750+04	8.2205-04	5.7000-01
410	495.89	2.9975+01	2.4475+00	7.4680-03	2.4475+00	7.4680-03	3.3032-03	9.4632-02	1.4779+05	1.9081-03	6.2800-01
411	470.45	1.3896+01	1.1571+00	3.4660-03	1.1571+00	3.4660-03	1.5331-03	4.3920-02	6.8593+04	8.8459-04	6.8600-01
412	504.57	3.3195+01	2.8096+00	8.6281-03	2.8096+00	8.6281-03	3.8164-03	1.0933-01	1.7075+05	2.2054-03	7.4400-01
413	474.61	1.8313+01	1.5363+00	4.6217-03	1.5383+00	4.6217-03	2.0443-03	5.8564-02	9.1465+04	1.1798-03	8.0100-01
414	525.16	5.3463+01	4.5843+00	1.4296-02	4.5843+00	1.4296-02	6.3234-03	1.8115-01	2.8292+05	3.6576-03	8.5900-01
415	482.48	2.5788+01	2.1646+00	6.5403-03	2.1646+00	6.5403-03	2.8929-03	8.2877-02	1.2944+05	1.6701-03	9.1700-01
416	508.51	3.5910+01	2.8464+00	8.7666-03	2.8464+00	8.7666-03	3.8777-03	1.1109-01	1.7349+05	2.2412-03	5.7000-01
417	563.75	8.0062+01	7.0277+00	2.2571-02	7.0277+00	2.2571-02	9.9837-03	2.8602-01	4.4669+05	5.7851-03	1.0520+00

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26 1 6.96 -5.04 .00 -.00 402 11 3.15 10.13 748.9 1778.7

8.62379+01 1.56680-02 1.12544+00 4.60946+03 1.52432-05 6.98527-08 8.43872-02 7.72000+00 7.24260-06 7.44571-02

1	460.11	1.2323+01	2.0745+00	6.1699-03	2.0745+00	6.1699-03	2.7292-03	7.8183-02	1.2209+05	1.5733-03	4.1100-01
2	520.15	4.5916+01	8.0377+00	2.4978-02	8.0377+00	2.4978-02	1.1049-02	3.1652-01	4.9427+05	6.3864-03	7.1100-01
3	490.59	3.0665+01	5.2677+00	1.6016-02	5.2677+00	1.6016-02	7.0845-03	2.0295-01	3.1692+05	4.0894-03	1.3070+00
4	533.01	4.5427+01	8.0158+00	2.5153-02	8.0158+00	2.5153-02	1.1126-02	3.1873-01	4.9773+05	6.4348-03	1.6410+00
5	532.04	3.4844+01	6.4322+00	2.0169-02	6.4322+00	2.0169-02	8.9218-03	2.5557-01	3.9910+05	5.1596-03	1.7720+00
6	513.80	9.4156+00	1.6176+00	5.0033-03	1.6176+00	5.0033-03	2.2132-03	6.3400-02	9.9005+04	1.2789-03	2.4660+00
7	470.03	3.6249+00	6.0355-01	1.8078-03	6.0355-01	1.8078-03	7.9969-04	2.2908-02	3.5773+04	4.6119-04	3.0090+00
8	458.29	6.3818+00	1.0448+00	3.1033-03	1.0448+00	3.1033-03	1.3727-03	3.9324-02	6.1407+04	7.9126-04	3.3930+00
9	452.41	5.5844+00	9.1060-01	2.6933-03	9.1060-01	2.6933-03	1.1914-03	3.4129-02	5.3296+04	6.8657-04	3.7770+00
10	471.74	5.1829+00	8.5878-01	2.5755-03	8.5878-01	2.5755-03	1.1393-03	3.2636-02	5.0964+04	6.5708-04	5.3230+00
14	500.49	3.9941+01	6.9052+00	2.1148-02	6.9052+00	2.1148-02	9.3547-03	2.6798-01	4.1847+05	5.4022-03	1.0880+00
15	537.38	5.8470+01	1.0345+01	3.2569-02	1.0345+01	3.2569-02	1.4407-02	4.1271-01	6.4449+05	8.3338-03	1.3070+00
16	563.02	6.3926+01	1.1486+01	3.6882-02	1.1486+01	3.6882-02	1.6315-02	4.6736-01	7.2983+05	9.4486-03	1.6410+00
19	460.41	5.1829+00	7.9359-01	2.3607-03	7.9359-01	2.3607-03	1.0443-03	2.9914-02	4.6714+04	6.0198-04	4.1100-01
20	484.39	2.4893+01	4.0597+00	1.2287-02	4.0597+00	1.2287-02	5.4352-03	1.5570-01	2.4314+05	3.1365-03	7.1100-01
21	515.00	4.6263+01	7.8126+00	2.4186-02	7.8126+00	2.4186-02	1.0699-02	3.0647-01	4.7859+05	6.1823-03	1.0880+00
22	536.01	6.0130+01	1.0350+01	3.2551-02	1.0350+01	3.2551-02	1.4399-02	4.1248-01	6.4413+05	8.3287-03	1.3070+00
23	586.32	8.5714-02	1.4973-02	4.8965-05	1.4973-02	4.8965-05	2.1660-05	6.2047-04	9.6892+02	1.2558-05	1.6410+00
24	475.17	3.6275+00	6.0064-01	1.8058-03	6.0064-01	1.8058-03	7.9879-04	2.2882-02	3.5733+04	4.6077-04	3.0090+00
25	462.96	2.8514+00	4.5705-01	1.3621-03	4.5705-01	1.3621-03	6.0251-04	1.7260-02	2.6953+04	3.4737-04	3.3930+00
26	456.97	2.7371+00	4.3964-01	1.3046-03	4.3964-01	1.3046-03	5.7709-04	1.6531-02	2.5815+04	3.3262-04	3.7770+00
27	529.19	4.5655+01	7.6611+00	2.3970-02	7.6611+00	2.3970-02	1.0603-02	3.0375-01	4.7433+05	6.1313-03	7.1100-01
28	521.49	4.9451+01	8.3851+00	2.6084-02	8.3851+00	2.6084-02	1.1538-02	3.3053-01	5.1615+05	6.6695-03	1.0880+00
29	544.89	6.0927+01	1.0639+01	3.3688-02	1.0639+01	3.3688-02	1.4902-02	4.2689-01	6.6662+05	8.6230-03	1.3070+00
30	569.47	6.5499+01	1.1641+01	3.7568-02	1.1641+01	3.7568-02	1.6618-02	4.7605-01	7.4339+05	9.6270-03	1.6410+00
31	526.69	3.5149+01	6.1780+00	1.9294-02	6.1780+00	1.9294-02	8.5345-03	2.4448-01	3.8178+05	4.9344-03	1.7720+00
32	518.19	1.0115+01	1.7427+00	5.4077-03	1.7427+00	5.4077-03	2.3921-03	6.8525-02	1.0701+05	1.3825-03	2.4660+00
33	477.43	4.2270+00	7.1147-01	2.1425-03	7.1147-01	2.1425-03	9.4773-04	2.7149-02	4.2396+04	5.4674-04	3.0090+00
34	459.78	3.0249+00	4.9572-01	1.4740-03	4.9572-01	1.4740-03	6.5201-04	1.8678-02	2.9167+04	3.7586-04	3.3930+00
35	453.76	2.8639+00	4.4777-01	1.3257-03	4.4777-01	1.3257-03	5.8642-04	1.6799-02	2.6233+04	3.3795-04	3.7770+00
36	544.68	5.8194+01	1.0040+01	3.1785-02	1.0040+01	3.1785-02	1.4060-02	4.0276-01	6.2895+05	8.1357-03	1.3070+00
37	520.32	1.0330+01	1.8032+00	5.6043-03	1.8032+00	5.6043-03	2.4791-03	7.1016-02	1.1090+05	1.4329-03	2.4660+00
38	475.25	3.5797+00	5.9276-01	1.7822-03	5.9276-01	1.7822-03	7.8836-04	2.2583-02	3.5266+04	4.5476-04	3.0090+00
39	458.58	3.9319+00	6.3997-01	1.9012-03	6.3997-01	1.9012-03	8.4101-04	2.4092-02	3.7622+04	4.8478-04	3.3930+00
40	453.86	3.8364+00	6.1677-01	1.8262-03	6.1677-01	1.8262-03	8.0781-04	2.3141-02	3.6136+04	4.6554-04	3.7770+00
41	456.04	3.1714+00	4.9973-01	1.4819-03	4.9973-01	1.4819-03	6.5553-04	1.8779-02	2.9325+04	3.7782-04	4.1620+00
43	468.45	2.1184+00	3.5444-01	1.0605-03	3.5444-01	1.0605-03	4.6910-04	1.3438-02	2.0985+04	2.7052-04	5.3230+00
47	491.35	2.2078+01	3.6502+00	1.1104-02	3.6502+00	1.1104-02	4.9120-03	1.4071-01	2.1973+05	2.8355-03	7.1100-01
48	513.51	3.9622+01	6.7657+00	2.0921-02	6.7657+00	2.0921-02	9.2547-03	2.6511-01	4.1400+05	5.3476-03	1.0880+00
49	552.01	6.4134+01	1.1281+01	3.5916-02	1.1281+01	3.5916-02	1.5887-02	4.5511-01	7.1070+05	9.1963-03	1.3070+00
50	574.05	5.8856+01	1.0551+01	3.4171-02	1.0551+01	3.4171-02	1.5116-02	4.3301-01	6.7618+05	8.7585-03	1.6410+00
51	529.86	2.9267+01	5.1543+00	1.6135-02	5.1543+00	1.6135-02	7.1374-03	2.0446-01	3.1928+05	4.1272-03	1.7720+00
52	493.00	2.5740+00	4.4287-01	1.3489-03	4.4287-01	1.3489-03	5.9667-04	1.7092-02	2.6691+04	3.4445-04	2.4660+00
53	468.89	3.6473+00	6.0139-01	1.7999-03	6.0139-01	1.7999-03	7.9617-04	2.2807-02	3.5616+04	4.5914-04	3.0090+00
54	453.71	2.9745+00	4.7963-01	1.4199-03	4.7963-01	1.4199-03	6.2812-04	1.7993-02	2.8098+04	3.6198-04	3.3930+00
55	449.57	2.1932+00	3.4622-01	1.0220-03	3.4622-01	1.0220-03	4.5207-04	1.2950-02	2.0223+04	2.6048-04	3.7770+00
56	455.62	1.9371+00	2.9850-01	8.8492-04	2.9850-01	8.8492-04	3.9145-04	1.1213-02	1.7511+04	2.2561-04	4.1100-01
57	466.55	1.0304+01	1.6658+00	4.9772-03	1.6658+00	4.9772-03	2.2017-03	6.3070-02	9.8489+04	1.2695-03	7.1100-01
58	454.66	1.0002+01	1.6433+00	4.8682-03	1.6433+00	4.8682-03	2.1535-03	6.1689-02	9.6332+04	1.2411-03	1.0880+00
59	466.08	1.7750+01	2.9475+00	8.8035-03	2.9475+00	8.8035-03	3.8943-03	1.1156-01	1.7420+05	2.2455-03	1.3070+00
60	578.62	5.9660+01	1.0660+01	3.4649-02	1.0660+01	3.4649-02	1.5327-02	4.3907-01	6.8564+05	8.8830-03	1.6410+00
61	463.83	2.9621+00	4.8529-01	1.4471-03	4.8529-01	1.4471-03	6.4014-04	1.8338-02	2.8636+04	3.6908-04	3.0090+00
62	453.07	3.5771+00	5.7654-01	1.7061-03	5.7654-01	1.7061-03	7.5469-04	2.1619-02	3.3760+04	4.3492-04	3.3930+00
63	452.32	2.5745+00	4.0717-01	1.2043-03	4.0717-01	1.2043-03	5.3270-04	1.5260-02	2.3830+04	3.0698-04	3.7770+00
64	445.45	4.6587+00	7.7646-01	2.2853-03	7.7646-01	2.2853-03	1.0109-03	2.8959-02	4.5222+04	5.8238-04	1.0880+00
65	448.03	6.6151+00	1.1045+00	3.2567-03	1.1045+00	3.2567-03	1.4406-03	4.1268-02	6.4444+04	8.3002-04	1.3070+00
66	494.04	1.6365+01	2.8175+00	8.5878-03	2.8175+00	8.5878-03	3.7988-03	1.0882-01	1.6994+05	2.1931-03	1.6410+00
69	455.75	3.5356+00	5.9344-01	1.7595-03	5.9344-01	1.7595-03	7.7830-04	2.2295-02	3.4816+04	4.4857-04	4.1100-01
70	443.96	1.9470+00	3.2417-01	9.5311-04	3.2417-01	9.5311-04	4.2161-04	1.2078-02	1.8860+04	2.4287-04	7.1100-01
71	448.25	3.1610+00	5.2632-01	1.5522-03	5.2632-01	1.5522-03	6.8661-04	1.9669-02	3.0714+04	3.9560-04	1.3070+00
72	476.78	5.0810+00	8.6496-01	2.6035-03	8.6496-01	2.6035-03	1.1517-03	3.2991-02	5.1518+04	6.6437-04	1.6410+00
73	461.95	2.5423+00	4.1223-01	1.2276-03	4.1223-01	1.2276-03	5.4304-04	1.5556-02	2.4292+04	3.1307-04	3.7770+00
74	478.00	1.6836+00	2.8013-01	8.4393-04	2.8013-01	8.4393-04	3.7331-04	1.0694-02	1.6700+04	2.1537-04	5.3230+00
77	461.91	4.1932+00	7.0057-01	2.0862-03	7.0057-01	2.0862-03	9.2285-04	2.6436-02	4.1282+04	5.3203-04	3.0090+00
78	453.35	4.4681+00	7.3341-01	2.1707-03	7.3341-01	2.1707-03	9.6022-04	2.7507-02	4.2954+04	5.5337-04	3.3930+00
79	453.71	4.4930+00	7.2447-01	2.1448-03	7.2447-01	2.1448-03	9.4876-04	2.7178-02	4.2442+04	5.4677-04	3.7770+00
80	514.86	9.7538+00	1.7067+00	5.2830-03	1.7067+00	5.2830-03	2.3370-03	6.6945-02	1.0454+05	1.3504-03	2.4660+00
81	467.65	3.7704+00	6.3236-01	1.8909-03	6.3236-01	1.8909-03	8.3643-04	2.3961-02	3.7417+04	4.8233-04	3.0090+00
82	453.07	3.9345+00	6.4764-01	1.9165-03	6.4764-01	1.9165-03	8.4775-04	2.4285-02	3.7923+04	4.8855-04	3.3930+00
83	450.37	4.1371+00	6.7366-01	1.9897-03	6.7366-01	1.9897-03	8.8013-04	2.5213-02	3.9372+04	5.0715-04	3.7770+00
337	572.73	2.6329+01	5.2172+00	1.6879-02	5.2172+00	1.6879-02	7.4666-03	2.1389-01	3.3401+05	4.3261-03	7.1680+00
339	546.01	9.7195+00	1.9360+00	6.1353-03	1.9360+00	6.1353-03	2.7140-03	7.7745-02	1.2141+05	1.5705-03	8.1130+00
340	488.16	2.3512+00	4.4216-01	1.3419-03	4.4216-01	1.3419-03	5.9361-04	1.7005-02	2.6554+04	3.4261-04	8.6180+00
342	564.87	2.1032+01	4.2811+00	1.3766-02	4.2811+00	1.3766-02	6.0894-03	1.7444-01	2.7240+05	3.5269-03	7.1680+00
344	548.92	9.4379+00	1.8930+00	6.0126-03	1.8930+00	6.0126-03	2.6597-03	7.6190-02	1.1898+05	1.5393-03	8.1130+00
347	550.34	1.5951+01	3.1190+00	9.9173-03	3.1190+00	9.9173-03	4.3870-03	1.2567-01	1.9625+05	2.5392-03	7.1680+00
349	543.33	9.4982+00	1.8937+00	5.9892-03	1.8937+00	5.9892-03	2.6493-03	7.5893-02	1.1851+05	1.5329-03	8.1130+00
350	487.19	2.3600+00	4.1870-01	1.2698-03	4.1870-01	1.2698-03	5.6172-04	1.6091-02	2.5128+04	3.2419-04	8.6180+00
352	555.03	1.1895+01	2.2764+00	7.2643-03	2.2764+00	7.2643-03	3.2134-03	9.2051-02	1.4375+05	1.8603-03	7.1680+00
354	553.75	9.7995+00	1.9610+00	6.2518-03	1.9610+00	6.2518-03	2.7655-03	7.9221-02	1.2371+05	1.6009-03	8.1130+00
357	543.56	5.0639+00	9.5982-01	3.0361-03	9.5982-01	3.0361-03	1.3430-03	3.8472-02	6.0078+04	7.7709-04	7.1680+00
359	547.97	4.3340+00	8.0788-01	2.5641-03	8.0788-01	2.5641-03	1.1342-03	3.2492-02	5.0739+04	6.5642-04	8.1130+00
401	489.93	1.8700+01	1.5867+00	4.8219-03	1.5867+00	4.8219-03	2.1330-03	6.1102-02	9.5416+04	1.2312-03	4.5500-01
403	536.61	3.6917+01	3.1879+00	1.0031-02	3.1879+00	1.0031-02	4.4372-03	1.2711-01	1.9849+05	2.5666-03	6.8600-01
404	543.10	-1.3938+02	-1.2537+00	-2.1966-03	-1.2537+00	-2.1966-03	-9.7166-04	-2.7834-02	-4.3466+04	-5.3997-04	8.0100-01
405	619.89	7.1985+01	6.5249+00	2.1920-02	6.5249+00	2.1920-02	9.6963-03	2.7776-01	4.3375+05	5.6306-03	1.0510+00
406	620.86	8.0619+01	7.3551+00	2.4728-02	7.3551+00	2.4728-02	1.0939-02	3.1335-01	4.8933+05	6.3524-03	1.1670+00
407	647.58	8.9887+01	8.4689+00	2.9108-02	8.4689+00	2.9108-02	1.2876-02	3.6884-01	5.7598+05	7.4871-03	1.2830+00
408	527.36	3.5231+01	2.9888+00	9.3387-03	2.9888+00	9.3387-03	4.1310-03	1.1834-01	1.8479+05	2.3885-03	5.1300-01
409	474.84	1.3732+01	1.1468+00	3.4471-03	1.1468+00	3.4471-03	1.5248-03	4.3681-02	6.8211+04	8.7957-04	5.7000-01
410	511.02	3.0230+01	2.4923+00	7.6926-03	2.4923+00	7.6926-03	3.4028-03	9.7479-02	1.5222+05	1.9660-03	6.2800-01
411	477.70	1.5112+01	1.2645+00	3.8085-03	1.2645+00	3.8085-03	1.6847-03	4.8260-02	7.5362+04	9.7191-04	6.8600-01
412	521.54	3.4145+01	2.9212+00	9.0876-03	2.9212+00	9.0876-03	4.0199-03	1.1516-01	1.7983+05	2.3236-03	7.4400-01
413	484.22	1.9576+01	1.6549+00	5.0080-03	1.6549+00	5.0080-03	2.2153-03	6.3460-02	9.9098+04	1.2784-03	8.0100-01
414	551.84	5.2851+01	4.6063+00	1.4663-02	4.6063+00	1.4663-02	6.4864-03	1.8581-01	2.9016+05	3.7546-03	8.5900-01
415	495.70	2.7008+01	2.2866+00	6.9782-03	2.2866+00	6.9782-03	3.0868-03	8.8426-02	1.3808+05	1.7822-03	9.1700-01
416	526.29	3.5033+01	2.8081+00	8.7669-03	2.8081+00	8.7669-03	3.8781-03	1.1109-01	1.7348+05	2.2421-03	5.7000-01
417	602.96	7.6336+01	6.8542+00	2.2713-02	6.8542+00	2.2713-02	1.0047-02	2.8781-01	4.4945+05	5.8296-03	1.0520+00

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27 1 1.92 -10.08 .00 -.00 402 11 1.90 10.13 752.2 1779.4

8.62700+01 1.57330-02 1.13017+00 4.61046+03 1.53008-05 6.98787-08 8.46926-02 7.72000+00 7.24565-06 7.44534-02

1	458.78	2.3226+01	3.9065+00	1.1590-02	3.9065+00	1.1590-02	5.1067-03	1.4657-01	2.2926+05	2.9581-03	4.1100-01
2	470.82	5.4795+01	9.2910+00	2.7805-02	9.2910+00	2.7805-02	1.2251-02	3.5161-01	5.4998+05	7.1001-03	7.1100-01
3	459.89	4.6518+01	7.8299+00	2.3250-02	7.8299+00	2.3250-02	1.0244-02	2.9401-01	4.5987+05	5.9340-03	1.3070+00
4	488.71	7.3630+01	1.2633+01	3.8300-02	1.2633+01	3.8300-02	1.6875-02	4.8432-01	7.5756+05	9.7877-03	1.6410+00
5	495.53	4.7022+01	8.4826+00	2.5846-02	8.4826+00	2.5846-02	1.1387-02	3.2683-01	5.1122+05	6.6071-03	1.7720+00
6	510.97	8.6577+00	1.4848+00	4.5758-03	1.4848+00	4.5758-03	2.0161-03	5.7864-02	9.0509+04	1.1706-03	2.4660+00
7	471.32	3.8904+00	6.4830-01	1.9409-03	6.4830-01	1.9409-03	8.5513-04	2.4543-02	3.8390+04	4.9562-04	3.0090+00
8	455.33	8.6140+00	1.4074+00	4.1655-03	1.4074+00	4.1655-03	1.8353-03	5.2675-02	8.2393+04	1.0629-03	3.3930+00
9	447.77	8.1262+00	1.3209+00	3.8885-03	1.3209+00	3.8885-03	1.7132-03	4.9172-02	7.6913+04	9.9192-04	3.7770+00
10	467.14	8.2395+00	1.3611+00	4.0625-03	1.3611+00	4.0625-03	1.7899-03	5.1372-02	8.0354+04	1.0372-03	5.3230+00
14	455.40	4.3811+01	7.3519+00	2.1760-02	7.3519+00	2.1760-02	9.5875-03	2.7517-01	4.3042+05	5.5528-03	1.6880+00
15	453.79	5.4798+01	9.1855+00	2.7157-02	9.1855+00	2.7157-02	1.1965-02	3.4341-01	5.3715+05	6.9293-03	1.3070+00
16	473.45	5.7679+01	9.7974+00	2.9376-02	9.7974+00	2.9376-02	1.2943-02	3.7148-01	5.8105+05	7.5022-03	1.6410+00
19	461.53	1.4645+01	2.2441+00	6.6715-03	2.2441+00	6.6715-03	2.9394-03	8.4364-02	1.3196+05	1.7029-03	4.1100-01
20	454.39	1.5204+01	2.4303+00	7.1882-03	2.4303+00	7.1882-03	3.1671-03	9.0898-02	1.4218+05	1.8342-03	7.1100-01
21	454.14	4.5618+01	7.4026+00	2.1891-02	7.4026+00	2.1891-02	9.6450-03	2.7682-01	4.3300+05	5.5858-03	1.0880+00
22	445.17	5.0046+01	8.1200+00	2.3861-02	8.1200+00	2.3861-02	1.0513-02	3.0173-01	4.7196+05	6.0860-03	1.3070+00
23	594.74	3.3506-01	5.8815-02	1.9332-04	5.8815-02	1.9332-04	8.5174-05	2.4446-03	3.8238+03	4.9648-05	1.6410+00
24	472.37	4.0675+00	6.7224-01	2.0140-03	6.7224-01	2.0140-03	8.8737-04	2.5469-02	3.9837+04	5.1433-04	3.0090+00
25	459.16	3.0644+00	4.8992-01	1.4540-03	4.8992-01	1.4540-03	6.4062-04	1.8387-02	2.8760+04	3.7109-04	3.3930+00
26	452.44	2.7486+00	4.4012-01	1.2999-03	4.4012-01	1.2999-03	5.7275-04	1.6439-02	2.5713+04	3.3168-04	3.7770+00
27	449.92	1.0088+01	1.6077+00	4.7400-03	1.6077+00	4.7400-03	2.0884-03	5.9940-02	9.3757+04	1.2093-03	7.1100-01
28	443.87	2.6294+01	4.2369+00	1.2439-02	4.2369+00	1.2439-02	5.4803-03	1.5729-01	2.4603+05	3.1724-03	1.0880+00
29	450.00	4.7230+01	7.7579+00	2.2874-02	7.7579+00	2.2874-02	1.0078-02	2.8926-01	4.5245+05	5.8356-03	1.3070+00
30	472.35	4.7553+01	7.9534+00	2.3828-02	7.9534+00	2.3828-02	1.0499-02	3.0132-01	4.7132+05	6.0851-03	1.6410+00
31	486.61	2.7612+01	4.7310+00	1.4321-02	4.7310+00	1.4321-02	6.3098-03	1.8110-01	2.8327+05	3.6595-03	1.7720+00
32	513.62	1.4771+01	2.5374+00	7.8355-03	2.5374+00	7.8355-03	3.4523-03	9.9084-02	1.5498+05	2.0047-03	2.4660+00
33	474.95	7.8255+00	1.3150+00	3.9471-03	1.3150+00	3.9471-03	1.7390-03	4.9913-02	7.8072+04	1.0081-03	3.0090+00
34	454.71	3.8244+00	6.2459-01	1.8478-03	6.2459-01	1.8478-03	8.1413-04	2.3367-02	3.6549+04	4.7151-04	3.3930+00
35	448.26	3.2140+00	5.0062-01	1.4743-03	5.0062-01	1.4743-03	6.4956-04	1.8643-02	2.9161+04	3.7609-04	3.7770+00
36	453.39	4.7946+01	7.7999+00	2.3054-02	7.7999+00	2.3054-02	1.0157-02	2.9153-01	4.5599+05	5.8823-03	1.3070+00
37	515.11	1.4112+01	2.4553+00	7.5901-03	2.4553+00	7.5901-03	3.3441-03	9.5981-02	1.5013+05	1.9420-03	2.4660+00
38	474.92	1.0096+01	1.6713+00	5.0166-03	1.6713+00	5.0166-03	2.2103-03	6.3437-02	9.9227+04	1.2812-03	3.0090+00
39	451.61	4.6701+00	7.5653-01	2.2332-03	7.5653-01	2.2332-03	9.8393-04	2.8240-02	4.4172+04	5.6977-04	3.3930+00
40	445.80	2.5449+00	4.0690-01	1.1962-03	4.0690-01	1.1962-03	5.2704-04	1.5127-02	2.3660+04	3.0511-04	3.7770+00
41	449.67	1.8327+00	2.8754-01	8.4761-04	2.8754-01	8.4761-04	3.7345-04	1.0719-02	1.6766+04	2.1624-04	4.1620+00
43	464.68	2.1065+00	3.5155-01	1.0475-03	3.5155-01	1.0475-03	4.6150-04	1.3246-02	2.0719+04	2.6740-04	5.3230+00
47	464.13	3.4787+01	5.6469+00	1.6825-02	5.6469+00	1.6825-02	7.4128-03	2.1276-01	3.3279+05	4.2949-03	7.1100-01
48	457.43	3.9298+01	6.4685+00	1.9174-02	6.4685+00	1.9174-02	8.4477-03	2.4246-01	3.7925+05	4.8931-03	1.0880+00
49	450.89	3.5392+01	5.8343+00	1.7213-02	5.8343+00	1.7213-02	7.5841-03	2.1767-01	3.4048+05	4.3916-03	1.3070+00
50	487.18	4.2987+01	7.3034+00	2.2117-02	7.3034+00	2.2117-02	9.7448-03	2.7969-01	4.3748+05	5.6519-03	1.6410+00
51	497.84	2.5377+01	4.3798+00	1.3367-02	4.3798+00	1.3367-02	5.8896-03	1.6904-01	2.6440+05	3.4175-03	1.7720+00
52	495.25	4.3377+00	7.4739-01	2.2768-03	7.4739-01	2.2768-03	1.0031-03	2.8791-02	4.5034+04	5.8201-04	2.4660+00
53	465.19	5.6977+00	9.3714-01	2.7932-03	9.3714-01	2.7932-03	1.2307-03	3.5322-02	5.5250+04	7.1308-04	3.0090+00
54	448.03	4.4151+00	7.0915-01	2.0880-03	7.0915-01	2.0880-03	9.1997-04	2.6404-02	4.1301+04	5.3265-04	3.3930+00
55	444.94	3.9808+00	6.2639-01	1.8404-03	6.2639-01	1.8404-03	8.1085-04	2.3272-02	3.6402+04	4.6940-04	3.7770+00
56	453.73	7.6151+00	1.1719+00	3.4646-03	1.1719+00	3.4646-03	1.5265-03	4.3812-02	6.8529+04	8.8403-04	4.1100-01
57	459.00	2.3870+01	3.8392+00	1.1393-02	3.8392+00	1.1393-02	5.0195-03	1.4407-01	2.2534+05	2.9076-03	7.1100-01
58	444.49	2.2117+01	3.6085+00	1.0598-02	3.6085+00	1.0598-02	4.6695-03	1.3402-01	2.0963+05	2.7032-03	1.0880+00
59	444.75	2.4345+01	3.9845+00	1.1705-02	3.9845+00	1.1705-02	5.1572-03	1.4802-01	2.3152+05	2.9855-03	1.3070+00
60	471.95	2.0300+01	3.3944+00	1.0167-02	3.3944+00	1.0167-02	4.4793-03	1.2856-01	2.0109+05	2.5962-03	1.6410+00
61	459.15	2.4161+00	3.9459-01	1.1711-03	3.9459-01	1.1711-03	5.1596-04	1.4809-02	2.3163+04	2.9888-04	3.0090+00
62	445.75	3.3548+00	5.3800-01	1.5816-03	5.3800-01	1.5816-03	6.9683-04	2.0000-02	3.1283+04	4.0341-04	3.3930+00
63	446.83	2.6119+00	4.1154-01	1.2107-03	4.1154-01	1.2107-03	5.3343-04	1.5310-02	2.3948+04	3.0883-04	3.7770+00
64	439.09	1.3818+01	2.2930+00	6.7091-03	2.2930+00	6.7091-03	2.9560-03	8.4840-02	1.3270+05	1.7108-03	1.6880+00
65	436.95	1.2534+01	2.0767+00	6.0671-03	2.0767+00	6.0671-03	2.6731-03	7.6722-02	1.2001+05	1.5469-03	1.3070+00
66	465.67	2.0026+01	3.3840+00	1.0090-02	3.3840+00	1.0090-02	4.4455-03	1.2759-01	1.9957+05	2.5759-03	1.6410+00
69	453.54	8.6748+00	1.4539+00	4.2976-03	1.4539+00	4.2976-03	1.8935-03	5.4345-02	8.5005+04	1.0966-03	4.1100-01
70	440.27	2.0816+00	3.4569-01	1.0123-03	3.4569-01	1.0123-03	4.4602-04	1.2801-02	2.0023+04	2.5815-04	7.1100-01
71	437.92	7.1548+00	1.1828+00	3.4580-03	1.1828+00	3.4580-03	1.5236-03	4.3728-02	6.8398+04	8.8173-04	1.3070+00
72	451.55	7.1081+00	1.1897+00	3.5116-03	1.1897+00	3.5116-03	1.5472-03	4.4406-02	6.9459+04	8.9594-04	1.6410+00
73	454.18	3.2556+00	5.2511-01	1.5529-03	5.2511-01	1.5529-03	6.8420-04	1.9637-02	3.0716+04	3.9625-04	3.7770+00
74	472.72	3.1958+00	5.2988-01	1.5880-03	5.2988-01	1.5880-03	6.9964-04	2.0081-02	3.1409+04	4.0552-04	5.3230+00
77	460.43	5.1881+00	8.6592-01	2.5722-03	8.6592-01	2.5722-03	1.1333-03	3.2527-02	5.0878+04	6.5652-04	3.0090+00
78	446.54	7.0182+00	1.1466+00	3.3726-03	1.1466+00	3.3726-03	1.4860-03	4.2649-02	6.6710+04	8.6029-04	3.3930+00
79	443.71	5.6722+00	9.0836-01	2.6665-03	9.0836-01	2.6665-03	1.1748-03	3.3719-02	5.2742+04	6.8007-04	3.7770+00
80	513.64	9.1860+00	1.6061+00	4.9597-03	1.6061+00	4.9597-03	2.1852-03	6.2719-02	9.8102+04	1.2689-03	2.4660+00
81	468.73	4.8426+00	8.1278-01	2.4287-03	8.1278-01	2.4287-03	1.0701-03	3.0713-02	4.8040+04	6.2013-04	3.0090+00
82	450.45	6.3179+00	1.0381+00	3.0618-03	1.0381+00	3.0618-03	1.3490-03	3.8718-02	6.0562+04	7.8114-04	3.3930+00
83	444.16	6.3148+00	1.0239+00	3.0065-03	1.0239+00	3.0065-03	1.3246-03	3.8019-02	5.9468+04	7.6682-04	3.7770+00
337	557.90	2.5712+01	5.0505+00	1.6128-02	5.0505+00	1.6128-02	7.1058-03	2.0394-01	3.1900+05	4.1347-03	7.1680+00
339	538.96	1.3757+01	2.7284+00	8.5873-03	2.7284+00	8.5873-03	3.7835-03	1.0859-01	1.6985+05	2.1996-03	8.1130+00
340	488.17	4.4514+00	8.3714-01	2.5370-03	8.3714-01	2.5370-03	1.1178-03	3.2082-02	5.0181+04	6.4833-04	8.6180+00
342	557.86	2.4168+01	4.8990+00	1.5643-02	4.8990+00	1.5643-02	6.8924-03	1.9782-01	3.0942+05	4.0105-03	7.1680+00
344	537.59	1.1420+01	2.2748+00	7.1521-03	2.2748+00	7.1521-03	3.1512-03	9.0442-02	1.4147+05	1.8319-03	8.1130+00
347	528.63	1.0593+01	2.0441+00	6.3832-03	2.0441+00	6.3832-03	2.8124-03	8.0719-02	1.2626+05	1.6342-03	7.1680+00
349	523.97	9.2961+00	1.8315+00	5.6995-03	1.8315+00	5.6995-03	2.5111-03	7.2073-02	1.1273+05	1.4589-03	8.1130+00
350	482.73	2.2000+00	3.8918-01	1.1748-03	3.8918-01	1.1748-03	5.1760-04	1.4856-02	2.3237+04	3.0014-04	8.6180+00
352	522.52	3.8545+00	7.2317-01	2.2480-03	7.2317-01	2.2480-03	9.9045-04	2.8427-02	4.4465+04	5.7537-04	7.1680+00
354	531.15	4.7725+00	9.4200-01	2.9473-03	9.4200-01	2.9473-03	1.2986-03	3.7270-02	5.8297+04	7.5467-04	8.1130+00
357	512.53	7.5055+00	1.3955+00	4.3057-03	1.3955+00	4.3057-03	1.8971-03	5.4448-02	8.5165+04	1.1015-03	7.1680+00
359	516.46	4.8374+00	8.8436-01	2.7366-03	8.8436-01	2.7366-03	1.2057-03	3.4606-02	5.4130+04	7.0025-04	8.1130+00
401	480.95	3.5984+01	3.0354+00	9.1508-03	3.0354+00	9.1508-03	4.0318-03	1.1572-01	1.8100+05	2.3377-03	4.5500-01
403	467.37	1.4530+01	1.2003+00	3.5833-03	1.2003+00	3.5833-03	1.5788-03	4.5312-02	7.0876+04	9.1486-04	6.8600-01
404	1276.73	-3.4362+02	2.3087+01	3.1439-02	2.3087+01	3.1439-02	1.3852-02	3.9756-01	6.2185+05	7.5544-03	8.0100-01
405	489.51	5.1146+01	4.2873+00	1.3006-02	4.2873+00	1.3006-02	5.7302-03	1.6446-01	2.5725+05	3.3238-03	1.0510+00
406	499.22	7.7698+01	6.5932+00	2.0143-02	6.5932+00	2.0143-02	8.8750-03	2.5472-01	3.9843+05	5.1502-03	1.1670+00
407	507.34	9.2081+01	7.9946+00	2.4572-02	7.9946+00	2.4572-02	1.0826-02	3.1073-01	4.8603+05	6.2848-03	1.2830+00
408	473.08	2.3606+01	1.9340+00	5.7974-03	1.9340+00	5.7974-03	2.5543-03	7.3312-02	1.1467+05	1.4805-03	5.1300-01
409	457.35	8.2197+00	6.7847-01	2.0110-03	6.7847-01	2.0110-03	8.8602-04	2.5430-02	3.9777+04	5.1320-04	5.7000-01
410	474.19	2.4281+01	1.9546+00	5.8636-03	1.9546+00	5.8636-03	2.5835-03	7.4149-02	1.1598+05	1.4975-03	6.2800-01
411	460.04	1.0921+01	9.0309-01	2.6819-03	9.0309-01	2.6819-03	1.1816-03	3.3914-02	5.3047+04	6.8450-04	6.8600-01
412	473.65	1.8496+01	1.5343+00	4.6011-03	1.5343+00	4.6011-03	2.0272-03	5.8184-02	9.1009+04	1.1751-03	7.4400-01
413	461.32	1.3673+01	1.1383+00	3.3836-03	1.1383+00	3.3836-03	1.4908-03	4.2787-02	6.6926+04	8.6364-04	8.0100-01
414	477.47	3.3252+01	2.7654+00	8.3159-03	2.7654+00	8.3159-03	3.6639-03	1.0516-01	1.6449+05	2.1241-03	8.5900-01
415	458.49	1.4056+01	1.1611+00	3.4443-03	1.1611+00	3.4443-03	1.5175-03	4.3555-02	6.8127+04	8.7903-04	9.1700-01
416	483.44	3.3970+01	2.6494+00	8.0015-03	2.6494+00	8.0015-03	3.5254-03	1.0118-01	1.5827+05	2.0444-03	5.7000-01
417	498.77	6.7749+01	5.7130+00	1.7449-02	5.7130+00	1.7449-02	7.6877-03	2.2065-01	3.4513+05	4.4611-03	1.0520+00

27 1 1.91 -10.09 .00 -.00 4C2 11 2.15 10.13 752.2 1779.6

8.62790+01 1.57327-02 1.13016+00 4.61070+03 1.52989-05 6.98860-08 8.46779-02 7.72000+00 7.24651-06 7.44524-02

1	465.05	2.5406+01	4.2913+00	1.2790-02	4.2913+00	1.2790-02	5.6354-03	1.6173-01	2.5294+05	3.2646-03	4.1100-01
2	484.29	5.3051+01	9.0758+00	2.7427-02	9.0758+00	2.7427-02	1.2085-02	3.4683-01	5.4244+05	7.0069-03	7.1100-01
3	471.38	4.6065+01	7.8138+00	2.3394-02	7.8138+00	2.3394-02	1.0308-02	2.9583-01	4.6267+05	5.9730-03	1.3070+00
4	507.12	7.2766+01	1.2634+01	3.8824-02	1.2634+01	3.8824-02	1.7107-02	4.9095-01	7.6783+05	9.9286-03	1.6410+00
5	507.66	4.8041+01	8.7340+00	2.6851-02	8.7340+00	2.6851-02	1.1831-02	3.3954-01	5.3104+05	6.8669-03	1.7720+00
6	513.24	9.3070+00	1.5984+00	4.9344-03	1.5984+00	4.9344-03	2.1742-03	6.2399-02	9.7590+04	1.2623-03	2.4660+00
7	472.29	3.9657+00	6.6128-01	1.9811-03	6.6128-01	1.9811-03	8.7293-04	2.5052-02	3.9181+04	5.0585-04	3.0090+00
8	457.58	8.7922+00	1.4387+00	4.2650-03	1.4387+00	4.2650-03	1.8793-03	5.3934-02	8.4351+04	1.0883-03	3.3930+00
9	449.80	7.8400+00	1.2761+00	3.7621-03	1.2761+00	3.7621-03	1.6577-03	4.7574-02	7.4406+04	9.5966-04	3.7770+00
10	469.21	8.2223+00	1.3601+00	4.0657-03	1.3601+00	4.0657-03	1.7914-03	5.1413-02	8.0408+04	1.0380-03	5.3230+00
14	466.03	4.2517+01	7.1862+00	2.1432-02	7.1862+00	2.1432-02	9.4436-03	2.7102-01	4.2388+05	5.4709-03	1.0880+00
15	467.50	5.4282+01	9.1837+00	2.7419-02	9.1837+00	2.7419-02	1.2081-02	3.4672-01	5.4227+05	6.9994-03	1.3070+00
16	487.84	5.7314+01	9.8279+00	2.9777-02	9.8279+00	2.9777-02	1.3120-02	3.7654-01	5.8890+05	7.6083-03	1.6410+00
19	465.26	1.4763+01	2.2679+00	6.7600-03	2.2679+00	6.7600-03	2.9786-03	8.5484-02	1.3370+05	1.7255-03	4.1100-01
20	458.15	1.5038+01	2.4100+00	7.1473-03	2.4100+00	7.1473-03	3.1493-03	9.0382-02	1.4136+05	1.8238-03	7.1100-01
21	465.04	4.2946+01	7.0205+00	2.0923-02	7.0205+00	2.0923-02	9.2193-03	2.6459-01	4.1381+05	5.3408-03	1.0880+00
22	457.73	4.9812+01	8.1518+00	2.4168-02	8.1518+00	2.4168-02	1.0649-02	3.0562-01	4.7798+05	6.1670-03	1.3070+00
23	594.87	3.1376-01	5.5080-02	1.8106-04	5.5080-02	1.8106-04	7.9778-05	2.2896-03	3.5808+03	4.6493-05	1.6410+00
24	473.40	4.0925+00	6.7682-01	2.0293-03	6.7682-01	2.0293-03	8.9416-04	2.5662-02	4.0134+04	5.1818-04	3.0090+00
25	459.94	3.0940+00	4.9492-01	1.4696-03	4.9492-01	1.4696-03	6.4756-04	1.8584-02	2.9066+04	3.7505-04	3.3930+00
26	453.16	2.9070+00	4.6572-01	1.3763-03	4.6572-01	1.3763-03	6.0641-04	1.7404-02	2.7219+04	3.5111-04	3.7770+00
27	452.21	9.5117+00	1.5182+00	4.4834-03	1.5182+00	4.4834-03	1.9755-03	5.6695-02	8.8670+04	1.1438-03	7.1100-01
28	449.95	2.4660+01	3.9902+00	1.1765-02	3.9902+00	1.1765-02	5.1838-03	1.4877-01	2.3268+05	3.0010-03	1.0880+00
29	461.79	4.6853+01	7.7580+00	2.3068-02	7.7580+00	2.3068-02	1.0164-02	2.9170-01	4.5622+05	5.8872-03	1.3070+00
30	484.35	4.7551+01	8.0163+00	2.4226-02	8.0163+00	2.4226-02	1.0675-02	3.0635-01	4.7913+05	6.1892-03	1.6410+00
31	493.60	2.7855+01	4.7944+00	1.4587-02	4.7944+00	1.4587-02	6.4275-03	1.8446-01	2.8850+05	3.7282-03	1.7720+00
32	517.40	1.5088+01	2.5981+00	8.0455-03	2.5981+00	8.0455-03	3.5450-03	1.0174-01	1.5912+05	2.0585-03	2.4660+00
33	476.94	7.9174+00	1.3322+00	4.0045-03	1.3322+00	4.0045-03	1.7645-03	5.0639-02	7.9198+04	1.0227-03	3.0090+00
34	455.68	3.8753+00	6.3332-01	1.8749-03	6.3332-01	1.8749-03	8.2613-04	2.3709-02	3.7081+04	4.7838-04	3.3930+00
35	449.07	3.2431+00	5.0543-01	1.4893-03	5.0543-01	1.4893-03	6.5622-04	1.8833-02	2.9455+04	3.7988-04	3.7770+00
36	465.31	4.7491+01	7.7884+00	2.3216-02	7.7884+00	2.3216-02	1.0230-02	2.9358-01	4.5916+05	5.9261-03	1.3070+00
37	518.70	1.4548+01	2.5369+00	7.8635-03	2.5369+00	7.8635-03	3.4649-03	9.9439-02	1.5552+05	2.0120-03	2.4660+00
38	477.47	1.0026+01	1.6626+00	4.9996-03	1.6626+00	4.9996-03	2.2029-03	6.3223-02	9.8879+04	1.2769-03	3.0090+00
39	452.81	4.7771+00	7.7450-01	2.2882-03	7.7450-01	2.2882-03	1.0082-03	2.8935-02	4.5255+04	5.8376-04	3.3930+00
40	446.45	2.6114+00	4.1772-01	1.2286-03	4.1772-01	1.2286-03	5.4134-04	1.5536-02	2.4298+04	3.1334-04	3.7770+00
41	450.11	1.8286+00	2.8697-01	8.4621-04	2.8697-01	8.4621-04	3.7286-04	1.0701-02	1.6736+04	2.1586-04	4.1620+00
43	465.20	2.1107+00	3.5237-01	1.0503-03	3.5237-01	1.0503-03	4.6278-04	1.3282-02	2.0772+04	2.6809-04	5.3230+00
47	472.82	3.4366+01	5.6131+00	1.6822-02	5.6131+00	1.6822-02	7.4124-03	2.1273-01	3.3270+05	4.2955-03	7.1100-01
48	467.16	3.8259+01	6.3390+00	1.8921-02	6.3390+00	1.8921-02	8.3370-03	2.3926-01	3.7421+05	4.8301-03	1.0880+00
49	459.63	3.4876+01	5.7836+00	1.7170-02	5.7836+00	1.7170-02	7.5656-03	2.1713-01	3.3958+05	4.3817-03	1.3070+00
50	497.93	4.2443+01	7.2614+00	2.2164-02	7.2614+00	2.2164-02	9.7660-03	2.8028-01	4.3835+05	5.6658-03	1.6410+00
51	504.24	2.5453+01	4.4110+00	1.3526-02	4.4110+00	1.3526-02	5.9601-03	1.7105-01	2.6752+05	3.4587-03	1.7720+00
52	496.32	4.3662+00	7.5283-01	2.2951-03	7.5283-01	2.2951-03	1.0113-03	2.9023-02	4.5392+04	5.8666-04	2.4660+00
53	466.61	5.6468+00	9.2965-01	2.7738-03	9.2965-01	2.7738-03	1.2222-03	3.5076-02	5.4858+04	7.0807-04	3.0090+00
54	449.14	4.4665+00	7.1795-01	2.1156-03	7.1795-01	2.1156-03	9.3219-04	2.6753-02	4.1842+04	5.3964-04	3.3930+00
55	445.93	3.9855+00	6.2756-01	1.8451-03	6.2756-01	1.8451-03	8.1298-04	2.3332-02	3.6491+04	4.7057-04	3.7770+00
56	455.88	8.3003+00	1.2792+00	3.7877-03	1.2792+00	3.7877-03	1.6689-03	4.7897-02	7.4911+04	9.6643-04	4.1100-01
57	465.12	2.4311+01	3.9263+00	1.1702-02	3.9263+00	1.1702-02	5.1563-03	1.4798-01	2.3144+05	2.9871-03	7.1100-01
58	449.97	2.1992+01	3.6015+00	1.0619-02	3.6015+00	1.0619-02	4.6790-03	1.3428-01	2.1002+05	2.7087-03	1.0880+00
59	450.78	2.4073+01	3.9563+00	1.1672-02	3.9563+00	1.1672-02	5.1429-03	1.4760-01	2.3084+05	2.9774-03	1.3070+00
60	477.04	2.0463+01	3.4331+00	1.0321-02	3.4331+00	1.0321-02	4.5475-03	1.3051-01	2.0411+05	2.6358-03	1.6410+00
61	459.74	2.4784+00	4.0493-01	1.2023-03	4.0493-01	1.2023-03	5.2974-04	1.5203-02	2.3778+04	3.0681-04	3.0090+00
62	446.58	3.3714+00	5.4098-01	1.5912-03	5.4098-01	1.5912-03	7.0114-04	2.0122-02	3.1471+04	4.0584-04	3.3930+00
63	447.49	2.5771+00	4.0624-01	1.1957-03	4.0624-01	1.1957-03	5.2684-04	1.5120-02	2.3647+04	3.0497-04	3.7770+00
64	442.57	1.3838+01	2.3019+00	6.7516-03	2.3019+00	6.7516-03	2.9749-03	8.5378-02	1.3353+05	1.7217-03	1.0880+00
65	440.06	1.2413+01	2.0612+00	6.0349-03	2.0612+00	6.0349-03	2.6591-03	7.6315-02	1.1936+05	1.5388-03	1.3070+00
66	470.57	1.9505+01	3.3067+00	9.8942-03	3.3067+00	9.8942-03	4.3596-03	1.2512-01	1.9568+05	2.5262-03	1.6410+00
69	455.90	9.8026+00	1.6455+00	4.8722-03	1.6455+00	4.8722-03	2.1468-03	6.1612-02	9.6360+04	1.2432-03	4.1100-01
70	440.78	2.1107+00	3.5065-01	1.0272-03	3.5065-01	1.0272-03	4.5260-04	1.2989-02	2.0315+04	2.6192-04	7.1100-01
71	439.69	7.1101+00	1.1769+00	3.4449-03	1.1769+00	3.4449-03	1.5179-03	4.3563-02	6.8131+04	8.7835-04	1.3070+00
72	453.25	7.0681+00	1.1843+00	3.5002-03	1.1843+00	3.5002-03	1.5422-03	4.4261-02	6.9224+04	8.9296-04	1.6410+00
73	454.99	3.1647+00	5.1073-01	1.5113-03	5.1073-01	1.5113-03	6.6590-04	1.9111-02	2.9889+04	3.8558-04	3.7770+00
74	473.51	3.2208+00	5.3430-01	1.6021-03	5.3430-01	1.6021-03	7.0593-04	2.0260-02	3.1686+04	4.0910-04	5.3230+00
77	461.70	5.1138+00	8.5425-01	2.5398-03	8.5425-01	2.5398-03	1.1191-03	3.2117-02	5.0231+04	6.4820-04	3.0090+00
78	448.28	6.8769+00	1.1249+00	3.3127-03	1.1249+00	3.3127-03	1.4597-03	4.1891-02	6.5517+04	8.4497-04	3.3930+00
79	445.14	5.7023+00	9.1409-01	2.6860-03	9.1409-01	2.6860-03	1.1835-03	3.3966-02	5.3122+04	6.8501-04	3.7770+00
80	516.01	9.7356+00	1.7048+00	5.2737-03	1.7048+00	5.2737-03	2.3237-03	6.6688-02	1.0430+05	1.3492-03	2.4660+00
81	469.92	4.7242+00	7.9353-01	2.3733-03	7.9353-01	2.3733-03	1.0457-03	3.0011-02	4.6937+04	6.0592-04	3.0090+00
82	452.00	6.3912+00	1.0512+00	3.1040-03	1.0512+00	3.1040-03	1.3677-03	3.9252-02	6.1390+04	7.9186-04	3.3930+00
83	445.73	6.4083+00	1.0402+00	3.0577-03	1.0402+00	3.0577-03	1.3473-03	3.8667-02	6.0474+04	7.7983-04	3.7770+00
337	564.35	2.5838+01	5.0947+00	1.6350-02	5.0947+00	1.6350-02	7.2044-03	2.0676-01	3.2337+05	4.1925-03	7.1680+00
339	542.42	1.3806+01	2.7440+00	8.6590-03	2.7440+00	8.6590-03	3.8154-03	1.0950-01	1.7125+05	2.2180-03	8.1130+00
340	489.26	4.4852+00	8.4409-01	2.5601-03	8.4409-01	2.5601-03	1.1280-03	3.2374-02	5.0632+04	6.5418-04	8.6180+00
342	563.91	2.4105+01	4.9039+00	1.5733-02	4.9039+00	1.5733-02	6.9321-03	1.9895-01	3.1115+05	4.0339-03	7.1680+00
344	540.43	1.1358+01	2.2664+00	7.1412-03	2.2664+00	7.1412-03	3.1466-03	9.0304-02	1.4123+05	1.8290-03	8.1130+00
347	531.30	1.0731+01	2.0740+00	6.4899-03	2.0740+00	6.4899-03	2.8596-03	8.2069-02	1.2835+05	1.6615-03	7.1680+00
349	526.30	9.3423+00	1.8433+00	5.7462-03	1.8433+00	5.7462-03	2.5319-03	7.2664-02	1.1365+05	1.4708-03	8.1130+00
350	483.27	2.2255+00	3.9382-01	1.1892-03	3.9382-01	1.1892-03	5.2401-04	1.5039-02	2.3520+04	3.0381-04	8.6180+00
352	523.38	3.6099+00	6.7762-01	2.1078-03	6.7762-01	2.1078-03	9.2873-04	2.6654-02	4.1686+04	5.3943-04	7.1680+00
354	532.28	4.6712+00	9.2265-01	2.8892-03	9.2265-01	2.8892-03	1.2731-03	3.6536-02	5.7141+04	7.3973-04	8.1130+00
357	514.30	7.2239+00	1.3446+00	4.1543-03	1.3446+00	4.1543-03	1.8305-03	5.2533-02	8.2161+04	1.0627-03	7.1680+00
359	517.56	4.5029+00	8.2377-01	2.5512-03	8.2377-01	2.5512-03	1.1241-03	3.2262-02	5.0457+04	6.5275-04	8.1130+00
401	489.73	3.4336+01	2.9130+00	8.8381-03	2.9130+00	8.8381-03	3.8943-03	1.1176-01	1.7480+05	2.2585-03	4.5500-01
403	471.06	1.4666+01	1.2145+00	3.6353-03	1.2145+00	3.6353-03	1.6018-03	4.5970-02	7.1896+04	9.2816-04	6.8600-01
404	1342.91	-3.4434+02	2.5821+01	3.4487-02	2.5821+01	3.4487-02	1.5196-02	4.3610-01	6.8205+05	8.2694-03	8.0100-01
405	502.31	5.0461+01	4.2649+00	1.3060-02	4.2649+00	1.3060-02	5.7545-03	1.6515-01	2.5829+05	3.3391-03	1.0510+00
406	518.25	7.4261+01	6.3782+00	1.9764-02	6.3782+00	1.9764-02	8.7083-03	2.4992-01	3.9087+05	5.0568-03	1.1670+00
407	529.82	8.7849+01	7.7354+00	2.4178-02	7.7354+00	2.4178-02	1.0653-02	3.0575-01	4.7818+05	6.1896-03	1.2830+00
408	479.07	2.4411+01	2.0079+00	6.0449-03	2.0079+00	6.0449-03	2.6635-03	7.6442-02	1.1955+05	1.5440-03	5.1300-01
409	459.51	9.0779+00	7.5041-01	2.2276-03	7.5041-01	2.2276-03	9.8154-04	2.8170-02	4.4057+04	5.6847-04	5.7000-01
410	480.48	2.4783+01	2.0033+00	6.0374-03	2.0033+00	6.0374-03	2.6602-03	7.6346-02	1.1940+05	1.5421-03	6.2800-01
411	462.92	1.1726+01	9.7156-01	2.8911-03	9.7156-01	2.8911-03	1.2739-03	3.6560-02	5.7179+04	7.3790-04	6.8600-01
412	478.48	1.8679+01	1.5544+00	4.6778-03	1.5544+00	4.6778-03	2.0611-03	5.9153-02	9.2514+04	1.1947-03	7.4400-01
413	464.70	1.3565+01	1.1320+00	3.3728-03	1.1320+00	3.3728-03	1.4881-03	4.2651-02	6.6705+04	8.6090-04	8.0100-01
414	485.88	3.2928+01	2.7536+00	8.3311-03	2.7536+00	8.3311-03	3.6709-03	1.0535-01	1.6477+05	2.1285-03	8.5900-01
415	462.06	1.4271+01	1.1817+00	3.5143-03	1.1817+00	3.5143-03	1.5485-03	4.4440-02	6.9503+04	8.9691-04	9.1700-01
416	492.02	3.2998+01	2.5880+00	7.8652-03	2.5880+00	7.8652-03	3.4656-03	9.9460-02	1.5555+05	2.0100-03	5.7000-01
417	515.33	6.4461+01	5.4934+00	1.6985-02	5.4934+00	1.6985-02	7.4839-03	2.1478-01	3.3592+05	4.3452-03	1.0520+00

27 1 1.92 -10.08 .00 -.00 402 11 2.40 10.13 752.2 1780.1

8.63062+01 1.57319-02 1.13010+00 4.61143+03 1.52934-05 6.99080-08 8.46339-02 7.72000+00 7.24908-06 7.44493-02

1	471.59	2.6549+01	4.5040+00	1.3490-02	4.5040+00	1.3490-02	5.9454-03	1.7059-01	2.6671+05	3.4421-03	4.1100-01
2	497.26	5.1677+01	8.9156+00	2.7208-02	8.9156+00	2.7208-02	1.1991-02	3.4405-01	5.3790+05	6.9500-03	7.1100-01
3	482.83	4.5586+01	7.7914+00	2.3527-02	7.7914+00	2.3527-02	1.0369-02	2.9752-01	4.6515+05	6.0061-03	1.3070+00
4	525.15	7.1661+01	1.2584+01	3.9206-02	1.2584+01	3.9206-02	1.7278-02	4.9578-01	7.7511+05	1.0027-02	1.6410+00
5	519.74	4.7915+01	8.7777+00	2.7237-02	8.7777+00	2.7237-02	1.2004-02	3.4443-01	5.3849+05	6.9646-03	1.7720+00
6	515.65	9.8042+00	1.6864+00	5.2169-03	1.6864+00	5.2169-03	2.2991-03	6.5970-02	1.0314+05	1.3337-03	2.4660+00
7	473.30	4.1039+00	6.8478-01	2.0536-03	6.8478-01	2.0536-03	9.0505-04	2.5969-02	4.0601+04	5.2403-04	3.0090+00
8	459.78	8.7039+00	1.4264+00	4.2363-03	1.4264+00	4.2363-03	1.8670-03	5.3571-02	8.3754+04	1.0804-03	3.3930+00
9	451.71	7.6457+00	1.2461+00	3.6797-03	1.2461+00	3.6797-03	1.6217-03	4.6532-02	7.2750+04	9.3808-04	3.7770+00
10	471.25	8.2114+00	1.3602+00	4.0730-03	1.3602+00	4.0730-03	1.7950-03	5.1505-02	8.0525+04	1.0392-03	5.3230+00
14	476.59	4.2114+01	7.1684+00	2.1549-02	7.1684+00	2.1549-02	9.4968-03	2.7249-01	4.2602+05	5.4994-03	1.0880+00
15	481.04	5.3485+01	9.1305+00	2.7536-02	9.1305+00	2.7536-02	1.2135-02	3.4820-01	5.4439+05	7.0287-03	1.3070+00
16	502.13	5.6762+01	9.8235+00	3.0086-02	9.8235+00	3.0086-02	1.3259-02	3.8045-01	5.9481+05	7.6870-03	1.6410+00
19	468.93	1.4699+01	2.2636+00	6.7671-03	2.2636+00	6.7671-03	2.9823-03	8.5573-02	1.3379+05	1.7264-03	4.1100-01
20	461.93	1.4937+01	2.3998+00	7.1384-03	2.3998+00	7.1384-03	3.1460-03	9.0269-02	1.4113+05	1.8206-03	7.1100-01
21	475.45	4.1476+01	6.8275+00	2.0507-02	6.8275+00	2.0507-02	9.0377-03	2.5932-01	4.0543+05	5.2333-03	1.0880+00
22	470.13	4.9251+01	8.1275+00	2.4318-02	8.1275+00	2.4318-02	1.0717-02	3.0751-01	4.8078+05	6.2044-03	1.3070+00
23	594.93	1.6104-01	2.8270-02	9.2963-05	2.8270-02	9.2963-05	4.0970-05	1.1756-03	1.8379+03	2.3854-05	1.6410+00
24	474.42	4.0727+00	6.7401-01	2.0229-03	6.7401-01	2.0229-03	8.9154-04	2.5581-02	3.9994+04	5.1622-04	3.0090+00
25	460.73	3.1304+00	5.0100-01	1.4890-03	5.0100-01	1.4890-03	6.5621-04	1.8829-02	2.9437+04	3.7973-04	3.3930+00
26	453.93	3.0281+00	4.8536-01	1.4355-03	4.8536-01	1.4355-03	6.3265-04	1.8153-02	2.8381+04	3.6600-04	3.7770+00
27	454.55	9.6655+00	1.5452+00	4.5721-03	1.5452+00	4.5721-03	2.0150-03	5.7816-02	9.0391+04	1.1657-03	7.1100-01
28	455.99	2.4512+01	3.9826+00	1.1796-02	3.9826+00	1.1796-02	5.1988-03	1.4917-01	2.3322+05	3.0078-03	1.0880+00
29	473.45	4.6316+01	7.7291+00	2.3181-02	7.7291+00	2.3181-02	1.0216-02	2.9314-01	4.5831+05	5.9153-03	1.3070+00
30	496.22	4.7048+01	7.9929+00	2.4373-02	7.9929+00	2.4373-02	1.0742-02	3.0821-01	4.8187+05	6.2257-03	1.6410+00
31	500.59	2.7950+01	4.8324+00	1.4783-02	4.8324+00	1.4783-02	6.5151-03	1.8694-01	2.9227+05	3.7768-03	1.7720+00
32	521.18	1.5225+01	2.6279+00	8.1631-03	2.6279+00	8.1631-03	3.5976-03	1.0323-01	1.6139+05	2.0874-03	2.4660+00
33	478.92	7.9538+00	1.3401+00	4.0351-03	1.3401+00	4.0351-03	1.7783-03	5.1026-02	7.9775+04	1.0299-03	3.0090+00
34	456.64	3.9309+00	6.4283-01	1.9049-03	6.4283-01	1.9049-03	8.3952-04	2.4089-02	3.7661+04	4.8573-04	3.3930+00
35	449.88	3.2488+00	5.0661-01	1.4941-03	5.0661-01	1.4941-03	6.5845-04	1.8893-02	2.9538+04	3.8085-04	3.7770+00
36	477.15	4.7100+01	7.7854+00	2.3413-02	7.7854+00	2.3413-02	1.0318-02	2.9607-01	4.6288+05	5.9753-03	1.3070+00
37	522.39	1.4909+01	2.6058+00	8.1018-03	2.6058+00	8.1018-03	3.5706-03	1.0245-01	1.6018+05	2.0719-03	2.4660+00
38	479.92	9.8566+00	1.6372+00	4.9333-03	1.6372+00	4.9333-03	2.1742-03	6.2384-02	9.7532+04	1.2592-03	3.0090+00
39	453.94	4.7527+00	7.7113-01	2.2807-03	7.7113-01	2.2807-03	1.0051-03	2.8841-02	4.5091+04	5.8149-04	3.3930+00
40	447.10	2.6275+00	4.2048-01	1.2376-03	4.2048-01	1.2376-03	5.4543-04	1.5650-02	2.4468+04	3.1544-04	3.7770+00
41	450.55	1.8727+00	2.9399-01	8.6743-04	2.9399-01	8.6743-04	3.8229-04	1.0969-02	1.7149+04	2.2113-04	4.1620+00
43	465.75	2.1106+00	3.5250-01	1.0514-03	3.5250-01	1.0514-03	4.6336-04	1.3295-02	2.0786+04	2.6820-04	5.3230+00
47	481.35	3.3621+01	5.5225+00	1.6658-02	5.5225+00	1.6658-02	7.3416-03	2.1065-01	3.2934+05	4.2523-03	7.1100-01
48	476.59	3.7014+01	6.1713+00	1.8551-02	6.1713+00	1.8551-02	8.1758-03	2.3459-01	3.6677+05	4.7345-03	1.0880+00
49	468.33	3.4540+01	5.7615+00	1.7216-02	5.7615+00	1.7216-02	7.5875-03	2.1771-01	3.4038+05	4.3922-03	1.3070+00
50	508.45	4.1602+01	7.1655+00	2.2048-02	7.1655+00	2.2048-02	9.7169-03	2.7881-01	4.3590+05	5.6349-03	1.6410+00
51	510.62	2.5391+01	4.4182+00	1.3617-02	4.4182+00	1.3617-02	6.0010-03	1.7219-01	2.6921+05	3.4804-03	1.7720+00
52	497.42	4.4203+00	7.6269-01	2.3278-03	7.6269-01	2.3278-03	1.0259-03	2.9436-02	4.6021+04	5.9462-04	2.4660+00
53	468.01	5.6083+00	9.2419-01	2.7610-03	9.2419-01	2.7610-03	1.2168-03	3.4915-02	5.4587+04	7.0438-04	3.0090+00
54	450.29	4.3283+00	6.9629-01	2.0540-03	6.9629-01	2.0540-03	9.0524-04	2.5974-02	4.0609+04	5.2361-04	3.3930+00
55	446.92	3.9595+00	6.2390-01	1.8361-03	6.2390-01	1.8361-03	8.0920-04	2.3218-02	3.6300+04	4.6799-04	3.7770+00
56	457.99	8.4707+00	1.3074+00	3.8779-03	1.3074+00	3.8779-03	1.7090-03	4.9038-02	7.6667+04	9.8887-04	4.1100-01
57	471.21	2.4244+01	3.9315+00	1.1772-02	3.9315+00	1.1772-02	5.1883-03	1.4887-01	2.3274+05	3.0037-03	7.1100-01
58	455.43	2.1987+01	3.6142+00	1.0701-02	3.6142+00	1.0701-02	4.7159-03	1.3532-01	2.1156+05	2.7284-03	1.0880+00
59	456.74	2.3923+01	3.9484+00	1.1701-02	3.9484+00	1.1701-02	5.1569-03	1.4797-01	2.3134+05	2.9837-03	1.3070+00
60	482.19	2.0582+01	3.4649+00	1.0458-02	3.4649+00	1.0458-02	4.6090-03	1.3225-01	2.0676+05	2.6697-03	1.6410+00
61	460.36	2.5148+00	4.1105-01	1.2213-03	4.1105-01	1.2213-03	5.3825-04	1.5444-02	2.4146+04	3.1147-04	3.0090+00
62	447.41	3.3184+00	5.3278-01	1.5685-03	5.3278-01	1.5685-03	6.9126-04	1.9834-02	3.1010+04	3.9979-04	3.3930+00
63	448.12	2.5449+00	4.0134-01	1.1821-03	4.0134-01	1.1821-03	5.2097-04	1.4948-02	2.3371+04	3.0131-04	3.7770+00
64	446.02	1.3637+01	2.2738+00	6.6876-03	2.2738+00	6.6876-03	2.9473-03	8.4568-02	1.3222+05	1.7065-03	1.0880+00
65	443.14	1.2420+01	2.0668+00	6.0663-03	2.0668+00	6.0663-03	2.6735-03	7.6711-02	1.1993+05	1.5459-03	1.3070+00
66	475.37	1.9305+01	3.2834+00	9.8612-03	3.2834+00	9.8612-03	4.3460-03	1.2470-01	1.9496+05	2.5165-03	1.6410+00
69	458.50	1.0658+01	1.7923+00	5.3182-03	1.7923+00	5.3182-03	2.3438-03	6.7252-02	1.0514+05	1.3562-03	4.1100-01
70	441.31	2.0966+00	3.4844-01	1.0214-03	3.4844-01	1.0214-03	4.5015-04	1.2916-02	2.0194+04	2.6027-04	7.1100-01
71	441.46	7.1397+00	1.1832+00	3.4688-03	1.1832+00	3.4688-03	1.5288-03	4.3865-02	6.8580+04	8.8392-04	1.3070+00
72	455.03	7.2026+00	1.2084+00	3.5767-03	1.2084+00	3.5767-03	1.5763-03	4.5229-02	7.0712+04	9.1194-04	1.6410+00
73	455.78	3.1460+00	5.0799-01	1.5044-03	5.0799-01	1.5044-03	6.6301-04	1.9024-02	2.9743+04	3.8359-04	1.7770+00
74	474.31	3.1584+00	5.2424-01	1.5733-03	5.2424-01	1.5733-03	6.9337-04	1.9895-02	3.1105+04	4.0148-04	5.3230+00
77	462.95	5.1086+00	8.5410-01	2.5424-03	8.5410-01	2.5424-03	1.1205-03	3.2150-02	5.0264+04	6.4846-04	3.0090+00
78	449.99	6.5777+00	1.0772+00	3.1771-03	1.0772+00	3.1771-03	1.4002-03	4.0176-02	6.2812+04	8.0988-04	3.3930+00
79	446.55	5.6649+00	9.0897-01	2.6744-03	9.0897-01	2.6744-03	1.1786-03	3.3819-02	5.2873+04	6.8163-04	3.7770+00
80	518.51	1.0235+01	1.7950+00	5.5648-03	1.7950+00	5.5648-03	2.4525-03	7.0370-02	1.1002+05	1.4228-03	2.4660+00
81	471.09	4.7174+00	7.9301-01	2.3744-03	7.9301-01	2.3744-03	1.0464-03	3.0025-02	4.6943+04	6.0582-04	3.0090+00
82	453.60	6.6535+00	1.0956+00	3.2396-03	1.0956+00	3.2396-03	1.4277-03	4.0966-02	6.4047+04	8.2594-04	3.3930+00
83	447.35	6.4914+00	1.0548+00	3.1053-03	1.0548+00	3.1053-03	1.3685-03	3.9268-02	6.1392+04	7.9148-04	3.7770+00
337	570.82	2.5746+01	5.0959+00	1.6442-02	5.0959+00	1.6442-02	7.2462-03	2.0792-01	3.2506+05	4.2141-03	7.1680+00
339	545.87	1.3905+01	2.7695+00	8.7653-03	2.7695+00	8.7653-03	3.8630-03	1.1084-01	1.7329+05	2.2440-03	8.1130+00
340	490.42	4.5797+00	8.6253-01	2.6190-03	8.6253-01	2.6190-03	1.1542-03	3.3119-02	5.1779+04	6.6881-04	8.6180+00
342	569.91	2.3977+01	4.8949+00	1.5782-02	4.8949+00	1.5782-02	6.9554-03	1.9957-01	3.1202+05	4.0448-03	7.1680+00
344	543.27	1.1296+01	2.2580+00	7.1322-03	2.2580+00	7.1322-03	3.1433-03	9.0191-02	1.4101+05	1.8257-03	8.1130+00
347	534.02	1.0831+01	2.0968+00	6.5767-03	2.0968+00	6.5767-03	2.8984-03	8.3166-02	1.3002+05	1.6828-03	7.1680+00
349	528.64	9.3917+00	1.8557+00	5.7969-03	1.8557+00	5.7969-03	2.5548-03	7.3305-02	1.1461+05	1.4829-03	8.1130+00
350	483.84	2.2539+00	3.9893-01	1.2055-03	3.9893-01	1.2055-03	5.3129-04	1.5245-02	2.3834+04	3.0776-04	8.6180+00
352	524.30	3.6566+00	6.8679-01	2.1384-03	6.8679-01	2.1384-03	9.4243-04	2.7041-02	4.2277+04	5.4691-04	7.1680+00
354	533.43	4.6005+00	9.0934-01	2.8509-03	9.0934-01	2.8509-03	1.2564-03	3.6051-02	5.6363+04	7.2942-04	8.1130+00
357	516.09	7.2016+00	1.3420+00	4.1529-03	1.3420+00	4.1529-03	1.8302-03	5.2516-02	8.2105+04	1.0617-03	7.1680+00
359	518.68	4.4722+00	8.1874-01	2.5385-03	8.1874-01	2.5385-03	1.1188-03	3.2101-02	5.0188+04	6.4907-04	8.1130+00
401	498.13	3.2878+01	2.8045+00	8.5641-03	2.8045+00	8.5641-03	3.7743-03	1.0830-01	1.6932+05	2.1877-03	4.5500-01
403	474.70	1.4623+01	1.2139+00	3.6440-03	1.2139+00	3.6440-03	1.6059-03	4.6080-02	7.2042+04	9.2990-04	6.8600-01
404	1464.57	-4.4088+02	3.9557+01	5.1049-02	3.9557+01	5.1049-02	2.2498-02	6.4554-01	1.0093+06	1.2191-02	8.0100-01
405	514.76	4.9443+01	4.2121+00	1.3021-02	4.2121+00	1.3021-02	5.7387-03	1.6466-01	2.5744+05	3.3289-03	1.0510+00
406	536.38	7.0887+01	6.1572+00	1.9347-02	6.1572+00	1.9347-02	8.5263-03	2.4465-01	3.8249+05	4.9507-03	1.1670+00
407	551.25	8.4033+01	7.4968+00	2.3825-02	7.4968+00	2.3825-02	1.0500-02	3.0128-01	4.7102+05	6.1008-03	1.2830+00
408	485.27	2.4768+01	2.0456+00	6.1880-03	2.0456+00	6.1880-03	2.7271-03	7.8251-02	1.2234+05	1.5798-03	5.1300-01
409	461.92	9.8649+00	8.1679-01	2.4295-03	8.1679-01	2.4295-03	1.0707-03	3.0723-02	4.8033+04	6.1964-04	5.7000-01
410	486.64	2.4481+01	1.9869+00	6.0165-03	1.9869+00	6.0165-03	2.6516-03	7.6082-02	1.1895+05	1.5362-03	6.2800-01
411	465.93	1.2342+01	1.0247+00	3.0567-03	1.0247+00	3.0567-03	1.3471-03	3.8653-02	6.0432+04	7.7973-04	6.8600-01
412	483.07	1.8338+01	1.5307+00	4.6230-03	1.5307+00	4.6230-03	2.0374-03	5.8461-02	9.1399+04	1.1802-03	7.4400-01
413	468.08	1.3817+01	1.1556+00	3.4526-03	1.1556+00	3.4526-03	1.5216-03	4.3660-02	6.8259+04	8.8080-04	8.0100-01
414	493.96	3.1925+01	2.6838+00	8.1703-03	2.6838+00	8.1703-03	3.6007-03	1.0332-01	1.6153+05	2.0867-03	8.5900-01
415	465.65	1.4523+01	1.2055+00	3.5953-03	1.2055+00	3.5953-03	1.5845-03	4.5465-02	7.1081+04	9.1713-04	9.1700-01
416	499.95	3.1125+01	2.4536+00	7.5025-03	2.4536+00	7.5025-03	3.3065-03	9.4874-02	1.4833+05	1.9167-03	5.7000-01
417	530.93	6.1254+01	5.2711+00	1.6494-02	5.2711+00	1.6494-02	7.2693-03	2.0858-01	3.2610+05	4.2198-03	1.0520+00

27 1 1.92 -10.08 .00 -.00 402 11 2.65 10.13 752.2 1780.1

8.63062+01 1.57319-02 1.13010+00 4.61143+03 1.52934-05 6.99080-08 8.46339-02 7.72000+00 7.24908-06 7.44493-02

1	478.37	2.7425+01	4.6736+00	1.4065-02	4.6736+00	1.4065-02	6.1987-03	1.7786-01	2.7807+05	3.5903-03	4.1100-01
2	510.07	5.0879+01	8.8501+00	2.7260-02	8.8501+00	2.7260-02	1.2014-02	3.4472-01	5.3895+05	6.9686-03	7.1100-01
3	494.20	4.5114+01	7.7679+00	2.3649-02	7.7679+00	2.3649-02	1.0422-02	2.9905-01	4.6754+05	6.0410-03	1.3070+00
4	542.93	7.0513+01	1.2518+01	3.9524-02	1.2518+01	3.9524-02	1.7419-02	4.9980-01	7.8141+05	1.0119-02	1.6410+00
5	531.66	4.7349+01	8.7386+00	2.7356-02	8.7386+00	2.7356-02	1.2056-02	3.4593-01	5.4083+05	6.9997-03	1.7720+00
6	518.15	1.0212+01	1.7593+00	5.4517-03	1.7593+00	5.4517-03	2.4027-03	6.8940-02	1.0778+05	1.3941-03	2.4660+00
7	474.33	4.2239+00	7.0529-01	2.1164-03	7.0529-01	2.1164-03	9.3272-04	2.6763-02	4.1842+04	5.4014-04	3.0090+00
8	461.94	8.5730+00	1.4070+00	4.1846-03	1.4070+00	4.1846-03	1.8442-03	5.2916-02	8.2730+04	1.0674-03	3.3930+00
9	453.58	7.6691+00	1.2515+00	3.7001-03	1.2515+00	3.7001-03	1.6307-03	4.6790-02	7.3152+04	9.4349-04	3.7770+00
10	473.29	8.1309+00	1.3486+00	4.0439-03	1.3486+00	4.0439-03	1.7822-03	5.1137-02	7.9949+04	1.0320-03	5.3230+00
14	487.09	4.1639+01	7.1366+00	2.1614-02	7.1366+00	2.1614-02	9.5256-03	2.7332-01	4.2732+05	5.5195-03	1.0880+00
15	494.24	5.2296+01	9.0047+00	2.7415-02	9.0047+00	2.7415-02	1.2082-02	3.4667-01	5.4200+05	7.0030-03	1.3070+00
16	516.23	5.5931+01	9.7668+00	3.0222-02	9.7668+00	3.0222-02	1.3319-02	3.8218-01	5.9751+05	7.7278-03	1.6410+00
19	472.58	1.4802+01	2.2850+00	6.8478-03	2.2850+00	6.8478-03	3.0179-03	8.6595-02	1.3538+05	1.7476-03	4.1100-01
20	465.63	1.4748+01	2.3754+00	7.0833-03	2.3754+00	7.0833-03	3.1217-03	8.9572-02	1.4004+05	1.8071-03	7.1100-01
21	485.68	4.0576+01	6.7245+00	2.0345-02	6.7245+00	2.0345-02	8.9663-03	2.5727-01	4.0223+05	5.1951-03	1.0880+00
22	482.38	4.8633+01	8.0909+00	2.4420-02	8.0909+00	2.4420-02	1.0762-02	3.0881-01	4.8280+05	6.2348-03	1.3070+00
23	594.93	1.1325-01	1.9881-02	6.5366-05	1.9881-02	6.5366-05	2.8808-05	8.2659-04	1.2923+03	1.6775-05	1.6410+00
24	475.42	4.0327+00	6.6784-01	2.0056-03	6.6784-01	2.0056-03	8.8389-04	2.5362-02	3.9651+04	5.1189-04	3.0090+00
25	461.48	3.1169+00	4.9909-01	1.4839-03	4.9909-01	1.4839-03	6.5397-04	1.8764-02	2.9337+04	3.7850-04	3.3930+00
26	454.67	2.9938+00	4.8011-01	1.4205-03	4.8011-01	1.4205-03	6.2604-04	1.7963-02	2.8084+04	3.6224-04	3.7770+00
27	457.05	1.0064+01	1.6117+00	4.7767-03	1.6117+00	4.7767-03	2.1052-03	6.0404-02	9.4437+04	1.2182-03	7.1100-01
28	462.14	2.4847+01	4.0539+00	1.2058-02	4.0539+00	1.2058-02	5.3143-03	1.5249-01	2.3840+05	3.0759-03	1.0880+00
29	484.97	4.5610+01	7.6694+00	2.3192-02	7.6694+00	2.3192-02	1.0221-02	2.9327-01	4.5851+05	5.9218-03	1.3070+00
30	507.88	4.6348+01	7.9330+00	2.4396-02	7.9330+00	2.4396-02	1.0752-02	3.0850-01	4.8232+05	6.2357-03	1.6410+00
31	507.57	2.7763+01	4.8215+00	1.4824-02	4.8215+00	1.4824-02	6.5331-03	1.8745-01	2.9307+05	3.7890-03	1.7720+00
32	525.02	1.5429+01	2.6694+00	8.3148-03	2.6694+00	8.3148-03	3.6645-03	1.0515-01	1.6439+05	2.1269-03	2.4660+00
33	480.91	7.8732+00	1.3282+00	4.0046-03	1.3282+00	4.0046-03	1.7649-03	5.0641-02	7.9173+04	1.0224-03	3.0090+00
34	457.64	3.9501+00	6.4641-01	1.9166-03	6.4641-01	1.9166-03	8.4467-04	2.4236-02	3.7892+04	4.8880-04	3.3930+00
35	450.70	3.0873+00	4.8168-01	1.4212-03	4.8168-01	1.4212-03	6.2633-04	1.7971-02	2.8097+04	3.6234-04	3.7770+00
36	488.85	4.6456+01	7.7383+00	2.3466-02	7.7383+00	2.3466-02	1.0342-02	2.9674-01	4.6394+05	5.9930-03	1.3070+00
37	526.15	1.5196+01	2.6622+00	8.2994-03	2.6622+00	8.2994-03	3.6577-03	1.0495-01	1.6408+05	2.1231-03	2.4660+00
38	482.38	9.7392+00	1.6203+00	4.8904-03	1.6203+00	4.8904-03	2.1553-03	6.1842-02	9.6686+04	1.2486-03	3.0090+00
39	455.19	5.2203+00	8.4771-01	2.5091-03	8.4771-01	2.5091-03	1.1058-03	3.1729-02	4.9606+04	6.3984-04	3.3930+00
40	447.75	2.6005+00	4.1634-01	1.2258-03	4.1634-01	1.2258-03	5.4024-04	1.5501-02	2.4235+04	3.1249-04	3.7770+00
41	451.03	1.8753+00	2.9449-01	8.6909-04	2.9449-01	8.6909-04	3.8302-04	1.0990-02	1.7182+04	2.2158-04	4.1620+00
43	466.26	2.0753+00	3.4672-01	1.0344-03	3.4672-01	1.0344-03	4.5587-04	1.3080-02	2.0450+04	2.6390-04	5.3230+00
47	489.66	3.2825+01	5.4212+00	1.6450-02	5.4212+00	1.6450-02	7.2496-03	2.0801-01	3.2521+05	4.2011-03	7.1100-01
48	485.67	3.5840+01	6.0113+00	1.8187-02	6.0113+00	1.8187-02	8.0153-03	2.2999-01	3.5957+05	4.6441-03	1.0880+00
49	476.92	3.3963+01	5.6976+00	1.7129-02	5.6976+00	1.7129-02	7.5490-03	2.1661-01	3.3865+05	4.3722-03	1.3070+00
50	518.70	4.0790+01	7.0712+00	2.1922-02	7.0712+00	2.1922-02	9.6612-03	2.7721-01	4.3340+05	5.6060-03	1.6410+00
51	516.91	2.5182+01	4.3992+00	1.3620-02	4.3992+00	1.3620-02	6.0024-03	1.7223-01	2.6927+05	3.4827-03	1.7720+00
52	498.54	4.4733+00	7.7239-01	2.3589-03	7.7239-01	2.3589-03	1.0396-03	2.9830-02	4.6637+04	6.0270-04	2.4660+00
53	469.40	5.6753+00	9.3610-01	2.7990-03	9.3610-01	2.7990-03	1.2336-03	3.5395-02	5.5338+04	7.1422-04	3.0090+00
54	451.32	4.0525+00	6.5237-01	1.9256-03	6.5237-01	1.9256-03	8.4865-04	2.4351-02	3.8070+04	4.9097-04	3.3930+00
55	447.90	3.9642+00	6.2505-01	1.8405-03	6.2505-01	1.8405-03	8.1114-04	2.3274-02	3.6388+04	4.6920-04	3.7770+00
56	460.06	8.9174+00	1.3783+00	4.0936-03	1.3783+00	4.0936-03	1.8041-03	5.1766-02	8.0933+04	1.0441-03	4.1100-01
57	477.24	2.4090+01	3.9222+00	1.1794-02	3.9222+00	1.1794-02	5.1979-03	1.4914-01	2.3318+05	3.0105-03	7.1100-01
58	460.94	2.2125+01	3.6505+00	1.0849-02	3.6505+00	1.0849-02	4.7814-03	1.3719-01	2.1449+05	2.7673-03	1.0880+00
59	462.73	2.3936+01	3.9659+00	1.1802-02	3.9659+00	1.1802-02	5.2012-03	1.4924-01	2.3332+05	3.0105-03	1.3070+00
60	487.33	2.0535+01	3.4685+00	1.0507-02	3.4685+00	1.0507-02	4.6304-03	1.3286-01	2.0772+05	2.6831-03	1.6410+00
61	461.01	2.5958+00	4.2448-01	1.2616-03	4.2448-01	1.2616-03	5.5601-04	1.5954-02	2.4943+04	3.2180-04	3.0090+00
62	448.26	3.3719+00	5.4168-01	1.5954-03	5.4168-01	1.5954-03	7.0313-04	2.0175-02	3.1542+04	4.0673-04	3.3930+00
63	448.74	2.5569+00	4.0339-01	1.1885-03	4.0339-01	1.1885-03	5.2380-04	1.5030-02	2.3498+04	3.0300-04	3.7770+00
64	449.41	1.3417+01	2.2423+00	6.6097-03	2.2423+00	6.6097-03	2.9130-03	8.3584-02	1.3068+05	1.6851-03	1.0880+00
65	446.25	1.2390+01	2.0661+00	6.0768-03	2.0661+00	6.0768-03	2.6781-03	7.6844-02	1.2014+05	1.5490-03	1.3070+00
66	480.20	1.9216+01	3.2785+00	9.8798-03	3.2785+00	9.8798-03	4.3542-03	1.2494-01	1.9533+05	2.5222-03	1.6410+00
69	461.24	1.1198+01	1.8867+00	5.6084-03	1.8867+00	5.6084-03	2.4717-03	7.0921-02	1.1088+05	1.4306-03	4.1100-01
70	441.84	2.1475+00	3.5704-01	1.0468-03	3.5704-01	1.0468-03	4.6135-04	1.3238-02	2.0696+04	2.6680-04	7.1100-01
71	443.25	7.0821+00	1.1751+00	3.4489-03	1.1751+00	3.4489-03	1.5200-03	4.3613-02	6.8186+04	8.7904-04	1.3070+00
72	456.88	7.3049+00	1.2271+00	3.6363-03	1.2271+00	3.6363-03	1.6026-03	4.5983-02	7.1891+04	9.2735-04	1.6410+00
73	456.54	3.1210+00	5.0422-01	1.4938-03	5.0422-01	1.4938-03	6.5836-04	1.8891-02	2.9534+04	3.8096-04	3.7770+00
74	475.09	3.1714+00	5.2667-01	1.5812-03	5.2667-01	1.5812-03	6.9687-04	1.9996-02	3.1262+04	4.0358-04	5.3230+00
77	464.24	5.1408+00	8.6023-01	2.5627-03	8.6023-01	2.5627-03	1.1294-03	3.2406-02	5.0665+04	6.5376-04	3.0090+00
78	451.59	6.4031+00	1.0498+00	3.0992-03	1.0498+00	3.0992-03	1.3659-03	3.9191-02	6.1273+04	7.9020-04	3.3930+00
79	447.96	5.5948+00	8.9859-01	2.6461-03	8.9859-01	2.6461-03	1.1662-03	3.3461-02	5.2314+04	6.7456-04	3.7770+00
80	521.13	1.0584+01	1.8594+00	5.7748-03	1.8594+00	5.7748-03	2.5450-03	7.3026-02	1.1417+05	1.4769-03	2.4660+00
81	472.26	4.7351+00	7.9660-01	2.3868-03	7.9660-01	2.3868-03	1.0519-03	3.0183-02	4.7188+04	6.0911-04	3.0090+00
82	455.34	6.9958+00	1.1533+00	3.4140-03	1.1533+00	3.4140-03	1.5046-03	4.3172-02	6.7497+04	8.7061-04	3.3930+00
83	449.01	6.5283+00	1.0620+00	3.1297-03	1.0620+00	3.1297-03	1.3793-03	3.9577-02	6.1875+04	7.9788-04	3.7770+00
337	577.25	2.5654+01	5.0968+00	1.6525-02	5.0968+00	1.6525-02	7.2828-03	2.0897-01	3.2671+05	4.2374-03	7.1680+00
339	549.35	1.3931+01	2.7804+00	8.8219-03	2.7804+00	8.8219-03	3.8879-03	1.1156-01	1.7441+05	2.2592-03	8.1130+00
340	491.56	4.6395+00	8.7443-01	2.6570-03	8.7443-01	2.6570-03	1.1710-03	3.3599-02	5.2529+04	6.7863-04	8.6180+00
342	575.88	2.3753+01	4.8663+00	1.5761-02	4.8663+00	1.5761-02	6.9460-03	1.9930-01	3.1160+05	4.0411-03	7.1680+00
344	546.07	1.1264+01	2.2554+00	7.1381-03	2.2554+00	7.1381-03	3.1459-03	9.0265-02	1.4112+05	1.8277-03	8.1130+00
347	536.72	1.0843+01	2.1026+00	6.6074-03	2.1026+00	6.6074-03	2.9120-03	8.3554-02	1.3063+05	1.6911-03	7.1680+00
349	531.01	9.4431+00	1.8686+00	5.8467-03	1.8686+00	5.8467-03	2.5767-03	7.3935-02	1.1559+05	1.4960-03	8.1130+00
350	484.41	2.2151+00	3.9227-01	1.1857-03	3.9227-01	1.1857-03	5.2257-04	1.4994-02	2.3442+04	3.0276-04	8.6180+00
352	525.21	3.6488+00	6.8572-01	2.1362-03	6.8572-01	2.1362-03	9.4146-04	2.7014-02	4.2234+04	5.4645-04	7.1680+00
354	534.60	4.5948+00	9.0886-01	2.8515-03	9.0886-01	2.8515-03	1.2567-03	3.6059-02	5.6375+04	7.2973-04	8.1130+00
357	517.89	7.2260+00	1.3481+00	4.1766-03	1.3481+00	4.1766-03	1.8407-03	5.2816-02	8.2574+04	1.0680-03	7.1680+00
359	519.81	4.4904+00	8.2265-01	2.5524-03	8.2265-01	2.5524-03	1.1249-03	3.2277-02	5.0462+04	6.5276-04	8.1130+00
401	506.15	3.1518+01	2.7024+00	8.3000-03	2.7024+00	8.3000-03	3.6579-03	1.0496-01	1.6409+05	2.1213-03	4.5500-01
403	478.36	1.4709+01	1.2239+00	3.6834-03	1.2239+00	3.6834-03	1.6233-03	4.6579-02	7.2823+04	9.4026-04	6.8600-01
404	1580.19	-3.6899+02	3.8451+01	4.8081-02	3.8451+01	4.8081-02	2.1190-02	6.0801-01	9.5058+05	1.1443-02	8.0100-01
405	527.02	4.8450+01	4.1592+00	1.2975-02	4.1592+00	1.2975-02	5.7181-03	1.6407-01	2.5652+05	3.3193-03	1.0510+00
406	553.65	6.7750+01	5.9466+00	1.8930-02	5.9466+00	1.8930-02	8.3429-03	2.3938-01	3.7426+05	4.8488-03	1.1670+00
407	571.79	8.0275+01	7.2494+00	2.3404-02	7.2494+00	2.3404-02	1.0315-02	2.9596-01	4.6271+05	5.9998-03	1.2830+00
408	491.48	2.4879+01	2.0631+00	6.2684-03	2.0631+00	6.2684-03	2.7626-03	7.9267-02	1.2393+05	1.6010-03	5.1300-01
409	464.47	1.0448+01	8.6654-01	2.5819-03	8.6654-01	2.5819-03	1.1379-03	3.2649-02	5.1045+04	6.5866-04	5.7000-01
410	492.73	2.4108+01	1.9644+00	5.9739-03	1.9644+00	5.9739-03	2.6328-03	7.5543-02	1.1811+05	1.5259-03	6.2800-01
411	469.10	1.2814+01	1.0661+00	3.1869-03	1.0661+00	3.1869-03	1.4045-03	4.0300-02	6.3006+04	8.1317-04	6.8600-01
412	487.59	1.8263+01	1.5290+00	4.6324-03	1.5290+00	4.6324-03	2.0416-03	5.8579-02	9.1584+04	1.1830-03	7.4400-01
413	471.60	1.3980+01	1.1720+00	3.5099-03	1.1720+00	3.5099-03	1.5469-03	4.4385-02	6.9392+04	8.9570-04	8.0100-01
414	501.83	3.1029+01	2.6217+00	8.0264-03	2.6217+00	8.0264-03	3.5374-03	1.0150-01	1.5869+05	2.0510-03	8.5900-01
415	469.30	1.4886+01	1.2386+00	3.7033-03	1.2386+00	3.7033-03	1.6321-03	4.6830-02	7.3216+04	9.4495-04	9.1700-01
416	507.51	2.9783+01	2.3592+00	7.2532-03	2.3592+00	7.2532-03	3.1966-03	9.1721-02	1.4340+05	1.8539-03	5.7000-01
417	545.87	5.8605+01	5.0894+00	1.6105-02	5.0894+00	1.6105-02	7.0978-03	2.0366-01	3.1840+05	4.1236-03	1.0520+00

27 1 1.92 -10.08 .00 -.00 402 11 3.15 10.13 752.2 1779.9

8.62971+01 1.57322-02 1.13012+00 4.61118+03 1.52952-05 6.99007-08 8.46485-02 7.72000+00 7.24823-06 7.44504-02

1	492.44	2.8628+01	4.9237+00	1.4973-02	4.9237+00	1.4973-02	6.5981-03	1.8934-01	2.9605+05	3.8243-03	4.1100-01
2	535.13	4.9382+01	8.7251+00	2.7389-02	8.7251+00	2.7389-02	1.2070-02	3.4635-01	5.4156+05	7.0094-03	7.1100-01
3	516.57	4.4429+01	7.7599+00	2.4022-02	7.7599+00	2.4022-02	1.0586-02	3.0377-01	4.7498+05	6.1424-03	1.3070+00
4	577.63	6.8103+01	1.2342+01	4.0035-02	1.2342+01	4.0035-02	1.7643-02	5.0627-01	7.9160+05	1.0266-02	1.6410+00
5	555.02	4.6160+01	8.6409+00	2.7540-02	8.6409+00	2.7540-02	1.2137-02	3.4826-01	5.4455+05	7.0545-03	1.7720+00
6	523.44	1.0774+01	1.8622+00	5.7943-03	1.8622+00	5.7943-03	2.5535-03	7.3272-02	1.1457+05	1.4821-03	2.4660+00
7	476.50	4.4732+00	7.4800-01	2.2484-03	7.4800-01	2.2484-03	9.9082-04	2.8432-02	4.4456+04	5.7388-04	3.0090+00
8	466.14	8.2109+00	1.3514+00	4.0318-03	1.3514+00	4.0318-03	1.7768-03	5.0985-02	7.9720+04	1.0286-03	3.3930+00
9	457.49	7.7953+00	1.2755+00	3.7820-03	1.2755+00	3.7820-03	1.6667-03	4.7826-02	7.4781+04	9.6453-04	3.7770+00
10	477.32	8.0717+00	1.3424+00	4.0375-03	1.3424+00	4.0375-03	1.7792-03	5.1056-02	7.9832+04	1.0306-03	5.3230+00
14	507.66	4.6708+01	7.7700+00	2.1742-02	7.7700+00	2.1742-02	9.5812-03	2.7493-01	4.2989+05	5.5571-03	1.0880+00
15	519.85	5.0323+01	8.8075+00	2.7332-02	8.8075+00	2.7332-02	1.2045-02	3.4563-01	5.4043+05	6.9898-03	1.3070+00
16	543.79	5.4451+01	9.6717+00	3.0562-02	9.6717+00	3.0562-02	1.3468-02	3.8647-01	6.0429+05	7.8243-03	1.6410+00
19	479.97	1.4756+01	2.2891+00	6.8981-03	2.2891+00	6.8981-03	3.0399-03	8.7230-02	1.3639+05	1.7610-03	4.1100-01
20	472.91	1.4429+01	2.3354+00	7.0017-03	2.3354+00	7.0017-03	3.0855-03	8.8540-02	1.3844+05	1.7868-03	7.1100-01
21	505.56	3.8746+01	6.5042+00	1.9971-02	6.5042+00	1.9971-02	8.8008-03	2.5254-01	3.9487+05	5.1040-03	1.0880+00
22	506.35	4.7378+01	8.0053+00	2.4594-02	8.0053+00	2.4594-02	1.0838-02	3.1100-01	4.8629+05	6.2858-03	1.3070+00
23	595.02	1.1429-01	2.0064-02	6.5983-05	2.0064-02	6.5983-05	2.9078-05	8.3439-04	1.3047+03	1.6933-05	1.6410+00
24	477.44	4.0182+00	6.6632-01	2.0042-03	6.6632-01	2.0042-03	8.8323-04	2.5345-02	3.9629+04	5.1159-04	3.0090+00
25	463.07	3.1371+00	5.0288-01	1.4970-03	5.0288-01	1.4970-03	6.5972-04	1.8931-02	2.9600+04	3.8188-04	3.3930+00
26	456.16	2.9345+00	4.7109-01	1.3955-03	4.7109-01	1.3955-03	6.1498-04	1.7647-02	2.7593+04	3.5588-04	3.7770+00
27	462.13	1.0220+01	1.6422+00	4.8854-03	1.6422+00	4.8854-03	2.1529-03	6.1779-02	9.6599+04	1.2462-03	7.1100-01
28	474.69	2.4973+01	4.1088+00	1.2334-02	4.1088+00	1.2334-02	5.4356-03	1.5598-01	2.4388+05	3.1480-03	1.0880+00
29	507.44	4.4445+01	7.5826+00	2.3314-02	7.5826+00	2.3314-02	1.0274-02	2.9482-01	4.6098+05	5.9590-03	1.3070+00
30	530.71	4.4943+01	7.8034+00	2.4414-02	7.8034+00	2.4414-02	1.0759-02	3.0873-01	4.8273+05	6.2467-03	1.6410+00
31	521.40	2.7583+01	4.8322+00	1.5013-02	4.8322+00	1.5013-02	6.6159-03	1.8985-01	2.9685+05	3.8396-03	1.7720+00
32	532.78	1.5615+01	2.7146+00	8.5064-03	2.7146+00	8.5064-03	3.7487-03	1.0757-01	1.6820+05	2.1767-03	2.4660+00
33	484.81	7.8000+00	1.3192+00	3.9894-03	1.3192+00	3.9894-03	1.7581-03	5.0448-02	7.8882+04	1.0186-03	3.0090+00
34	459.62	3.9745+00	6.5127-01	1.9340-03	6.5127-01	1.9340-03	8.5230-04	2.4457-02	3.8241+04	4.9328-04	3.3930+00
35	452.11	2.8696+00	4.4816-01	1.3238-03	4.4816-01	1.3238-03	5.8336-04	1.6740-02	2.6174+04	3.3752-04	3.7770+00
36	511.69	4.4900+01	7.5896+00	2.3439-02	7.5896+00	2.3439-02	1.0316-02	2.9602-01	4.6287+05	5.9845-03	1.3070+00
37	533.87	1.5410+01	2.7127+00	8.5076-03	2.7127+00	8.5076-03	3.7491-03	1.0758-01	1.6822+05	2.1771-03	2.4660+00
38	487.18	9.4031+00	1.5693+00	4.7538-03	1.5693+00	4.7538-03	2.0949-03	6.0114-02	9.3995+04	1.2139-03	3.0090+00
39	457.88	5.2187+00	8.4901-01	2.5181-03	8.4901-01	2.5181-03	1.1097-03	3.1843-02	4.9790+04	6.4220-04	3.3930+00
40	449.07	2.8052+00	4.4952-01	1.3249-03	4.4952-01	1.3249-03	5.8388-04	1.6755-02	2.6198+04	3.3777-04	3.7770+00
41	451.86	1.4468+00	2.2732-01	6.7134-04	2.2732-01	6.7134-04	2.9585-04	8.4895-03	1.3274+04	1.7117-04	4.1620+00
43	467.30	2.1034+00	3.5165-01	1.0500-03	3.5165-01	1.0500-03	4.6273-04	1.3278-02	2.0762+04	2.6790-04	5.3230+00
47	505.66	3.1234+01	5.2119+00	1.6004-02	5.2119+00	1.6004-02	7.0526-03	2.0238-01	3.1644+05	4.0902-03	7.1100-01
48	503.06	3.3961+01	5.7605+00	1.7655-02	5.7605+00	1.7655-02	7.7801-03	2.2325-01	3.4908+05	4.5115-03	1.0880+00
49	493.59	3.2811+01	5.5647+00	1.6936-02	5.5647+00	1.6936-02	7.4635-03	2.1417-01	3.3487+05	4.3261-03	1.3070+00
50	538.77	3.9582+01	6.9478+00	2.1870-02	6.9478+00	2.1870-02	9.6379-03	2.7656-01	4.3244+05	5.5979-03	1.6410+00
51	529.44	2.4913+01	4.3864+00	1.3710-02	4.3864+00	1.3710-02	6.0420-03	1.7338-01	2.7104+05	3.5078-03	1.7720+00
52	500.83	4.6197+00	7.9886-01	2.4443-03	7.9886-01	2.4443-03	1.0772-03	3.0909-02	4.8330+04	6.2456-04	2.4660+00
53	472.27	5.6831+00	9.3918-01	2.8144-03	9.3918-01	2.8144-03	1.2403-03	3.5590-02	5.5649+04	7.1823-04	3.0090+00
54	453.28	4.1673+00	6.7175-01	1.9859-03	6.7175-01	1.9859-03	8.7514-04	2.5112-02	3.9266+04	5.0636-04	3.3930+00
55	449.91	4.0239+00	6.3535-01	1.8738-03	6.3535-01	1.8738-03	8.2573-04	2.3695-02	3.7049+04	4.7771-04	3.7770+00
56	464.88	1.0250+01	1.5894+00	4.7378-03	1.5894+00	4.7378-03	2.0879-03	5.9913-02	9.3680+04	1.2087-03	4.1100-01
57	489.24	2.3844+01	3.9129+00	1.1871-02	3.9129+00	1.1871-02	5.2314-03	1.5012-01	2.3472+05	3.0317-03	7.1100-01
58	472.04	2.2153+01	3.6824+00	1.1033-02	3.6824+00	1.1033-02	4.8622-03	1.3952-01	2.1816+05	2.8156-03	1.0880+00
59	474.63	2.3564+01	3.9353+00	1.1813-02	3.9353+00	1.1813-02	5.2059-03	1.4938-01	2.3358+05	3.0150-03	1.3070+00
60	497.62	2.0724+01	3.5239+00	1.0757-02	3.5239+00	1.0757-02	4.7403-03	1.3602-01	2.1269+05	2.7482-03	1.6410+00
61	462.30	2.6010+00	4.2570-01	1.2666-03	4.2570-01	1.2666-03	5.5817-04	1.6017-02	2.5044+04	3.2309-04	3.0090+00
62	449.92	3.3631+00	5.4088-01	1.5952-03	5.4088-01	1.5952-03	7.0297-04	2.0172-02	3.1541+04	4.0668-04	3.3930+00
63	450.08	2.6416+00	4.1713-01	1.2303-03	4.1713-01	1.2303-03	5.4219-04	1.5558-02	2.4327+04	3.1367-04	3.7770+00
64	456.08	1.3626+01	2.2877+00	6.7765-03	2.2877+00	6.7765-03	2.9863-03	8.5693-02	1.3399+05	1.7281-03	1.0880+00
65	452.35	1.2257+01	2.0525+00	6.0637-03	2.0525+00	6.0637-03	2.6722-03	7.6679-02	1.1990+05	1.5461-03	1.3070+00
66	489.72	1.8992+01	3.2607+00	9.8958-03	3.2607+00	9.8958-03	4.3609-03	1.2514-01	1.9567+05	2.5273-03	1.6410+00
69	467.08	1.1959+01	2.0227+00	6.0388-03	2.0227+00	6.0388-03	2.6612-03	7.6364-02	1.1940+05	1.5407-03	4.1100-01
70	442.88	2.1460+00	3.5703-01	1.0477-03	3.5703-01	1.0477-03	4.6172-04	1.3249-02	2.0717+04	2.6704-04	7.1100-01
71	446.76	6.9725+00	1.1597+00	3.4127-03	1.1597+00	3.4127-03	1.5039-03	4.3155-02	6.7478+04	8.6993-04	1.3070+00
72	460.46	7.0426+00	1.1859+00	3.5237-03	1.1859+00	3.5237-03	1.5528-03	4.4559-02	6.9674+04	8.9877-04	1.6410+00
73	458.10	3.1631+00	5.1156-01	1.5175-03	5.1156-01	1.5175-03	6.6874-04	1.9190-02	3.0005+04	3.8702-04	3.7770+00
74	476.69	3.1262+00	5.1971-01	1.5624-03	5.1971-01	1.5624-03	6.8852-04	1.9757-02	3.0893+04	3.9879-04	5.3230+00
77	466.87	5.2281+00	8.7638-01	2.6160-03	8.7638-01	2.6160-03	1.1528-03	3.3081-02	5.1726+04	6.6744-04	3.0090+00
78	454..5	6.5164+00	1.0706+00	3.1684-03	1.0706+00	3.1684-03	1.3963-03	4.0066-02	6.2648+04	8.0794-04	3.3930+00
79	450.72	5.2743+00	8.8472-01	2.5045-03	8.4872-01	2.5045-03	1.1037-03	3.1670-02	4.9520+04	6.3852-04	3.7770+00
80	526.56	1.1060+01	1.9496+00	6.0805-03	1.9496+00	6.0805-03	2.6796-03	7.6891-02	1.2023+05	1.5555-03	2.4660+00
81	474.67	4.7553+00	8.0129-01	2.4054-03	8.0129-01	2.4054-03	1.0600-03	3.0417-02	4.7561+04	6.1390-04	3.0090+00
82	458.85	7.0229+00	1.1605+00	3.4445-03	1.1605+00	3.4445-03	1.5179-03	4.3557-02	6.8107+04	8.7850-04	3.3930+00
83	452.13	6.2151+00	1.0132+00	2.9929-03	1.0132+00	2.9929-03	1.3189-03	3.7847-02	5.9179+04	7.6311-04	3.7770+00
337	589.97	2.5104+01	5.0243+00	1.6457-02	5.0243+00	1.6457-02	7.2522-03	2.0810-01	3.2539+05	4.2223-03	7.1680+00
339	556.32	1.3895+01	2.7849+00	8.8850-03	2.7849+00	8.8850-03	3.9155-03	1.1236-01	1.7568+05	2.2760-03	8.1130+00
340	493.88	4.6795+00	8.8330-01	2.6889-03	8.8330-01	2.6889-03	1.1849-03	3.4002-02	5.3167+04	6.8685-04	8.6180+00
342	587.70	2.3453+01	4.8378+00	1.5817-02	4.8378+00	1.5817-02	6.9704-03	2.0002-01	3.1275+05	4.0578-03	7.1680+00
344	551.74	1.1199+01	2.2501+00	7.1533-03	2.2501+00	7.1533-03	3.1524-03	9.0458-02	1.4144+05	1.8321-03	8.1130+00
347	542.17	1.0874+01	2.1157+00	6.6771-03	2.1157+00	6.6771-03	2.9425-03	8.4436-02	1.3202+05	1.7093-03	7.1680+00
349	535.73	9.3584+00	1.8572+00	5.8328-03	1.8572+00	5.8328-03	2.5704-03	7.3759-02	1.1533+05	1.4928-03	8.1130+00
350	485.50	2.2748+00	4.0314-01	1.2197-03	4.0314-01	1.2197-03	5.3752-04	1.5424-02	2.4117+04	3.1145-04	8.6180+00
352	527.01	3.6187+00	6.8082-01	2.1241-03	6.8082-01	2.1241-03	9.3608-04	2.6861-02	4.2000+04	5.4340-04	7.1680+00
354	536.85	4.4904+00	8.8944-01	2.7957-03	8.8944-01	2.7957-03	1.2320-03	3.5353-02	5.5279+04	7.1552-04	8.1130+00
357	521.51	7.1730+00	1.3412+00	4.1674-03	1.3412+00	4.1674-03	1.8365-03	5.2698-02	8.2400+04	1.0658-03	7.1680+00
359	522.04	4.4062+00	8.0836-01	2.5127-03	8.0836-01	2.5127-03	1.1073-03	3.1774-02	4.9682+04	6.4264-04	8.1130+00
401	521.27	2.9100+01	2.5190+00	7.8253-03	2.5190+00	7.8253-03	3.4485-03	9.8955-02	1.5473+05	2.0014-03	4.5500-01
403	485.78	1.4993+01	1.2537+00	3.7940-03	1.2537+00	3.7940-03	1.6719-03	4.7977-02	7.5017+04	9.6878-04	6.8600-01
404	1718.66	-3.1226+02	3.8149+01	4.6012-02	3.8149+01	4.6012-02	2.0277-02	5.8184-01	9.0978+05	1.0904-02	8.0100-01
405	550.73	4.6263+01	4.0294+00	1.2800-02	4.0294+00	1.2800-02	5.6409-03	1.6187-01	2.5310+05	3.2781-03	1.0510+00
406	586.07	6.2048+01	5.5509+00	1.8126-02	5.5509+00	1.8126-02	7.9877-03	2.2921-01	3.5840+05	4.6497-03	1.1670+00
407	610.10	7.3306+01	6.7668+00	2.2524-02	6.7668+00	2.2524-02	9.9259-03	2.8483-01	4.4536+05	5.7846-03	1.2830+00
408	503.99	2.4975+01	2.0878+00	6.4031-03	2.0878+00	6.4031-03	2.8217-03	8.0971-02	1.2661+05	1.6363-03	5.1300-01
409	469.93	1.1429+01	9.5136-01	2.8461-03	9.5136-01	2.8461-03	1.2542-03	3.5991-02	5.6276+04	7.2624-04	5.7000-01
410	504.61	2.3397+01	1.9211+00	5.8945-03	1.9211+00	5.8945-03	2.5976-03	7.4540-02	1.1655+05	1.5064-03	6.2800-01
411	475.67	1.3454+01	1.1242+00	3.3773-03	1.1242+00	3.3773-03	1.4883-03	4.2708-02	6.6778+04	8.6200-04	6.8600-01
412	496.78	1.8117+01	1.5258+00	4.6546-03	1.5258+00	4.6546-03	2.0512-03	5.8860-02	9.2033+04	1.1891-03	7.4400-01
413	478.67	1.4352+01	1.2088+00	3.6391-03	1.2088+00	3.6391-03	1.6037-03	4.6019-02	7.1956+04	9.2895-04	8.0100-01
414	516.88	2.9485+01	2.5152+00	7.7879-03	2.5152+00	7.7879-03	3.4320-03	9.8483-02	1.5399+05	1.9914-03	8.5900-01
415	476.97	1.5722+01	1.3149+00	3.9536-03	1.3149+00	3.9536-03	1.7423-03	4.9995-02	7.8173+04	1.0091-03	9.1700-01
416	521.86	2.7988+01	2.2371+00	6.9529-03	2.2371+00	6.9529-03	3.0640-03	8.7923-02	1.3748+05	1.7783-03	5.7000-01
417	573.96	5.3752+01	4.7466+00	1.5352-02	4.7466+00	1.5352-02	6.7656-03	1.9414-01	3.0356+05	3.9360-03	1.0520+00

28 1 -3.01 -15.01 .00 -.00 402 11 1.90 10.13 753.2 1785.7

8.66035+01 1.57437-02 1.13097+00 4.61941+03 1.52523-05 7.01488-08 8.42623-02 7.72000+00 7.27733-06 7.44159-02

1	462.36	2.5999+01	4.3835+00	1.2978-02	4.3835+00	1.2978-02	5.7249-03	1.6451-01	2.5558+05	3.3123-03	4.1100-01
2	474.39	5.9222+01	1.0066+01	3.0057-02	1.0066+01	3.0057-02	1.3259-02	3.8102-01	5.9194+05	7.6758-03	7.1100-01
3	469.80	6.3851+01	1.0819+01	3.2202-02	1.0819+01	3.2202-02	1.4205-02	4.0820-01	6.3417+05	8.2217-03	1.3070+00
4	476.88	4.5598+01	7.7628+00	2.3222-02	7.7628+00	2.3222-02	1.0244-02	2.9438-01	4.5733+05	5.9310-03	1.6410+00
5	493.07	2.7349+01	4.9258+00	1.4909-02	4.9258+00	1.4909-02	6.5771-03	1.8900-01	2.9362+05	3.8106-03	1.7720+00
6	520.40	1.1975+01	2.0658+00	6.3800-03	2.0658+00	6.3800-03	2.8145-03	8.0877-02	1.2565+05	1.6326-03	2.4660+00
7	479.73	7.8145+00	1.3095+00	3.9255-03	1.3095+00	3.9255-03	1.7317-03	4.9761-02	7.7307+04	1.0027-03	3.6090+00
8	463.46	9.9055+00	1.6273+00	4.8216-03	1.6273+00	4.8216-03	2.1270-03	6.1121-02	9.4955+04	1.2307-03	3.3930+00
9	455.32	1.0799+01	1.7644+00	5.1976-03	1.7644+00	5.1976-03	2.2928-03	6.5887-02	1.0236+05	1.3262-03	3.7770+00
10	471.69	1.0374+01	1.7188+00	5.1227-03	1.7188+00	5.1227-03	2.2598-03	6.4937-02	1.0088+05	1.3080-03	5.3230+00
14	457.55	5.5547+01	9.3349+00	2.7543-02	9.3349+00	2.7543-02	1.2150-02	3.4914-01	5.4241+05	7.0283-03	1.0880+00
15	452.61	4.9246+01	8.2483+00	2.4252-02	8.2483+00	2.4252-02	1.0698-02	3.0743-01	4.7760+05	6.1872-03	1.3070+00
16	475.70	5.6691+01	9.6438+00	2.8825-02	9.6438+00	2.8825-02	1.2716-02	3.6540-01	5.6767+05	7.3615-03	1.6410+00
19	477.44	4.5640+01	7.0683+00	2.1153-02	7.0683+00	2.1153-02	9.3315-03	2.6815-01	4.1659+05	5.4027-03	4.1100-01
20	456.47	3.2515+01	5.2049+00	1.5345-02	5.2049+00	1.5345-02	6.7694-03	1.9452-01	3.0220+05	3.9156-03	7.1100-01
21	446.86	4.3890+01	7.0867+00	2.0752-02	7.0867+00	2.0752-02	9.1545-03	2.6306-01	4.0868+05	5.2931-03	1.0880+00
22	437.92	3.4632+01	5.5909+00	1.6270-02	5.5909+00	1.6270-02	7.1771-03	2.0624-01	3.2041+05	4.1481-03	1.3070+00
23	602.98	8.8311-03	1.5574-03	5.1258-06	1.5574-03	5.1258-06	2.2612-06	6.4977-05	1.0094+02	1.3168-06	1.6410+00
24	475.45	2.8701+00	4.7532-01	1.4205-03	4.7532-01	1.4205-03	6.2661-04	1.8006-02	2.7974+04	3.6276-04	3.0090+00
25	461.03	2.3003+00	3.6822-01	1.0891-03	3.6822-01	1.0891-03	4.8045-04	1.3806-02	2.1449+04	2.7797-04	3.3930+00
26	454.30	3.7216+00	5.9667-01	1.7564-03	5.9667-01	1.7564-03	7.7483-04	2.2265-02	3.4591+04	4.4814-04	3.7770+00
27	482.63	9.5802+01	1.5606+01	4.6879-02	1.5606+01	4.6879-02	2.0680-02	5.9426-01	9.2322+05	1.1976-02	7.1100-01
28	448.79	4.8415+01	7.8277+00	2.2953-02	7.8277+00	2.2953-02	1.0125-02	2.9097-01	4.5203+05	5.8550-03	1.0880+00
29	440.84	3.4458+01	5.6244+00	1.6400-02	5.6244+00	1.6400-02	7.2349-03	2.0790-01	3.2298+05	4.1820-03	1.3070+00
30	464.04	3.3155+01	5.5146+00	1.6346-02	5.5146+00	1.6346-02	7.2108-03	2.0721-01	3.2191+05	4.1723-03	1.6410+00
31	482.44	2.1789+01	3.7230+00	1.1182-02	3.7230+00	1.1182-02	4.9329-03	1.4175-01	2.2022+05	2.8566-03	1.7720+00
32	524.46	1.1102+01	1.9201+00	5.9481-03	1.9201+00	5.9481-03	2.6239-03	7.5401-02	1.1714+05	1.5224-03	2.4660+00
33	481.44	9.1278+00	1.5404+00	4.6233-03	1.5404+00	4.6233-03	2.0395-03	5.8607-02	9.1050+04	1.1810-03	3.0090+00
34	458.46	6.3984+00	1.0476+00	3.0930-03	1.0476+00	3.0930-03	1.3645-03	3.9209-02	6.0913+04	7.8931-04	3.3930+00
35	448.52	2.2660+00	3.5302-01	1.0349-03	3.5302-01	1.0349-03	4.5655-04	1.3119-02	2.0382+04	2.6399-04	3.7770+00
36	440.86	2.9404+01	4.7423+00	1.3829-02	4.7423+00	1.3829-02	6.1003-03	1.7530-01	2.7233+05	3.5262-03	1.3070+00
37	528.08	1.5752+01	2.7629+00	8.5819-03	2.7629+00	8.5819-03	3.7858-03	1.0879-01	1.6901+05	2.1969-03	2.4660+00
38	479.21	4.7948+00	7.9604-01	2.3854-03	7.9604-01	2.3854-03	1.0523-03	3.0238-02	4.6976+04	6.0928-04	3.0090+00
39	452.95	2.0670+00	3.3515-01	9.8564-04	3.3515-01	9.8564-04	4.3480-04	1.2494-02	1.9411+04	2.5147-04	3.3930+00
40	446.28	2.6421+00	4.2257-01	1.2369-03	4.2257-01	1.2369-03	5.4564-04	1.5680-02	2.4359+04	3.1548-04	3.7770+00
41	449.80	2.4358+00	3.8219-01	1.1215-03	3.8219-01	1.1215-03	4.9474-04	1.4217-02	2.2086+04	2.8609-04	4.1620+00
43	463.68	2.1673+00	3.6145-01	1.0711-03	3.6145-01	1.0711-03	4.7251-04	1.3578-02	2.1094+04	2.7340-04	5.3230+00
47	456.13	2.6437+01	4.2698+00	1.2585-02	4.2698+00	1.2585-02	5.5519-03	1.5954-01	2.4785+05	3.2114-03	7.1100-01
48	455.22	4.2703+01	7.0185+00	2.0674-02	7.0185+00	2.0674-02	9.1200-03	2.6207-01	4.0714+05	5.2750-03	1.0880+00
49	443.67	2.8743+01	4.7148+00	1.3775-02	4.7148+00	1.3775-02	6.0768-03	1.7462-01	2.7129+05	3.5131-03	1.3070+00
50	467.82	2.0303+01	3.4056+00	1.0122-02	3.4056+00	1.0122-02	4.4652-03	1.2831-01	1.9934+05	2.5841-03	1.6410+00
51	484.21	1.4125+01	2.4163+00	7.2667-03	2.4163+00	7.2667-03	3.2056-03	9.2117-02	1.4311+05	1.8565-03	1.7720+00
52	504.59	4.4208+00	7.6629-01	2.3390-03	7.6629-01	2.3390-03	1.0318-03	2.9651-02	4.6064+04	5.9813-04	2.4660+00
53	470.48	2.8945+00	4.7778-01	1.4227-03	4.7778-01	1.4227-03	6.2762-04	1.8035-02	2.8019+04	3.6326-04	3.0090+00
54	452.17	4.0587+00	6.5376-01	1.9216-03	6.5376-01	1.9216-03	8.4768-04	2.4359-02	3.7843+04	4.9024-04	3.3930+00
55	449.04	5.5049+00	8.6867-01	2.5476-03	8.6867-01	2.5476-03	1.1239-03	3.2295-02	5.0172+04	6.4987-04	3.7770+00
56	453.15	7.2249+00	1.1114+00	3.2691-03	1.1114+00	3.2691-03	1.4421-03	4.1441-02	6.4380+04	8.3405-04	4.1100-01
57	452.72	1.5216+01	2.4370+00	7.1657-03	2.4370+00	7.1657-03	3.1610-03	9.0836-02	1.4112+05	1.8282-03	7.1100-01
58	449.28	2.9159+01	4.7730+00	1.4001-02	4.7730+00	1.4001-02	6.1762-03	1.7748-01	2.7572+05	3.5714-03	1.0880+00
59	445.52	2.2152+01	3.6274+00	1.0612-02	3.6274+00	1.0612-02	4.6815-03	1.3453-01	2.0899+05	2.7066-03	1.3070+00
60	464.99	1.9900+01	3.3120+00	9.8239-03	3.3120+00	9.8239-03	4.3337-03	1.2453-01	1.9347+05	2.5077-03	1.6410+00
61	461.20	3.2535+00	5.3209-01	1.5740-03	5.3209-01	1.5740-03	6.9435-04	1.9953-02	3.0998+04	4.0172-04	3.0090+00
62	445.96	2.2722+00	3.6444-01	1.0665-03	3.6444-01	1.0665-03	4.7048-04	1.3520-02	2.1004+04	2.7202-04	3.3930+00
63	446.20	1.5216+00	2.3963-01	7.0139-04	2.3963-01	7.0139-04	3.0941-04	8.8912-03	1.3813+04	1.7889-04	3.7770+00
64	439.50	1.5556+01	2.5820+00	7.5221-03	2.5820+00	7.5221-03	3.3183-03	9.5353-02	1.4814+05	1.9180-03	1.0880+00
65	437.32	1.5090+01	2.5010+00	7.2748-03	2.5010+00	7.2748-03	3.2092-03	9.2220-02	1.4327+05	1.8548-03	1.3070+00
66	459.63	1.6660+01	2.8037+00	8.2845-03	2.8037+00	8.2845-03	3.6546-03	1.0502-01	1.6315+05	2.1142-03	1.6410+00
69	448.32	3.6732+00	6.1343-01	1.7982-03	6.1343-01	1.7982-03	7.9323-04	2.2794-02	3.5412+04	4.5867-04	4.1100-01
70	439.44	1.2379+00	2.0547-01	5.9855-04	2.0547-01	5.9855-04	2.6404-04	7.5875-03	1.1788+04	1.5262-04	7.1100-01
71	436.79	3.4971+00	5.7769-01	1.6798-03	5.7769-01	1.6798-03	7.4100-04	2.1293-02	3.3080+04	4.2825-04	1.3070+00
72	449.74	5.8135+00	9.7180-01	2.8515-03	9.7180-01	2.8515-03	1.2579-03	3.6147-02	5.6156+04	7.2740-04	1.6410+00
73	454.68	2.7917+00	4.5044-01	1.3263-03	4.5044-01	1.3263-03	5.8509-04	1.6813-02	2.6120+04	3.3841-04	3.7770+00
74	473.74	3.1356+00	5.2025-01	1.5528-03	5.2025-01	1.5528-03	6.8501-04	1.9684-02	3.0581+04	3.9653-04	5.3230+00
77	469.40	1.2298+01	2.0650+00	6.1442-03	2.0650+00	6.1442-03	2.7105-03	7.7888-02	1.2100+05	1.5687-03	3.0090+00
78	452.12	8.5932+00	1.4094+00	4.1423-03	1.4094+00	4.1423-03	1.8273-03	5.2510-02	8.1578+04	1.0568-03	3.3930+00
79	447.96	5.4847+00	8.8090-01	2.5815-03	8.8090-01	2.5815-03	1.1388-03	3.2725-02	5.0840+04	6.5849-04	3.7770+00
80	522.87	1.0657+01	1.8741+00	5.7986-03	1.8741+00	5.7986-03	2.5580-03	7.3506-02	1.1420+05	1.4840-03	2.4660+00
81	478.37	1.0887+01	1.8391+00	5.5074-03	1.8391+00	5.5074-03	2.4295-03	6.9815-02	1.0846+05	1.4067-03	3.0090+00
82	459.59	1.0195+01	1.6856+00	4.9804-03	1.6856+00	4.9804-03	2.1970-03	6.3134-02	9.8082+04	1.2710-03	3.3930+00
83	452.17	9.0769+00	1.4798+00	4.3497-03	1.4798+00	4.3497-03	1.9188-03	5.5139-02	8.5661+04	1.1097-03	3.7770+00
337	571.53	2.5506+01	5.0506+00	1.6216-02	5.0506+00	1.6216-02	7.1537-03	2.0557-01	3.1936+05	4.1596-03	7.1680+00
339	557.63	2.4248+01	4.8636+00	1.5449-02	4.8636+00	1.5449-02	6.8153-03	1.9585-01	3.0426+05	3.9603-03	8.1130+00
340	499.88	8.9345+00	1.6930+00	5.1500-03	1.6930+00	5.1500-03	2.2719-03	6.5284-02	1.0142+05	1.3167-03	8.6180+00
342	567.35	2.2534+01	4.5935+00	1.4701-02	4.5935+00	1.4701-02	6.4852-03	1.8636-01	2.8952+05	3.7702-03	7.1680+00
344	548.76	1.8126+01	3.6353+00	1.1470-02	3.6353+00	1.1470-02	5.0597-03	1.4540-01	2.2588+05	2.9389-03	8.1130+00
347	522.32	1.4716+01	2.8284+00	8.7477-03	2.8284+00	8.7477-03	3.8590-03	1.1089-01	1.7227+05	2.2387-03	7.1680+00
349	517.53	7.6686+00	1.5048+00	4.6374-03	1.5048+00	4.6374-03	2.0457-03	5.8786-02	9.1327+04	1.1865-03	8.1130+00
350	481.09	1.6691+00	2.9494-01	8.8501-04	2.9494-01	8.8501-04	3.9041-04	1.1219-02	1.7429+04	2.2607-04	8.6180+00
352	499.15	2.4052+00	4.4462-01	1.3517-03	4.4462-01	1.3517-03	5.9631-04	1.7135-02	2.6621+04	3.4558-04	7.1680+00
354	502.98	2.5506+00	4.9462-01	1.5080-03	4.9462-01	1.5080-03	6.6524-04	1.9116-02	2.9698+04	3.8559-04	8.1130+00
357	505.71	9.4893+00	1.7568+00	5.3668-03	1.7568+00	5.3668-03	2.3675-03	6.8032-02	1.0569+05	1.3724-03	7.1680+00
359	502.06	6.8935+00	1.2488+00	3.8048-03	1.2488+00	3.8048-03	1.6784-03	4.8231-02	7.4930+04	9.7283-04	8.1130+00
401	521.82	1.0443+02	9.0430+00	2.7957-02	9.0430+00	2.7957-02	1.2333-02	3.5440-01	5.5058+05	7.1548-03	4.5500-01
403	503.15	7.0017+01	5.9209+00	1.8054-02	5.9209+00	1.8054-02	7.9643-03	2.2886-01	3.5555+05	4.6164-03	6.8600-01
404	4189.43	-1.8474+02	1.0261+02	7.8100-02	1.0261+02	7.8100-02	3.4453-02	9.9003-01	1.5381+06	1.7173-02	8.0100-01
405	527.83	1.1252+02	9.6642+00	3.0012-02	9.6642+00	3.0012-02	1.3240-02	3.8045-01	5.9105+05	7.6828-03	1.0510+00
406	505.08	9.6449+01	8.2151+00	2.5085-02	8.2151+00	2.5085-02	1.1066-02	3.1799-01	4.9401+05	6.4147-03	1.1670+00
407	501.35	8.7617+01	7.5779+00	2.3076-02	7.5779+00	2.3076-02	1.0180-02	2.9252-01	4.5445+05	5.9000-03	1.2830+00
408	486.09	4.9926+01	4.1256+00	1.2424-02	4.1256+00	1.2424-02	5.4807-03	1.5749-01	2.4468+05	3.1744-03	5.1300-01
409	455.52	8.0644+00	6.6483-01	1.9587-03	6.6483-01	1.9587-03	8.6408-04	2.4830-02	3.8575+04	4.9979-04	5.7000-01
410	487.77	4.5036+01	3.6579+00	1.1029-02	3.6579+00	1.1029-02	4.8653-03	1.3981-01	2.1720+05	2.8182-03	6.2800-01
411	459.31	1.0101+01	8.3489-01	2.4664-03	8.3489-01	2.4664-03	1.0880-03	3.1265-02	4.8573+04	6.2943-04	6.8600-01
412	491.55	5.3517+01	4.4920+00	1.3581-02	4.4920+00	1.3581-02	5.9912-03	1.7216-01	2.6746+05	3.4709-03	7.4400-01
413	457.69	1.3000+01	1.0797+00	3.1859-03	1.0797+00	3.1859-03	1.4054-03	4.0386-02	6.2742+04	8.1299-04	8.0100-01
414	507.06	8.5482+01	7.2468+00	2.2161-02	7.2468+00	2.2161-02	9.7758-03	2.8092-01	4.3642+05	5.6674-03	8.5900-01
415	459.64	1.6904+01	1.3974+00	4.1292-03	1.3974+00	4.1292-03	1.8216-03	5.2344-02	8.1320+04	1.0538-03	9.1700-01
416	494.50	5.0606+01	3.9754+00	1.2045-02	3.9754+00	1.2045-02	5.3136-03	1.5269-01	2.3721+05	3.0787-03	5.7000-01
417	513.29	9.3902+01	7.9921+00	2.4553-02	7.9921+00	2.4553-02	1.0831-02	3.1124-01	4.8353+05	6.2809-03	1.0520+00

28 1 -3.04 -15.04 .00 -.00 402 11 2.15 10.13 753.2 1785.6

8.65944+01 1.57440-02 1.13099+00 4.61916+03 1.52541-05 7.01415-08 8.42769-02 7.72000+00 7.27647-06 7.44169-02

1	469.24	2.7079+01	4.5867+00	1.3646-02	4.5867+00	1.3646-02	6.0194-03	1.7298-01	2.6877+05	3.4845-03	4.1100-01
2	489.50	5.9306+01	1.0181+01	3.0735-02	1.0181+01	3.0735-02	1.3557-02	3.8961-01	6.0535+05	7.8550-03	7.1100-01
3	485.15	6.1293+01	1.0492+01	3.1574-02	1.0492+01	3.1574-02	1.3928-02	4.0025-01	6.2188+05	8.0680-03	1.3070+00
4	488.09	4.5072+01	7.7300+00	2.3313-02	7.7300+00	2.3313-02	1.0283-02	2.9552-01	4.5917+05	5.9578-03	1.6410+00
5	499.84	2.6860+01	4.8589+00	1.4780-02	4.8589+00	1.4780-02	6.5195-03	1.8736-01	2.9111+05	3.7792-03	1.7720+00
6	523.38	1.2302+01	2.1263+00	6.5815-03	2.1263+00	6.5815-03	2.9032-03	8.3431-02	1.2963+05	1.6847-03	2.4660+00
7	481.75	8.0675+00	1.3537+00	4.0638-03	1.3537+00	4.0638-03	1.7926-03	5.1515-02	8.0041+04	1.0383-03	3.0090+00
8	465.98	9.9590+00	1.6389+00	4.8646-03	1.6389+00	4.8646-03	2.1458-03	6.1666-02	9.5814+04	1.2420-03	3.3930+00
9	458.16	1.1212+01	1.8354+00	5.4177-03	1.8354+00	5.4177-03	2.3898-03	6.8677-02	1.0671+05	1.3827-03	3.7770+00
10	474.34	1.0412+01	1.7283+00	5.1607-03	1.7283+00	5.1607-03	2.2764-03	6.5420-02	1.0165+05	1.3181-03	5.3230+00
14	471.52	5.4781+01	9.2930+00	2.7693-02	9.2930+00	2.7693-02	1.2216-02	3.5106-01	5.4545+05	7.0721-03	1.0880+00
15	464.34	4.7020+01	7.9382+00	2.3535-02	7.9382+00	2.3535-02	1.0381-02	2.9834-01	4.6354+05	6.0082-03	1.3070+00
16	489.41	5.4476+01	9.3509+00	2.8228-02	9.3509+00	2.8228-02	1.2452-02	3.5783-01	5.5598+05	7.2144-03	1.6410+00
19	488.76	4.4095+01	6.8799+00	2.0759-02	6.8799+00	2.0759-02	9.1568-03	2.6315-01	4.0886+05	5.3053-03	4.1100-01
20	465.85	3.6775+01	5.9241+00	1.7582-02	5.9241+00	1.7582-02	7.7558-03	2.2288-01	3.4630+05	4.4889-03	7.1100-01
21	458.06	4.4010+01	7.1667+00	2.1135-02	7.1667+00	2.1135-02	9.3229-03	2.6792-01	4.1628+05	5.3941-03	1.0880+00
22	446.14	3.3936+01	5.5098+00	1.6126-02	5.5098+00	1.6126-02	7.1134-03	2.0442-01	3.1762+05	4.1136-03	1.3070+00
23	602.95	-2.8051-02	-4.9468-03	-1.6280-05	-4.9468-03	-1.6280-05	-7.1814-06	-2.0638-04	-3.2066+02	-4.1829-06	1.6410+00
24	476.11	2.7403+00	4.5401-01	1.3574-03	4.5401-01	1.3574-03	5.9876-04	1.7207-02	2.6736+04	3.4672-04	3.0090+00
25	461.53	2.0987+00	3.3607-01	9.9438-04	3.3607-01	9.9438-04	4.3863-04	1.2605-02	1.9585+04	2.5382-04	3.3930+00
26	455.14	3.5153+00	5.6393-01	1.6610-03	5.6393-01	1.6610-03	7.3269-04	2.1056-02	3.2716+04	4.2387-04	3.7770+00
27	508.48	9.6094+01	1.5917+01	4.8725-02	1.5917+01	4.8725-02	2.1493-02	6.1766-01	9.5969+05	1.2464-02	7.1100-01
28	461.20	4.8856+01	7.9661+00	2.3565-02	7.9661+00	2.3565-02	1.0395-02	2.9872-01	4.6413+05	6.0150-03	1.0880+00
29	449.37	3.4070+01	5.5938+00	1.6409-02	5.5938+00	1.6409-02	7.2382-03	2.0801-01	3.2320+05	4.1864-03	1.3070+00
30	472.13	3.2889+01	5.5000+00	1.6397-02	5.5000+00	1.6397-02	7.2330-03	2.0786-01	3.2296+05	4.1875-03	1.6410+00
31	487.68	2.1214+01	3.6373+00	1.0966-02	3.6373+00	1.0966-02	4.8373-03	1.3901-01	2.1599+05	2.8025-03	1.7720+00
32	527.24	1.1198+01	1.9402+00	6.0227-03	1.9402+00	6.0227-03	2.6567-03	7.6347-02	1.1862+05	1.5419-03	2.4660+00
33	483.79	9.3403+00	1.5787+00	4.7463-03	1.5787+00	4.7463-03	2.0936-03	6.0167-02	9.3483+04	1.2127-03	3.0090+00
34	460.10	6.4727+00	1.0610+00	3.1361-03	1.0610+00	3.1361-03	1.3833-03	3.9754-02	6.1768+04	8.0045-04	3.3930+00
35	449.04	2.2218+00	3.4626-01	1.0155-03	3.4626-01	1.0155-03	4.4795-04	1.2873-02	2.0002+04	2.5908-04	3.7770+00
36	448.13	2.8870+01	4.6796+00	1.3715-02	4.6796+00	1.3715-02	6.0500-03	1.7386-01	2.7014+05	3.4989-03	1.3070+00
37	532.07	1.6132+01	2.8367+00	8.8376-03	2.8367+00	8.8376-03	3.8983-03	1.1203-01	1.7406+05	2.2630-03	2.4660+00
38	480.41	4.8509+00	8.0599-01	2.4173-03	8.0599-01	2.4173-03	1.0663-03	3.0643-02	4.7611+04	6.1755-04	3.0090+00
39	453.45	2.2052+00	3.5768-01	1.0523-03	3.5768-01	1.0523-03	4.6416-04	1.3339-02	2.0725+04	2.6850-04	3.3930+00
40	446.91	2.5792+00	4.1270-01	1.2085-03	4.1270-01	1.2085-03	5.3310-04	1.5320-02	2.3803+04	3.0829-04	3.7770+00
41	450.41	2.5023+00	3.9279-01	1.1531-03	3.9279-01	1.1531-03	5.0864-04	1.4617-02	2.2711+04	2.9419-04	4.1620+00
43	464.21	2.1366+00	3.5647-01	1.0568-03	3.5647-01	1.0568-03	4.6614-04	1.3396-02	2.0814+04	2.6978-04	5.3230+00
47	462.91	2.6817+01	4.3512+00	1.2887-02	4.3512+00	1.2887-02	5.6845-03	1.6336-01	2.5382+05	3.2897-03	7.1100-01
48	465.97	4.3554+01	7.2104+00	2.1402-02	7.2104+00	2.1402-02	9.4406-03	2.7130-01	4.2153+05	5.4641-03	1.0880+00
49	450.84	2.8631+01	4.7196+00	1.3859-02	4.7196+00	1.3859-02	6.1135-03	1.7569-01	2.7297+05	3.5361-03	1.3070+00
50	472.84	2.0115+01	3.3854+00	1.0098-02	3.3854+00	1.0098-02	4.4544-03	1.2801-01	1.9889+05	2.5789-03	1.6410+00
51	487.69	1.3798+01	2.3658+00	7.1327-03	2.3658+00	7.1327-03	3.1463-03	9.0418-02	1.4049+05	1.8228-03	1.7720+00
52	505.73	4.7361+00	8.2155-01	2.5098-03	8.2155-01	2.5098-03	1.1071-03	3.1816-02	4.9433+04	6.4192-04	2.4660+00
53	471.20	2.9797+00	4.9208-01	1.4661-03	4.9208-01	1.4661-03	6.4669-04	1.8585-02	2.8876+04	3.7439-04	3.0090+00
54	453.17	4.3065+00	6.9415-01	2.0417-03	6.9415-01	2.0417-03	9.0063-04	2.5882-02	4.0214+04	5.2098-04	3.3930+00
55	450.42	5.1699+00	8.1657-01	2.3972-03	8.1657-01	2.3972-03	1.0574-03	3.0388-02	4.7214+04	6.1160-04	3.7770+00
56	455.10	7.7787+00	1.1982+00	3.5292-03	1.1982+00	3.5292-03	1.5568-03	4.4738-02	6.9511+04	9.0060-04	4.1100-01
57	456.61	1.5554+01	2.4977+00	7.3646-03	2.4977+00	7.3646-03	3.2486-03	9.3357-02	1.4505+05	1.8795-03	7.1100-01
58	456.68	2.9404+01	4.8375+00	1.4264-02	4.8375+00	1.4264-02	6.2920-03	1.8082-01	2.8095+05	3.6403-03	1.0880+00
59	451.03	2.2321+01	3.6689+00	1.0775-02	3.6689+00	1.0775-02	4.7531-03	1.3659-01	2.1223+05	2.7492-03	1.3070+00
60	469.95	1.9719+01	3.2928+00	9.8014-03	3.2928+00	9.8014-03	4.3235-03	1.2425-01	1.9305+05	2.5028-03	1.6410+00
61	462.02	3.3574+00	5.4939-01	1.6261-03	5.4939-01	1.6261-03	7.1729-04	2.0613-02	3.2028+04	4.1509-04	3.0090+00
62	446.51	2.2992+00	3.6891-01	1.0800-03	3.6891-01	1.0800-03	4.7641-04	1.3691-02	2.1272+04	2.7550-04	3.3930+00
63	446.59	1.5169+00	2.3896-01	6.9961-04	2.3896-01	6.9961-04	3.0860-04	8.8686-03	1.3780+04	1.7847-04	3.7770+00
64	443.48	1.5406+01	2.5642+00	7.4909-03	2.5642+00	7.4909-03	3.3043-03	9.4958-02	1.4754+05	1.9106-03	1.0880+00
65	441.12	1.5132+01	2.5146+00	7.3339-03	2.5146+00	7.3339-03	3.2350-03	9.2968-02	1.4445+05	1.8704-03	1.3070+00
66	463.83	1.6785+01	2.8328+00	8.3955-03	2.8328+00	8.3955-03	3.7033-03	1.0643-01	1.6536+05	2.1432-03	1.6410+00
69	449.25	3.8883+00	6.4976-01	1.9059-03	6.4976-01	1.9059-03	8.4070-04	2.4160-02	3.7538+04	4.8623-04	4.1100-01
70	439.71	1.1714+00	1.9447-01	5.6661-04	1.9447-01	5.6661-04	2.4994-04	7.1826-03	1.1160+04	1.4449-04	7.1100-01
71	437.59	3.3849+00	5.5946-01	1.6277-03	5.5946-01	1.6277-03	7.1798-04	2.0633-02	3.2058+04	4.1504-04	1.3070+00
72	451.12	5.4691+00	9.1509-01	2.6877-03	9.1509-01	2.6877-03	1.1856-03	3.4071-02	5.2937+04	6.8575-04	1.6410+00
73	455.38	2.8660+00	4.6265-01	1.3629-03	4.6265-01	1.3629-03	6.0121-04	1.7277-02	2.6845+04	3.4781-04	3.7770+00
74	474.52	3.1164+00	5.1733-01	1.5450-03	5.1733-01	1.5450-03	6.8150-04	1.9585-02	3.0430+04	3.9459-04	5.3230+00
77	472.44	1.2127+01	2.0405+00	6.0847-03	2.0405+00	6.0847-03	2.6840-03	7.7132-02	1.1984+05	1.5539-03	3.0090+00
78	454.24	8.6218+00	1.4161+00	4.1684-03	1.4161+00	4.1684-03	1.8387-03	5.2840-02	8.2100+04	1.0637-03	3.3930+00
79	449.35	5.4701+00	8.7940-01	2.5797-03	8.7940-01	2.5797-03	1.1379-03	3.2701-02	5.0809+04	6.5813-04	3.7770+00
80	525.62	1.1288+01	1.9885+00	6.1652-03	1.9885+00	6.1652-03	2.7195-03	7.8153-02	1.2143+05	1.5783-03	2.4660+00
81	481.09	1.0792+01	1.8263+00	5.4799-03	1.8263+00	5.4799-03	2.4172-03	6.9466-02	1.0793+05	1.4000-03	3.0090+00
82	462.11	1.0165+01	1.6835+00	4.9833-03	1.6835+00	4.9833-03	2.1982-03	6.3171-02	9.8151+04	1.2721-03	3.3930+00
83	454.38	9.1829+00	1.4994+00	4.4140-03	1.4994+00	4.4140-03	1.9470-03	5.5954-02	8.6938+04	1.1264-03	3.7770+00
337	577.91	2.5395+01	5.0472+00	1.6286-02	5.0472+00	1.6286-02	7.1840-03	2.0645-01	3.2077+05	4.1794-03	7.1680+00
339	563.70	2.4224+01	4.8764+00	1.5562-02	4.8764+00	1.5562-02	6.8647-03	1.9728-01	3.0652+05	3.9909-03	8.1130+00
340	502.14	9.0317+00	1.7139+00	5.2222-03	1.7139+00	5.2222-03	2.3035-03	6.6199-02	1.0286+05	1.3354-03	8.6180+00
342	573.03	2.2614+01	4.6252+00	1.4868-02	4.6252+00	1.4868-02	6.5583-03	1.8847-01	2.9284+05	3.8145-03	7.1680+00
344	553.22	1.7888+01	3.5972+00	1.1388-02	3.5972+00	1.1388-02	5.0233-03	1.4436-01	2.2430+05	2.9190-03	8.1130+00
347	526.01	1.4743+01	2.8402+00	8.8085-03	2.8402+00	8.8085-03	3.8855-03	1.1166-01	1.7349+05	2.2550-03	7.1680+00
349	519.41	7.6940+00	1.5116+00	4.6648-03	1.5116+00	4.6648-03	2.0577-03	5.9134-02	9.1878+04	1.1938-03	8.1130+00
350	481.50	1.6452+00	2.9080-01	8.7283-04	2.9080-01	8.7283-04	3.8501-04	1.1064-02	1.7191+04	2.2299-04	8.6180+00
352	499.72	2.3766+00	4.3950-01	1.3367-03	4.3950-01	1.3367-03	5.8965-04	1.6945-02	2.6328+04	3.4180-04	7.1680+00
354	503.57	2.4956+00	4.8413-01	1.4766-03	4.8413-01	1.4766-03	6.5136-04	1.8719-02	2.9084+04	3.7764-04	8.1130+00
357	508.01	9.2374+00	1.7126+00	5.2408-03	1.7126+00	5.2408-03	2.3118-03	6.6435-02	1.0322+05	1.3405-03	7.1680+00
359	503.81	6.9943+00	1.2685+00	3.8697-03	1.2685+00	3.8697-03	1.7069-03	4.9054-02	7.6217+04	9.8964-04	8.1130+00
401	547.00	9.6514+01	8.4877+00	2.6743-02	8.4877+00	2.6743-02	1.1797-02	3.3901-01	5.2673+05	6.8529-03	4.5500-01
403	519.65	6.5573+01	5.6033+00	1.7295-02	5.6033+00	1.7295-02	7.6291-03	2.1924-01	3.4065+05	4.4263-03	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0606-10	-4.0033-07	-3.0606-10	-1.3500-10	-3.8797-09	-6.0281-03	-6.7365-11	8.0100-01
405	554.49	1.0286+02	8.9792+00	2.8454-02	8.9792+00	2.8454-02	1.2551-02	3.6070-01	5.6043+05	7.2939-03	1.0510+00
406	528.69	9.1177+01	7.8821+00	2.4494-02	7.8821+00	2.4494-02	1.0805-02	3.1050-01	4.8243+05	6.2712-03	1.1670+00
407	522.46	8.2069+01	7.1935+00	2.2250-02	7.1935+00	2.2250-02	9.8148-03	2.8206-01	4.3824+05	5.6951-03	1.2830+00
408	498.20	4.9525+01	4.1248+00	1.2532-02	4.1248+00	1.2532-02	5.5279-03	1.5886-01	2.4683+05	3.2041-03	5.1300-01
409	457.58	8.5538+00	7.0615-01	2.0835-03	7.0615-01	2.0835-03	9.1906-04	2.6412-02	4.1037+04	5.3175-04	5.7000-01
410	498.98	4.4653+01	3.6532+00	1.1105-02	3.6532+00	1.1105-02	4.8987-03	1.4078-01	2.1873+05	2.8395-03	6.2800-01
411	461.90	1.0799+01	8.9416-01	2.6464-03	8.9416-01	2.6464-03	1.1673-03	3.3547-02	5.2123+04	6.7552-04	6.8600-01
412	505.41	5.5586+01	4.7074+00	1.4378-02	4.7074+00	1.4378-02	6.3421-03	1.8226-01	2.8318+05	3.6772-03	7.4400-01
413	461.15	1.4131+01	1.1764+00	3.4798-03	1.1764+00	3.4798-03	1.5350-03	4.4112-02	6.8538+04	8.8824-04	8.0100-01
414	528.54	8.4905+01	7.2556+00	2.2669-02	7.2956+00	2.2669-02	9.9994-03	2.8736-01	4.4648+05	5.8039-03	8.5900-01
415	464.08	1.8316+01	1.5188+00	4.5019-03	1.5188+00	4.5019-03	1.9858-03	5.7069-02	8.8670+04	1.1493-03	9.1700-01
416	507.15	4.9856+01	3.9484+00	1.2075-02	3.9484+00	1.2075-02	5.3263-03	1.5307-01	2.3783+05	3.0885-03	5.7000-01
417	536.72	9.2095+01	7.9534+00	2.4865-02	7.9534+00	2.4865-02	1.0968-02	3.1520-01	4.8974+05	6.3686-03	1.0520+00

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28 1 -3.04 -15.04 .00 -.00 402 11 2.40 10.13 753.2 1785.7

8.66035+01 1.57437-02 1.13097+00 4.61941+03 1.52523-05 7.01488-08 8.42623-02 7.72000+00 7.27733-06 7.44159-02

1	476.00	2.7272+01	4.6401+00	1.3866-02	4.6401+00	1.3866-02	6.1169-03	1.7578-01	2.7308+05	3.5428-03	4.1100-01
2	504.26	5.8344+01	1.0111+01	3.0842-02	1.0111+01	3.0842-02	1.3606-02	3.9097-01	6.0740+05	7.8902-03	7.1100-01
3	500.27	6.0247+01	1.0414+01	3.1674-02	1.0414+01	3.1674-02	1.3973-02	4.0152-01	6.2378+05	8.1016-03	1.3070+00
4	499.40	4.4869+01	7.7517+00	2.3561-02	7.7517+00	2.3561-02	1.0394-02	2.9867-01	4.6400+05	6.0262-03	1.6410+00
5	506.49	2.6403+01	4.7966+00	1.4655-02	4.7966+00	1.4655-02	6.4650-03	1.8578-01	2.8862+05	3.7496-03	1.7720+00
6	526.53	1.2793+01	2.2154+00	6.8704-03	2.2154+00	6.8704-03	3.0308-03	8.7092-02	1.3530+05	1.7594-03	2.4660+00
7	483.78	8.1460+00	1.3687+00	4.1131-03	1.3687+00	4.1131-03	1.8145-03	5.2140-02	8.1002+04	1.0513-03	3.0090+00
8	468.46	9.8691+00	1.6268+00	4.8352-03	1.6268+00	4.8352-03	2.1330-03	6.1293-02	9.5223+04	1.2350-03	3.3930+00
9	460.95	1.1047+01	1.8118+00	5.3562-03	1.8118+00	5.3562-03	2.3628-03	6.7898-02	1.0548+05	1.3676-03	3.7770+00
10	476.93	1.0375+01	1.7250+00	5.1584-03	1.7250+00	5.1584-03	2.2756-03	6.5391-02	1.0159+05	1.3180-03	5.3230+00
14	485.01	5.3465+01	9.1511+00	2.7525-02	9.1511+00	2.7525-02	1.2142-02	3.4892-01	5.4206+05	7.0354-03	1.0880+00
15	475.96	4.6316+01	7.8802+00	2.3548-02	7.8802+00	2.3548-02	1.0388-02	2.9851-01	4.6375+05	6.0165-03	1.3070+00
16	502.84	5.3414+01	9.2483+00	2.8181-02	9.2483+00	2.8181-02	1.2432-02	3.5724-01	5.5499+05	7.2090-03	1.6410+00
19	499.46	4.2211+01	6.6317+00	2.0158-02	6.6317+00	2.0158-02	8.8924-03	2.5553-01	3.9698+05	5.1558-03	4.1100-01
20	475.44	3.7585+01	6.0935+00	1.8202-02	6.0935+00	1.8202-02	8.0296-03	2.3074-01	3.5846+05	4.6505-03	7.1100-01
21	468.58	4.3162+01	7.0744+00	2.1035-02	7.0744+00	2.1035-02	9.2791-03	2.6664-01	4.1425+05	5.3726-03	1.0880+00
22	454.75	3.4591+01	5.6494+00	1.6628-02	5.6494+00	1.6628-02	7.3354-03	2.1079-01	3.2747+05	4.2446-03	1.3070+00
23	602.94	-3.1686-02	-5.5879-03	-1.8381-05	-5.5879-03	-1.8381-05	-8.1087-06	-2.3301-04	-3.6200+02	-4.7243-06	1.6410+00
24	476.80	2.7070+00	4.4870-01	1.3416-03	4.4870-01	1.3416-03	5.9185-04	1.7007-02	2.6422+04	3.4280-04	3.0090+00
25	462.06	2.1008+00	3.3652-01	9.9566-04	3.3652-01	9.9566-04	4.3922-04	1.2622-02	1.9608+04	2.5423-04	3.3930+00
26	456.01	3.4956+00	5.6110-01	1.6530-03	5.6110-01	1.6530-03	7.2920-04	2.0954-02	3.2553+04	4.2196-04	3.7770+00
27	531.58	8.9399+01	1.5024+01	4.6767-02	1.5024+01	4.6767-02	2.0631-02	5.9284-01	9.2101+05	1.1979-02	7.1100-01
28	473.34	4.8272+01	7.9351+00	2.3668-02	7.9351+00	2.3668-02	1.0441-02	3.0002-01	4.6610+05	6.0463-03	1.0880+00
29	457.83	3.3831+01	5.5867+00	1.6480-02	5.5867+00	1.6480-02	7.2698-03	2.0891-01	3.2455+05	4.2072-03	1.3070+00
30	480.45	3.3171+01	5.5777+00	1.6722-02	5.5777+00	1.6722-02	7.3765-03	2.1197-01	3.2931+05	4.2732-03	1.6410+00
31	492.99	2.1190+01	3.6657+00	1.1029-02	3.6457+00	1.1029-02	4.8654-03	1.3981-01	2.1720+05	2.8201-03	1.7720+00
32	530.04	1.1361+01	1.9718+00	6.1309-03	1.9718+00	6.1309-03	2.7046-03	7.7718-02	1.2074+05	1.5703-03	2.4660+00
33	486.12	9.3403+00	1.5811+00	4.7595-03	1.5811+00	4.7595-03	2.0996-03	6.0334-02	9.3732+04	1.2166-03	3.0090+00
34	461.70	6.4171+00	1.0530+00	3.1147-03	1.0530+00	3.1147-03	1.3740-03	3.9483-02	6.1340+04	7.9530-04	3.3930+00
35	449.64	2.2956+00	3.5790-01	1.0497-03	3.5790-01	1.0497-03	4.6304-04	1.3306-02	2.0672+04	2.6787-04	3.7770+00
36	455.22	2.8457+01	4.6352+00	1.3648-02	4.6352+00	1.3648-02	6.0205-03	1.7300-01	2.6877+05	3.4837-03	1.3070+00
37	536.16	1.6414+01	2.8934+00	9.0378-03	2.8934+00	9.0378-03	3.9869-03	1.1457-01	1.7799+05	2.3155-03	2.4660+00
38	481.64	4.8670+00	8.0932-01	2.4283-03	8.0932-01	2.4283-03	1.0712-03	3.0783-02	4.7823+04	6.2060-04	3.0090+00
39	454.08	2.2436+00	3.6406-01	1.0711-03	3.6406-01	1.0711-03	4.7249-04	1.3577-02	2.1093+04	2.7339-04	3.3930+00
40	447.56	2.6234+00	4.1995-01	1.2298-03	4.1995-01	1.2298-03	5.4252-04	1.5590-02	2.4220+04	3.1382-04	3.7770+00
41	451.06	2.4317+00	3.8187-01	1.1211-03	3.8187-01	1.1211-03	4.9455-04	1.4211-02	2.2078+04	2.8612-04	4.1620+00
43	464.75	2.1164+00	3.5322-01	1.0471-03	3.5322-01	1.0471-03	4.6190-04	1.3273-02	2.0620+04	2.6739-04	5.3230+00
47	469.64	2.6469+01	4.3140+00	1.2833-02	4.3140+00	1.2833-02	5.6612-03	1.6268-01	2.5273+05	3.2779-03	7.1100-01
48	477.04	4.4402+01	7.4052+00	2.2146-02	7.4052+00	2.2146-02	9.7693-03	2.8073-01	4.3613+05	5.6584-03	1.0880+00
49	457.95	2.8428+01	4.7088+00	1.3891-02	4.7088+00	1.3891-02	6.1280-03	1.7609-01	2.7357+05	3.5464-03	1.3070+00
50	477.85	2.0012+01	3.3792+00	1.0112-02	3.3792+00	1.0112-02	4.4606-03	1.2818-01	1.9914+05	2.5837-03	1.6410+00
51	491.09	1.3655+01	2.3465+00	7.0890-03	2.3465+00	7.0890-03	3.1272-03	8.9863-02	1.3961+05	1.8124-03	1.7720+00
52	506.95	4.9569+00	8.6051-01	2.6301-03	8.6051-01	2.6301-03	1.1602-03	3.3340-02	5.1795+04	6.7292-04	2.4660+00
53	471.95	3.0681+00	5.0691-01	1.5104-03	5.0691-01	1.5104-03	6.6631-04	1.9147-02	2.9746+04	3.8584-04	3.0090+00
54	454.34	4.6701+00	7.5336-01	2.2168-03	7.5336-01	2.2168-03	9.7791-04	2.8101-02	4.3657+04	5.6585-04	3.3930+00
55	451.66	5.0249+00	7.9436-01	2.3330-03	7.9436-01	2.3330-03	1.0292-03	2.9574-02	4.5945+04	5.9544-04	3.7770+00
56	457.13	7.7615+00	1.1972+00	3.5299-03	1.1972+00	3.5299-03	1.5572-03	4.4746-02	6.9516+04	9.0112-04	4.1100-01
57	460.56	1.5631+01	2.5168+00	7.4384-03	2.5168+00	7.4384-03	3.2814-03	9.4293-02	1.4649+05	1.8992-03	7.1100-01
58	464.02	2.9317+01	4.8472+00	1.4361-02	4.8472+00	1.4361-02	6.3353-03	1.8205-01	2.8283+05	3.6674-03	1.0880+00
59	456.61	2.2436+01	3.7020+00	1.0911-02	3.7020+00	1.0911-02	4.8132-03	1.3831-01	2.1487+05	2.7853-03	1.3070+00
60	474.83	1.9494+01	3.2657+00	9.7509-03	3.2657+00	9.7509-03	4.3015-03	1.2361-01	1.9203+05	2.4912-03	1.6410+00
61	462.87	3.3777+00	5.5302-01	1.6372-03	5.5302-01	1.6372-03	7.2221-04	2.0754-02	3.2242+04	4.1805-04	3.0090+00
62	447.11	2.4161+00	3.8783-01	1.1354-03	3.8783-01	1.1354-03	5.0086-04	1.4393-02	2.2360+04	2.8972-04	3.3930+00
63	446.95	1.4603+00	2.3010-01	6.7355-04	2.3010-01	6.7355-04	2.9713-04	8.5383-03	1.3265+04	1.7187-04	3.7770+00
64	447.24	1.4488+01	2.4177+00	7.0787-03	2.4177+00	7.0787-03	3.1227-03	8.9734-02	1.3941+05	1.8063-03	1.0880+00
65	444.90	1.4995+01	2.4982+00	7.3025-03	2.4982+00	7.3025-03	3.2214-03	9.2570-02	1.4381+05	1.8632-03	1.3070+00
66	468.06	1.6922+01	2.8640+00	8.5099-03	2.8640+00	8.5099-03	3.7540-03	1.0788-01	1.6759+05	2.1735-03	1.6410+00
69	450.27	3.9143+00	6.5456-01	1.9205-03	6.5456-01	1.9205-03	8.4722-04	2.4346-02	3.7822+04	4.9014-04	4.1100-01
70	440.00	1.1699+00	1.9425-01	5.6584-04	1.9425-01	5.6584-04	2.4962-04	7.1729-03	1.1144+04	1.4434-04	7.1100-01
71	438.46	3.4696+00	5.7380-01	1.6697-03	5.7380-01	1.6697-03	7.3657-04	2.1166-02	3.2882+04	4.2590-04	1.3070+00
72	452.44	5.3694+00	8.9921-01	2.6424-03	8.9921-01	2.6424-03	1.1657-03	3.3496-02	5.2038+04	6.7443-04	1.6410+00
73	456.08	2.8281+00	4.5675-01	1.3457-03	4.5675-01	1.3457-03	5.9362-04	1.7058-02	2.6501+04	3.4351-04	3.7770+00
74	475.31	3.0857+00	5.1250-01	1.5308-03	5.1250-01	1.5308-03	6.7528-04	1.9405-02	3.0146+04	3.9110-04	5.3230+00
77	475.45	1.1999+01	2.0229+00	6.0428-03	2.0229+00	6.0428-03	2.6657-03	7.6601-02	1.1900+05	1.5439-03	3.0090+00
78	456.45	8.8192+00	1.4507+00	4.2751-03	1.4507+00	4.2751-03	1.8859-03	5.4193-02	8.4192+04	1.0913-03	3.3930+00
79	450.69	5.2010+00	8.3691-01	2.4563-03	8.3691-01	2.4563-03	1.0836-03	3.1137-02	4.8373+04	6.2688-04	3.7770+00
80	528.54	1.1876+01	2.0960+00	6.5097-03	2.0960+00	6.5097-03	2.8717-03	8.2520-02	1.2820+05	1.6672-03	2.4660+00
81	483.76	1.0677+01	1.8100+00	5.4393-03	1.8100+00	5.4393-03	2.3995-03	6.8951-02	1.0712+05	1.3902-03	3.0090+00
82	464.64	1.0198+01	1.6919+00	5.0150-03	1.6919+00	5.0150-03	2.2123-03	6.3573-02	9.8764+04	1.2807-03	3.3930+00
83	456.78	9.5875+00	1.5680+00	4.6219-03	1.5680+00	4.6219-03	2.0389-03	5.8589-02	9.1022+04	1.1799-03	3.7770+00
337	584.25	2.5255+01	5.0379+00	1.6329-02	5.0379+00	1.6329-02	7.2035-03	2.0700-01	3.2158+05	4.1930-03	7.1680+00
339	569.74	2.4174+01	4.8837+00	1.5652-02	4.8837+00	1.5652-02	6.9045-03	1.9841-01	3.0824+05	4.0162-03	8.1130+00
340	504.39	9.0161+00	1.7134+00	5.2270-03	1.7134+00	5.2270-03	2.3058-03	6.6260-02	1.0294+05	1.3372-03	8.6180+00
342	578.68	2.2541+01	4.6255+00	1.4928-02	4.6255+00	1.4928-02	6.5851-03	1.8923-01	2.9398+05	3.8321-03	7.1680+00
344	557.68	1.7775+01	3.5841+00	1.1380-02	3.5841+00	1.1380-02	5.0202-03	1.4426-01	2.2411+05	2.9185-03	8.1130+00
347	529.70	1.4725+01	2.8432+00	8.8382-03	2.8432+00	8.8382-03	3.8989-03	1.1204-01	1.7406+05	2.2637-03	7.1680+00
349	521.35	7.7558+00	1.5256+00	4.7127-03	1.5256+00	4.7127-03	2.0789-03	5.9740-02	9.2810+04	1.2066-03	8.1130+00
350	481.91	1.6286+00	2.8794-01	8.6412-04	2.8794-01	8.6412-04	3.8120-04	1.0954-02	1.7018+04	2.2084-04	8.6180+00
352	500.31	2.4010+00	4.4418-01	1.3510-03	4.4418-01	1.3510-03	5.9597-04	1.7126-02	2.6606+04	3.4555-04	7.1680+00
354	504.20	2.4390+00	4.7333-01	1.4438-03	4.7333-01	1.4438-03	6.3689-04	1.8302-02	2.8433+04	3.6935-04	8.1130+00
357	510.33	9.2047+00	1.7091+00	5.2366-03	1.7091+00	5.2366-03	2.3101-03	6.6382-02	1.0313+05	1.3400-03	7.1680+00
359	505.57	7.0826+00	1.2859+00	3.9263-03	1.2859+00	3.9263-03	1.7320-03	4.9772-02	7.7324+04	1.0045-03	8.1130+00
401	569.97	8.8735+01	7.9113+00	2.5359-02	7.9113+00	2.5359-02	1.1187-02	3.2146-01	4.9941+05	6.5072-03	4.5500-01
403	535.76	6.3075+01	5.4440+00	1.7000-02	5.4440+00	1.7000-02	7.4993-03	2.1550-01	3.3479+05	4.3553-03	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.3524-06	-5.6936-03	-4.3524-06	-1.9200-06	-5.5173-05	-8.5714+01	-9.5806-07	8.0100-01
405	579.01	9.4989+01	8.4129+00	2.7157-02	8.4129+00	2.7157-02	1.1980-02	3.4426-01	5.3482+05	6.9716-03	1.0510+00
406	550.70	8.5877+01	7.5244+00	2.3764-02	7.5244+00	2.3764-02	1.0483-02	3.0125-01	4.6800+05	6.0925-03	1.1670+00
407	542.29	7.7664+01	6.8911+00	2.1625-02	6.8911+00	2.1625-02	9.5397-03	2.7413-01	4.2588+05	5.5420-03	1.2830+00
408	510.79	5.0154+01	4.2109+00	1.2907-02	4.2109+00	1.2907-02	5.6936-03	1.6361-01	2.5418+05	3.3028-03	5.1300-01
409	459.77	9.0572+00	7.4882-01	2.2119-03	7.4882-01	2.2119-03	9.7576-04	2.8039-02	4.3561+04	5.6473-04	5.7000-01
410	510.09	4.4319+01	3.6517+00	1.1187-02	3.6517+00	1.1187-02	4.9350-03	1.4181-01	2.2031+05	2.8627-03	6.2800-01
411	464.72	1.1569+01	9.5972-01	2.8449-03	9.5972-01	2.8449-03	1.2550-03	3.6063-02	5.6027+04	7.2651-04	6.8600-01
412	519.52	5.7673+01	4.9279+00	1.5202-02	4.9279+00	1.5202-02	6.7063-03	1.9271-01	2.9939+05	3.8918-03	7.4400-01
413	464.77	1.5084+01	1.2587+00	3.7314-03	1.2587+00	3.7314-03	1.6461-03	4.7301-02	7.3485+04	9.5290-04	8.0100-01
414	549.63	8.3354+01	7.2552+00	2.2895-02	7.2552+00	2.2895-02	1.0100-02	2.9023-01	4.5089+05	5.8694-03	8.5900-01
415	468.81	1.9428+01	1.6161+00	4.8045-03	1.6161+00	4.8045-03	2.1194-03	6.0904-02	9.4618+04	1.2271-03	9.1700-01
416	519.47	4.8679+01	3.8853+00	1.1986-02	3.8853+00	1.1986-02	5.2873-03	1.5194-01	2.3604+05	3.0683-03	5.7000-01
417	559.48	8.9304+01	7.8191+00	2.4861-02	7.8191+00	2.4861-02	1.0967-02	3.1515-01	4.8961+05	6.3764-03	1.0520+00

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8.66035+01 1.57437-02 1.13097+00 4.61941+03 1.52523-05 7.01488-08 8.42623-02 7.72000+00 7.27733-06 7.44159-02

1	482.85	2.7698+01	4.7341+00	1.4213-02	4.7341+00	1.4213-02	6.2698-03	1.8017-01	2.7990+05	3.6335-03	4.1100-01
2	518.62	5.7329+01	1.0026+01	3.0900-02	1.0026+01	3.0900-02	1.3631-02	3.9170-01	6.0853+05	7.9124-03	7.1100-01
3	515.22	5.9339+01	1.0355+01	3.1834-02	1.0355+01	3.1834-02	1.4043-02	4.0355-01	6.2693+05	8.1505-03	1.3070+00
4	510.53	4.4413+01	7.7277+00	2.3674-02	7.7277+00	2.3674-02	1.0444-02	3.0011-01	4.6623+05	6.0600-03	1.6410+00
5	513.01	2.6026+01	4.7478+00	1.4572-02	4.7478+00	1.4572-02	6.4282-03	1.8472-01	2.8697+05	3.7304-03	1.7720+00
6	529.79	1.3282+01	2.3048+00	7.1627-03	2.3048+00	7.1627-03	3.1597-03	9.0798-02	1.4106+05	1.8351-03	2.4660+00
7	485.83	8.2457+00	1.3873+00	4.1740-03	1.3873+00	4.1740-03	1.8413-03	5.2912-02	8.2201+04	1.0672-03	3.0090+00
8	470.90	9.6945+00	1.6006+00	4.7644-03	1.6006+00	4.7644-03	2.1018-03	6.0396-02	9.3828+04	1.2174-03	3.3930+00
9	463.70	1.0873+01	1.7865+00	5.2904-03	1.7865+00	5.2904-03	2.3338-03	6.7064-02	1.0419+05	1.3513-03	3.7770+00
10	479.50	1.0324+01	1.7194+00	5.1496-03	1.7194+00	5.1496-03	2.2717-03	6.5279-02	1.0141+05	1.3163-03	5.3230+00
14	498.26	5.2113+01	8.9966+00	2.7314-02	8.9966+00	2.7314-02	1.2049-02	3.4625-01	5.3792+05	6.9878-03	1.6880+00
15	487.43	4.5680+01	7.8309+00	2.3588-02	7.8309+00	2.3588-02	1.0406-02	2.9902-01	4.6454+05	6.0316-03	1.3070+00
16	516.07	5.2609+01	9.1857+00	2.8257-02	9.1857+00	2.8257-02	1.2465-02	3.5820-01	5.5648+05	7.2348-03	1.6410+00
19	509.80	4.0979+01	6.4809+00	1.9844-02	6.4809+00	1.9844-02	8.7539-03	2.5155-01	3.9080+05	5.0793-03	4.1100-01
20	484.62	3.7309+01	6.0854+00	1.8293-02	6.0854+00	1.8293-02	8.0699-03	2.3190-01	3.6026+05	4.6771-03	7.1100-01
21	479.66	4.2236+01	6.9719+00	2.0883-02	6.9719+00	2.0883-02	9.2124-03	2.6473-01	4.1127+05	5.3381-03	1.0880+00
22	463.48	3.4931+01	5.7388+00	1.6992-02	5.7388+00	1.6992-02	7.4956-03	2.1539-01	3.3463+05	4.3402-03	1.3070+00
23	602.95	4.6234-02	8.1535-03	2.6813-05	8.1535-03	2.6813-05	1.1828-05	3.3990-04	5.2805+02	6.8935-06	1.6410+00
24	477.47	2.6404+00	4.4615-01	1.3343-03	4.4615-01	1.3343-03	5.8859-04	1.6914-02	2.6276+04	3.4102-04	3.0090+00
25	462.57	2.0992+00	3.3639-01	9.9534-04	3.3639-01	9.9534-04	4.3908-04	1.2617-02	1.9602+04	2.5423-04	3.3930+00
26	456.88	3.4504+00	5.5417-01	1.6331-03	5.5417-01	1.6331-03	7.2043-04	2.0702-02	3.2162+04	4.1703-04	3.7770+00
27	552.89	8.3649+01	1.4241+01	4.5038-02	1.4241+01	4.5038-02	1.9868-02	5.7092-01	8.8696+05	1.1551-02	7.1100-01
28	485.37	4.7636+01	7.8930+00	2.3740-02	7.8930+00	2.3740-02	1.0473-02	3.0094-01	4.6753+05	6.0699-03	1.0880+00
29	466.28	3.3701+01	5.5971+00	1.6605-02	5.5971+00	1.6605-02	7.3252-03	2.1050-01	3.2702+05	4.2420-03	1.3070+00
30	488.76	3.3114+01	5.5985+00	1.6880-02	5.5985+00	1.6880-02	7.4465-03	2.1398-01	3.3243+05	4.3166-03	1.6410+00
31	498.29	2.1123+01	3.6467+00	1.1072-02	3.6467+00	1.1072-02	4.8842-03	1.4035-01	2.1804+05	2.8325-03	1.7720+00
32	532.93	1.1564+01	2.0105+00	6.2630-03	2.0105+00	6.2630-03	2.7628-03	7.9393-02	1.2334+05	1.6048-03	2.4660+00
33	488.45	9.3351+00	1.5826+00	4.7708-03	1.5826+00	4.7708-03	2.1046-03	6.0477-02	9.3954+04	1.2200-03	3.0090+00
34	463.31	6.3948+00	1.0505+00	3.1099-03	1.0505+00	3.1099-03	1.3719-03	3.9423-02	6.1245+04	7.9436-04	3.3930+00
35	450.19	2.2369+00	3.4888-01	1.0233-03	3.4888-01	1.0233-03	4.5142-04	1.2972-02	2.0153+04	2.6123-04	3.7770+00
36	462.30	2.8293+01	4.6306+00	1.3699-02	4.6306+00	1.3699-02	6.0431-03	1.7365-01	2.6978+05	3.4989-03	1.3070+00
37	540.30	1.6611+01	2.9357+00	9.1960-03	2.9357+00	9.1960-03	4.0567-03	1.1657-01	1.8110+05	2.3572-03	2.4660+00
38	482.85	4.8119+00	8.0080-01	2.4042-03	8.0080-01	2.4042-03	1.0606-03	3.0477-02	4.7348+04	6.1464-04	3.0090+00
39	454.65	2.0223+00	3.2828-01	9.6592-04	3.2828-01	9.6592-04	4.2610-04	1.2244-02	1.9022+04	2.4663-04	3.3930+00
40	448.21	2.6213+00	4.1980-01	1.2296-03	4.1980-01	1.2296-03	5.4243-04	1.5587-02	2.4216+04	3.1387-04	3.7770+00
41	451.64	2.2395+00	3.5183-01	1.0330-03	3.5183-01	1.0330-03	4.5569-04	1.3095-02	2.0343+04	2.6372-04	4.1620+00
43	465.28	2.0987+00	3.5039-01	1.0388-03	3.5039-01	1.0388-03	4.5825-04	1.3168-02	2.0458+04	2.6536-04	5.3230+00
47	476.19	2.5705+01	4.2079+00	1.2573-02	4.2079+00	1.2573-02	5.5463-03	1.5938-01	2.4760+05	3.2133-03	7.1100-01
48	488.21	4.4705+01	7.5107+00	2.2637-02	7.5107+00	2.2637-02	9.9859-03	2.8695-01	4.4580+05	5.7885-03	1.0880+00
49	465.06	2.8465+01	4.7378+00	1.4044-02	4.7378+00	1.4044-02	6.1952-03	1.7802-01	2.7657+05	3.5874-03	1.3070+00
50	482.85	1.9935+01	3.3773+00	1.0140-02	3.3773+00	1.0140-02	4.4730-03	1.2854-01	1.9969+05	2.5922-03	1.6410+00
51	494.48	1.3504+01	2.3257+00	7.0414-03	2.3257+00	7.0414-03	3.1062-03	8.9261-02	1.3867+05	1.8011-03	1.7720+00
52	508.23	5.1294+00	8.9118-01	2.7256-03	8.9118-01	2.7256-03	1.2023-03	3.4550-02	5.3676+04	6.9759-04	2.4660+00
53	472.73	3.1460+00	5.2006-01	1.5500-03	5.2006-01	1.5500-03	6.8377-04	1.9649-02	3.0525+04	3.9608-04	3.0090+00
54	455.52	4.6488+00	7.5053-01	2.2097-03	7.5053-01	2.2097-03	9.7477-04	2.8011-02	4.3517+04	5.6422-04	3.3930+00
55	452.84	5.0016+00	7.9130-01	2.3253-03	7.9130-01	2.3253-03	1.0258-03	2.9477-02	4.5794+04	5.9367-04	3.7770+00
56	458.93	7.3288+00	1.1319+00	3.3404-03	1.1319+00	3.3404-03	1.4736-03	4.2345-02	6.5786+04	8.5308-04	4.1100-01
57	464.44	1.5426+01	2.4903+00	7.3785-03	2.4903+00	7.3785-03	3.2549-03	9.3534-02	1.4531+05	1.8848-03	7.1100-01
58	471.35	2.9155+01	4.8441+00	1.4423-02	4.8441+00	1.4423-02	6.3627-03	1.8284-01	2.8405+05	3.6855-03	1.0880+00
59	462.27	2.2716+01	3.7625+00	1.1131-02	3.7625+00	1.1131-02	4.9101-03	1.4110-01	2.1920+05	2.8429-03	1.3070+00
60	479.68	1.9263+01	3.2375+00	9.6977-03	3.2375+00	9.6977-03	4.2780-03	1.2293-01	1.9098+05	2.4789-03	1.6410+00
61	463.71	3.4249+00	5.6108-01	1.6615-03	5.6108-01	1.6615-03	7.3296-04	2.1062-02	3.2722+04	4.2441-04	3.0090+00
62	447.71	2.4203+00	3.8866-01	1.1380-03	3.8866-01	1.1380-03	5.0201-04	1.4426-02	2.2411+04	2.9047-04	3.3930+00
63	447.33	1.4868+00	2.3433-01	6.8594-04	2.3433-01	6.8594-04	3.0259-04	8.6953-03	1.3509+04	1.7508-04	3.7770+00
64	450.72	1.4062+01	2.3523+00	6.9020-03	2.3523+00	6.9020-03	3.0447-03	8.7493-02	1.3592+05	1.7620-03	1.0880+00
65	448.63	1.4663+01	2.4493+00	7.1761-03	2.4493+00	7.1761-03	3.1656-03	9.0968-02	1.4132+05	1.8318-03	1.3070+00
66	472.30	1.6890+01	2.8668+00	8.5417-03	2.8668+00	8.5417-03	3.7681-03	1.0828-01	1.6822+05	2.1827-03	1.6410+00
69	451.25	3.8338+00	6.4152-01	1.8831-03	6.4152-01	1.8831-03	8.3069-04	2.3871-02	3.7084+04	4.8073-04	4.1100-01
70	440.29	1.2062+00	2.0033-01	5.8351-04	2.0033-01	5.8351-04	2.5741-04	7.3968-03	1.1491+04	1.4889-04	7.1100-01
71	439.32	3.5247+00	5.8326-01	1.6978-03	5.8326-01	1.6978-03	7.4895-04	2.1522-02	3.3435+04	4.3320-04	1.3070+00
72	453.76	5.5294+00	9.2684-01	2.7254-03	9.2684-01	2.7254-03	1.2023-03	3.4548-02	5.3673+04	6.9584-04	1.6410+00
73	456.80	2.8125+00	4.5445-01	1.3392-03	4.5445-01	1.3392-03	5.9077-04	1.6976-02	2.6374+04	3.4197-04	3.7770+00
74	476.07	3.0779+00	5.1147-01	1.5281-03	5.1147-01	1.5281-03	6.7409-04	1.9371-02	3.0093+04	3.9054-04	5.3230+00
77	478.41	1.1913+01	2.0124+00	6.0224-03	2.0124+00	6.0224-03	2.6567-03	7.6343-02	1.1860+05	1.5393-03	3.0090+00
78	458.64	8.7730+00	1.4452+00	4.2644-03	1.4452+00	4.2644-03	1.8812-03	5.4058-02	8.3981+04	1.0890-03	3.3930+00
79	451.96	5.2021+00	8.3780-01	2.4604-03	8.3780-01	2.4604-03	1.0854-03	3.1190-02	4.8455+04	6.2814-04	3.7770+00
80	531.57	1.2369+01	2.1870+00	6.8058-03	2.1870+00	6.8058-03	3.0023-03	8.6274-02	1.3403+05	1.7438-03	2.4660+00
81	486.40	1.0571+01	1.7952+00	5.4034-03	1.7952+00	5.4034-03	2.3836-03	6.8496-02	1.0641+05	1.3816-03	3.0090+00
82	467.21	1.0217+01	1.6979+00	5.0407-03	1.6979+00	5.0407-03	2.2236-03	6.3898-02	9.9269+04	1.2878-03	3.3930+00
83	459.19	9.5771+00	1.5689+00	4.6310-03	1.5689+00	4.6310-03	2.0429-03	5.8705-02	9.1201+04	1.1827-03	3.7770+00
337	590.52	2.5140+01	5.0330+00	1.6389-02	5.0330+00	1.6389-02	7.2299-03	2.0776-01	3.2276+05	4.2110-03	7.1680+00
339	575.79	2.4089+01	4.8838+00	1.5721-02	4.8838+00	1.5721-02	6.9350-03	1.9928-01	3.0960+05	4.0364-03	8.1130+00
340	506.65	9.0966+00	1.7312+00	5.2886-03	1.7312+00	5.2886-03	2.3330-03	6.7040-02	1.0415+05	1.3535-03	8.6180+00
342	584.30	2.2310+01	4.5929+00	1.4883-02	4.5929+00	1.4883-02	6.5655-03	1.8866-01	2.9310+05	3.8229-03	7.1680+00
344	562.11	1.7651+01	3.5684+00	1.1366-02	3.5684+00	1.1366-02	5.0138-03	1.4408-01	2.2383+05	2.9163-03	8.1130+00
347	533.40	1.4729+01	2.8504+00	8.8826-03	2.8504+00	8.8826-03	3.9185-03	1.1260-01	1.7493+05	2.2761-03	7.1680+00
349	523.32	7.7704+00	1.5303+00	4.7328-03	1.5303+00	4.7328-03	2.0878-03	5.9996-02	9.3207+04	1.2122-03	8.1130+00
350	482.31	1.6462+00	2.9114-01	8.7373-04	2.9114-01	8.7373-04	3.8543-04	1.1076-02	1.7207+04	2.2336-04	8.6180+00
352	500.93	2.3849+00	4.4138-01	1.3427-03	4.4138-01	1.3427-03	5.9230-04	1.7020-02	2.6442+04	3.4354-04	7.1680+00
354	504.80	2.4042+00	4.6675-01	1.4239-03	4.6675-01	1.4239-03	6.2814-04	1.8050-02	2.8042+04	3.6438-04	8.1130+00
357	512.62	9.1304+00	1.6977+00	5.2091-03	1.6977+00	5.2091-03	2.2979-03	6.6033-02	1.0259+05	1.3335-03	7.1680+00
359	507.35	7.0660+00	1.2844+00	3.9255-03	1.2844+00	3.9255-03	1.7317-03	4.9762-02	7.7308+04	1.0047-03	8.1130+00
401	591.23	8.2216+01	7.4210+00	2.4179-02	7.4210+00	2.4179-02	1.0666-02	3.0650-01	4.7617+05	6.2126-03	4.5500-01
403	551.23	6.0009+01	5.2283+00	1.6514-02	5.2283+00	1.6514-02	7.2849-03	2.0934-01	3.2522+05	4.2351-03	6.8600-01
404	4540.67	2.3519+03	-1.4919+03	-1.0841+00	-1.4919+03	-1.0841+00	-4.7823-01	-1.3743+01	-2.1350+07	-2.3583-01	8.0100-01
405	601.81	8.8471+01	7.9386+00	2.6083-02	7.9386+00	2.6083-02	1.1506-02	3.3064-01	5.1366+05	6.7053-03	1.0510+00
406	571.54	8.0988+01	7.1845+00	2.3050-02	7.1845+00	2.3050-02	1.0168-02	2.9220-01	4.5394+05	5.9171-03	1.1670+00
407	561.20	7.3931+01	6.6349+00	2.1118-02	6.6349+00	2.1118-02	9.3158-03	2.6770-01	4.1588+05	5.4183-03	1.2830+00
408	523.38	5.0057+01	4.2361+00	1.3102-02	4.2361+00	1.3102-02	5.7797-03	1.6609-01	2.5802+05	3.3557-03	5.1300-01
409	462.15	9.4665+00	7.8392-01	2.3189-03	7.8392-01	2.3189-03	1.0229-03	2.9395-02	4.5667+04	5.9227-04	5.7000-01
410	521.13	4.4090+01	3.6582+00	1.1295-02	3.6582+00	1.1295-02	4.9829-03	1.4319-01	2.2245+05	2.8927-03	6.2800-01
411	467.69	1.2350+01	1.0265+00	3.0485-03	1.0265+00	3.0485-03	1.3448-03	3.8645-02	6.0037+04	7.7883-04	6.8600-01
412	534.24	5.7433+01	4.9524+00	1.5442-02	4.9524+00	1.9442-02	6.8122-03	1.9576-01	3.0412+05	3.9572-03	7.4400-01
413	468.71	1.6183+01	1.3541+00	4.0242-03	1.3541+00	4.0242-03	1.7752-03	5.1013-02	7.9251+04	1.0281-03	8.0100-01
414	570.27	8.1192+01	7.1544+00	2.2931-02	7.1544+00	2.2931-02	1.0116-02	2.9068-01	4.5159+05	5.8861-03	8.5900-01
415	473.80	2.0422+01	1.7044+00	5.0839-03	1.7044+00	5.0839-03	2.2427-03	6.4446-02	1.0012+05	1.2992-03	9.1700-01
416	531.48	4.7615+01	3.8288+00	1.1914-02	3.8288+00	1.1914-02	5.2558-03	1.5103-01	2.3464+05	3.0527-03	5.7000-01
417	581.41	8.6142+01	7.6400+00	2.4701-02	7.6400+00	2.4701-02	1.0896-02	3.1312-01	4.8645+05	6.3438-03	1.0520+00

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8.66488+01 1.57425-02 1.13088+00 4.62061+03 1.52431-05 7.01855-08 8.41894-02 7.72000+00 7.28163-06 7.44168-02

1	496.96	2.9047+01	5.0104+00	1.5200-02	5.0104+00	1.5200-02	6.7075-03	1.9268-01	2.9916+05	3.8852-03	4.1100-01
2	547.04	5.6482+01	1.0052+01	3.1654-02	1.0052+01	3.1654-02	1.3969-02	4.0126-01	6.2302+05	8.1095-03	7.1100-01
3	544.45	5.7565+01	1.0229+01	3.2147-02	1.0229+01	3.2147-02	1.4186-02	4.0752-01	6.3272+05	8.2349-03	1.3070+00
4	532.61	4.3954+01	7.7539+00	2.4152-02	7.7539+00	2.4152-02	1.0658-02	3.0617-01	4.7536+05	6.1835-03	1.6410+00
5	525.91	2.5665+01	4.7198+00	1.4628-02	4.7198+00	1.4628-02	6.4551-03	1.8543-01	2.8790+05	3.7439-03	1.7720+00
6	536.63	1.3955+01	2.4319+00	7.5978-03	2.4319+00	7.5978-03	3.3528-03	9.6314-02	1.4954+05	1.9456-03	2.4660+00
7	489.99	8.4281+00	1.4218+00	4.2914-03	1.4218+00	4.2914-03	1.8938-03	5.4401-02	8.4464+04	1.0966-03	3.0090+00
8	475.70	9.4894+00	1.5718+00	4.6953-03	1.5718+00	4.6953-03	2.0720-03	5.9520-02	9.2412+04	1.1990-03	3.3930+00
9	469.06	1.0609+01	1.7495+00	5.2012-03	1.7495+00	5.2012-03	2.2953-03	6.5934-02	1.0237+05	1.3278-03	3.7770+00
10	484.70	1.0312+01	1.7233+00	5.1814-03	1.7233+00	5.1814-03	2.2865-03	6.5682-02	1.0198+05	1.3237-03	5.3230+00
14	523.64	4.9606+01	8.7026+00	2.6926-02	8.7026+00	2.6926-02	1.1882-02	3.4132-01	5.2995+05	6.8907-03	1.0880+00
15	509.98	4.4671+01	7.7698+00	2.3797-02	7.7698+00	2.3797-02	1.0501-02	3.0166-01	4.6837+05	6.0863-03	1.3070+00
16	542.04	5.1268+01	9.0967+00	2.8537-02	9.0967+00	2.8537-02	1.2593-02	3.6175-01	5.6166+05	7.3092-03	1.6410+00
19	529.77	3.8960+01	6.2391+00	1.9392-02	6.2391+00	1.9392-02	8.5576-03	2.4583-01	3.8168+05	4.9642-03	4.1100-01
20	503.60	3.8435+01	6.3466+00	1.9347-02	6.3466+00	1.9347-02	8.5377-03	2.4525-01	3.8079+05	4.9467-03	7.1100-01
21	500.38	4.0807+01	6.8275+00	2.0764-02	6.8275+00	2.0764-02	9.1629-03	2.6322-01	4.0868+05	5.3082-03	1.0880+00
22	480.98	3.4765+01	5.7785+00	1.7328-02	5.7785+00	1.7328-02	7.6465-03	2.1965-01	3.4104+05	4.4259-03	1.3070+00
23	602.97	7.1688-02	1.2643-02	4.1583-05	1.2643-02	4.1583-05	1.8350-05	5.2712-04	8.1843+02	1.0681-05	1.6410+00
24	478.82	2.7174+00	4.5103-01	1.3504-03	4.5103-01	1.3504-03	5.9590-04	1.7118-02	2.6578+04	3.4489-04	3.0090+00
25	463.68	2.2047+00	3.5355-01	1.0471-03	3.5355-01	1.0471-03	4.6208-04	1.3274-02	2.0609+04	2.6725-04	3.3930+00
26	458.60	3.4582+00	5.5607-01	1.6410-03	5.5607-01	1.6410-03	7.2414-04	2.0802-02	3.2297+04	4.1873-04	3.7770+00
27	592.70	7.6071+01	1.3256+01	4.3247-02	1.3256+01	4.3247-02	1.9084-02	5.4822-01	8.5118+05	1.1103-02	7.1100-01
28	508.82	4.6166+01	7.7658+00	2.3764-02	7.7658+00	2.3764-02	1.0487-02	3.0125-01	4.6773+05	6.0776-03	1.0880+00
29	483.02	3.2992+01	5.5406+00	1.6639-02	5.5406+00	1.6639-02	7.3424-03	2.1092-01	3.2748+05	4.2503-03	1.3070+00
30	505.24	3.2927+01	5.6264+00	1.7172-02	5.6264+00	1.7172-02	7.5779-03	2.1768-01	3.3798+05	4.3910-03	1.6410+00
31	508.79	2.0995+01	3.6490+00	1.1166-02	3.6490+00	1.1166-02	4.9276-03	1.4155-01	2.1978+05	2.8557-03	1.7720+00
32	538.74	1.1804+01	2.0597+00	6.4452-03	2.0597+00	6.4452-03	2.8442-03	8.1703-02	1.2686+05	1.6506-03	2.4660+00
33	493.10	9.2125+00	1.5666+00	4.7390-03	1.5666+00	4.7390-03	2.0913-03	6.0075-02	9.3274+04	1.2111-03	3.0090+00
34	466.47	6.1881+00	1.0187+00	3.0230-03	1.0187+00	3.0230-03	1.3340-03	3.8321-02	5.9498+04	7.7165-04	3.3930+00
35	451.34	2.1179+00	3.3059-01	9.7057-04	3.3059-01	9.7057-04	4.2830-04	1.2303-02	1.9103+04	2.4758-04	3.7770+00
36	476.37	2.7741+01	4.5832+00	1.3698-02	4.5832+00	1.3698-02	6.0447-03	1.7364-01	2.6960+05	3.4980-03	1.3070+00
37	548.66	1.6639+01	2.9556+00	9.3186-03	2.9556+00	9.3186-03	4.1122-03	1.1813-01	1.8341+05	2.3875-03	2.4660+00
38	485.27	4.9558+00	8.2605-01	2.4847-03	8.2605-01	2.4847-03	1.0965-03	3.1498-02	4.8904+04	6.3478-04	3.0090+00
39	455.59	2.3657+00	3.8427-01	1.1316-03	3.8427-01	1.1316-03	4.9935-04	1.4344-02	2.2272+04	2.8871-04	3.3930+00
40	449.52	2.6182+00	4.1968-01	1.2306-03	4.1968-01	1.2306-03	5.4303-04	1.5599-02	2.4220+04	3.1388-04	3.7770+00
41	452.71	2.4156+00	3.7977-01	1.1160-03	3.7977-01	1.1160-03	4.9250-04	1.4148-02	2.1966+04	2.8471-04	4.1620+00
43	466.33	2.1564+00	3.6028-01	1.0690-03	3.6028-01	1.0690-03	4.7176-04	1.3552-02	2.1041+04	2.7288-04	5.3230+00
47	488.57	2.3679+01	3.9079+00	1.1783-02	3.9079+00	1.1783-02	5.1997-03	1.4937-01	2.3191+05	3.0107-03	7.1100-01
48	510.67	4.4768+01	7.6306+00	2.3383-02	7.6306+00	2.3383-02	1.0318-02	2.9641-01	4.6022+05	5.9804-03	1.0880+00
49	479.24	2.8101+01	4.7215+00	1.4140-02	4.7215+00	1.4140-02	6.2400-03	1.7925-01	2.7831+05	3.6115-03	1.3070+00
50	492.77	1.9614+01	3.3445+00	1.0115-02	3.3445+00	1.0115-02	4.4636-03	1.2822-01	1.9908+05	2.5850-03	1.6410+00
51	501.19	1.3372+01	2.3129+00	7.0383-03	2.3129+00	7.0383-03	3.1059-03	8.9221-02	1.3853+05	1.7994-03	1.7720+00
52	510.84	5.2068+00	9.0612-01	2.7770-03	9.0612-01	2.7770-03	1.2255-03	3.5203-02	5.4657+04	7.1027-04	2.4660+00
53	474.34	3.2743+00	5.4185-01	1.6171-03	5.4185-01	1.6171-03	7.1359-04	2.0499-02	3.1827+04	4.1292-04	3.0090+00
54	457.84	4.6857+00	7.5767-01	2.2347-03	7.5767-01	2.2347-03	9.8614-04	2.8328-02	4.3983+04	5.7021-04	3.3930+00
55	455.48	5.2239+00	8.2796-01	2.4379-03	8.2796-01	2.4379-03	1.0758-03	3.0905-02	4.7984+04	6.2201-04	3.7770+00
56	462.52	7.5075+00	1.1623+00	3.4395-03	1.1623+00	3.4395-03	1.5178-03	4.3600-02	6.7696+04	8.7781-04	4.1100-01
57	472.09	1.5406+01	2.4998+00	7.4483-03	2.4998+00	7.4483-03	3.2869-03	9.4418-02	1.4660+05	1.9017-03	7.1100-01
58	485.79	2.8485+01	4.7780+00	1.4378-02	4.7780+00	1.4378-02	6.3446-03	1.8226-01	2.8298+05	3.6732-03	1.0880+00
59	473.65	2.2883+01	3.8191+00	1.1392-02	3.8191+00	1.1392-02	5.0271-03	1.4441-01	2.2422+05	2.9088-03	1.3070+00
60	489.19	1.8757+01	3.1722+00	9.5689-03	3.1722+00	9.5689-03	4.2226-03	1.2130-01	1.8833+05	2.4450-03	1.6410+00
61	465.46	3.5751+00	5.8636-01	1.7388-03	5.8636-01	1.7388-03	7.6732-04	2.2042-02	3.4224+04	4.4384-04	3.0090+00
62	448.89	2.3288+00	3.7428-01	1.0969-03	3.7428-01	1.0969-03	4.8407-04	1.3905-02	2.1590+04	2.7979-04	3.3930+00
63	448.11	1.5766+00	2.4863-01	7.2829-04	2.4863-01	7.2829-04	3.2139-04	9.2322-03	1.4334+04	1.8576-04	3.7770+00
64	457.75	1.4450+01	2.4267+00	7.1628-03	2.4287+00	7.1628-03	3.1609-03	9.0799-02	1.4098+05	1.8277-03	1.0880+00
65	455.85	1.4731+01	2.4727+00	7.2829-03	2.4727+00	7.2829-03	3.2139-03	9.2321-02	1.4334+05	1.8582-03	1.3070+00
66	480.65	1.6445+01	2.8066+00	8.4140-03	2.8066+00	8.4140-03	3.7130-03	1.0666-01	1.6560+05	2.1491-03	1.6410+00
69	453.11	3.9990+00	6.7001-01	1.9695-03	6.7001-01	1.9695-03	8.6914-04	2.4967-02	3.8765+04	5.0246-04	4.1100-01
70	440.90	1.2177+00	2.0231-01	5.8962-04	2.0231-01	5.8962-04	2.6019-04	7.4744-03	1.1605+04	1.5034-04	7.1100-01
71	441.12	3.5797+00	5.9311-01	1.7289-03	5.9311-01	1.7289-03	7.6292-04	2.1916-02	3.4027+04	4.4082-04	1.3070+00
72	456.65	5.7252+00	9.6156-01	2.8336-03	9.6156-01	2.8336-03	1.2505-03	3.5921-02	5.5772+04	7.2301-04	1.6410+00
73	458.19	2.8016+00	4.5311-01	1.3367-03	4.5311-01	1.3367-03	5.8989-04	1.6945-02	2.6310+04	3.4110-04	3.7770+00
74	477.59	3.1023+00	5.1605-01	1.5437-03	5.1605-01	1.5437-03	6.8120-04	1.9568-02	3.0382+04	3.9423-04	5.3230+00
77	484.37	1.1710+01	1.9859+00	5.9695-03	1.9859+00	5.9695-03	2.6343-03	7.5672-02	1.1749+05	1.5250-03	3.0090+00
78	463.00	8.7205+00	1.4408+00	4.2652-03	1.4408+00	4.2652-03	1.8822-03	5.4068-02	8.3948+04	1.0886-03	3.3930+00
79	454.61	5.6852+00	9.1727-01	2.6992-03	9.1727-01	2.6992-03	1.1911-03	3.4217-02	5.3126+04	6.8865-04	3.7770+00
80	537.99	1.3266+01	2.3549+00	7.3649-03	2.3549+00	7.3649-03	3.2500-03	9.3361-02	1.4496+05	1.8860-03	2.4660+00
81	491.68	1.0511+01	1.7911+00	5.4126-03	1.7911+00	5.4126-03	2.3885-03	6.8612-02	1.0653+05	1.3832-03	3.0090+00
82	472.30	1.0146+01	1.6919+00	5.0419-03	1.6919+00	5.0419-03	2.2250-03	6.3914-02	9.9235+04	1.2873-03	3.3930+00
83	463.93	9.4587+00	1.5544+00	4.6045-03	1.5544+00	4.6045-03	2.0319-03	5.8369-02	9.0627+04	1.1752-03	3.7770+00
337	603.12	2.5049+01	5.0510+00	1.6615-02	5.0510+00	1.6615-02	7.3321-03	2.1062-01	3.2702+05	4.2680-03	7.1680+00
339	587.79	2.3762+01	4.8510+00	1.5765-02	4.8510+00	1.5765-02	6.9569-03	1.9984-01	3.1029+05	4.0466-03	8.1130+00
340	511.21	9.0904+00	1.7350+00	5.3189-03	1.7350+00	5.3189-03	2.3472-03	6.7425-02	1.0469+05	1.3604-03	8.6180+00
342	595.34	2.2055+01	4.5693+00	1.4938-02	4.5693+00	1.4938-02	6.5921-03	1.8937-01	2.9402+05	3.8358-03	7.1680+00
344	570.84	1.7404+01	3.5366+00	1.1342-02	3.5366+00	1.1342-02	5.0052-03	1.4378-01	2.2324+05	2.9090-03	8.1130+00
347	540.75	1.4714+01	2.8605+00	8.9647-03	2.8605+00	8.9647-03	3.9560-03	1.1364-01	1.7644+05	2.2960-03	7.1680+00
349	527.19	7.6904+00	1.5182+00	4.7097-03	1.5182+00	4.7097-03	2.0783-03	5.9703-02	9.2696+04	1.2055-03	8.1130+00
350	483.13	1.6899+00	2.9961-01	8.9802-04	2.9961-01	8.9802-04	3.9629-04	1.1384-02	1.7675+04	2.2940-04	8.6180+00
352	502.11	2.3938+00	4.4335-01	1.3500-03	4.4335-01	1.3500-03	5.9576-04	1.7114-02	2.6571+04	3.4516-04	7.1680+00
354	506.00	2.4722+00	4.8034-01	1.4669-03	4.8034-01	1.4669-03	6.4731-04	1.8595-02	2.8871+04	3.7509-04	8.1130+00
357	517.12	8.9481+00	1.6685+00	5.1375-03	1.6685+00	5.1375-03	2.2671-03	6.5125-02	1.0112+05	1.3144-03	7.1680+00
359	510.84	6.9423+00	1.2647+00	3.8759-03	1.2647+00	3.8759-03	1.7104-03	4.9133-02	7.6286+04	9.9134-04	8.1130+00
401	629.33	7.0909+01	6.5380+00	2.1966-02	6.5380+00	2.1966-02	9.6933-03	2.7845-01	4.3233+05	5.6495-03	4.5500-01
403	579.55	5.3927+01	4.7777+00	1.5427-02	4.7777+00	1.5427-02	6.8076-03	1.9556-01	3.0363+05	3.9582-03	6.8600-01
404	1001.49	6.7544+03	-2.4586+02	-3.6382-01	-2.4586+02	-3.6382-01	-1.6055-01	-4.6119+00	-7.1607+06	-8.8181-02	8.0100-01
405	643.17	7.7257+01	7.0920+00	2.4099-02	7.0920+00	2.4099-02	1.0635-02	3.0549-01	4.7432+05	6.2024-03	1.0510+00
406	609.72	7.2229+01	6.5491+00	2.1657-02	6.5491+00	2.1657-02	9.5570-03	2.7454-01	4.2626+05	5.5648-03	1.1670+00
407	596.39	6.7231+01	6.1583+00	2.0150-02	6.1583+00	2.0150-02	8.8918-03	2.5543-01	3.9658+05	5.1741-03	1.2830+00
408	548.23	4.9005+01	4.2108+00	1.3272-02	4.2108+00	1.3272-02	5.8567-03	1.6824-01	2.6122+05	3.4003-03	5.1300-01
409	467.01	1.0608+01	8.8135-01	2.6165-03	8.8135-01	2.6165-03	1.1546-03	3.3168-02	5.1498+04	6.6790-04	5.7000-01
410	543.05	4.3346+01	3.6454+00	1.1445-02	3.6454+00	1.1445-02	5.0504-03	1.4508-01	2.2525+05	2.9315-03	6.2800-01
411	474.25	1.3901+01	1.1605+00	3.4631-03	1.1605+00	3.4631-03	1.5282-03	4.3900-02	6.8160+04	8.8429-04	6.8600-01
412	562.76	5.8395+01	5.1228+00	1.6327-02	5.1228+00	1.6327-02	7.2048-03	2.0697-01	3.2134+05	4.1858-03	7.4400-01
413	477.20	1.7861+01	1.5029+00	4.4944-03	1.5029+00	4.4944-03	1.9833-03	5.6973-02	8.8458+04	1.1478-03	8.0100-01
414	609.65	7.5945+01	6.8447+00	2.2633-02	6.8447+00	2.2633-02	9.9879-03	2.8691-01	4.4547+05	5.8157-03	8.5900-01
415	484.50	2.2189+01	1.8650+00	5.6066-03	1.8650+00	5.6066-03	2.4741-03	7.1072-02	1.1035+05	1.4323-03	9.1700-01
416	554.81	4.5770+01	3.7330+00	1.1825-02	3.7330+00	1.1825-02	5.2183-03	1.4990-01	2.3274+05	3.0306-03	5.7000-01
417	622.85	7.9166+01	7.1874+00	2.4021-02	7.1874+00	2.4021-02	1.0600-02	3.0450-01	4.7278+05	6.1761-03	1.0520+00

41 1 11.99 -.01 .00 -.00 4C2 11 1.90 10.18 1640.5 1867.7

9.03735+01 3.36318-02 2.43970+00 4.74199+03 3.12227-05 7.32025-08 1.69683-01 7.72000+00 7.63548-06 7.40128-02

1	454.26	6.8010+00	1.1404+00	3.1429-03	1.1404+00	3.1429-03	6.5978-04	3.3204-02	5.8992+04	8.0684-04	4.1100-01
2	454.05	1.3708+01	2.2981+00	6.3328-03	2.2981+00	6.3328-03	1.3294-03	6.6904-02	1.1887+05	1.6257-03	7.1100-01
3	539.49	1.7498+02	3.0998+01	9.0555-02	3.0998+01	9.0555-02	1.9010-02	9.5667-01	1.6997+06	2.3339-02	1.3070+00
4	510.97	1.0636+02	1.8512+01	5.3013-02	1.8512+01	5.3013-02	1.1129-02	5.6006-01	9.9505+05	1.3645-02	1.6410+00
5	477.94	4.1525+01	7.4053+00	2.0735-02	7.4053+00	2.0735-02	4.3527-03	2.1905-01	3.8919+05	5.3286-03	1.7720+00
6	480.34	1.1846+01	1.9918+00	5.5860-03	1.9918+00	5.5860-03	1.1726-03	5.9014-02	1.0485+05	1.4357-03	2.4660+00
7	457.13	4.1860+00	6.9093-01	1.9079-03	6.9093-01	1.9079-03	4.0050-04	2.0156-02	3.5810+04	4.8984-04	3.0090+00
8	450.55	6.3569+00	1.0352+00	2.8461-03	1.0352+00	2.8461-03	5.9748-04	3.0068-02	5.3422+04	7.3053-04	3.3930+00
9	448.39	6.1714+00	1.0035+00	2.7551-03	1.0035+00	2.7551-03	5.7836-04	2.9106-02	5.1713+04	7.0709-04	3.7770+00
10	471.03	4.1351+00	6.8484-01	1.9086-03	6.8484-01	1.9086-03	4.0067-04	2.0164-02	3.5825+04	4.9035-04	5.3230+00
14	474.34	6.3843+01	1.0851+01	3.0308-02	1.0851+01	3.0308-02	6.3623-03	3.2019-01	5.6887+05	7.7876-03	1.0880+00
15	529.23	1.7735+02	3.1221+01	9.0551-02	3.1221+01	9.0551-02	1.9009-02	9.5663-01	1.6996+06	2.3327-02	1.3070+00
16	497.67	1.0266+02	1.7716+01	5.0272-02	1.7716+01	5.0272-02	1.0553-02	5.3110-01	9.4360+05	1.2931-02	1.6410+00
19	461.12	5.0514+00	7.7383-01	2.1424-03	7.7383-01	2.1424-03	4.4975-04	2.2634-02	4.0213+04	5.5017-04	4.1100-01
20	461.93	1.4418+01	2.3164+00	6.4168-03	2.3164+00	6.4168-03	1.3470-03	6.7790-02	1.2044+05	1.6479-03	7.1100-01
21	480.55	7.6431+01	1.2624+01	3.5409-02	1.2624+01	3.5409-02	7.4331-03	3.7408-01	6.6462+05	9.1009-03	1.0880+00
22	525.56	1.7396+02	2.9751+01	8.6065-02	2.9751+01	8.6065-02	1.8067-02	9.0924-01	1.6154+06	2.2167-02	1.3070+00
23	905.14	6.1818-02	1.2566-02	4.9635-05	1.2566-02	4.9635-05	1.0420-05	5.2437-04	9.3164+02	1.3055-05	1.6410+00
24	472.07	7.5184+00	1.2423+00	3.4647-03	1.2423+00	3.4647-03	7.2733-04	3.6603-02	6.5033+04	8.9017-04	3.0090+00
25	465.75	7.5792+00	1.2171+00	3.3801-03	1.2171+00	3.3801-03	7.0957-04	3.5709-02	6.3445+04	8.6819-04	3.3930+00
26	461.12	7.9356+00	1.2782+00	3.5388-03	1.2782+00	3.5388-03	7.4288-04	3.7386-02	6.6423+04	9.0875-04	3.7770+00
27	461.68	1.4471+01	2.3247+00	6.4385-03	2.3247+00	6.4385-03	1.3516-03	6.8019-02	1.2085+05	1.6534-03	7.1100-01
28	482.58	8.0650+01	1.3339+01	3.7465-02	1.3339+01	3.7465-02	7.8648-03	3.9580-01	7.0322+05	9.6303-03	1.0880+00
29	546.11	1.7235+02	3.0119+01	8.8399-02	3.0119+01	8.8399-02	1.8557-02	9.3390-01	1.6592+06	2.2791-02	1.3070+00
30	496.25	1.0005+02	1.6998+01	4.8189-02	1.6998+01	4.8189-02	1.0116-02	5.0910-01	9.0451+05	1.2395-02	1.6410+00
31	471.93	4.3227+01	7.3350+00	2.0455-02	7.3350+00	2.0455-02	4.2940-03	2.1610-01	3.8394+05	5.2553-03	1.7720+00
32	484.73	1.4555+01	2.4544+00	6.9038-03	2.4544+00	6.9038-03	1.4493-03	7.2935-02	1.2958+05	1.7748-03	2.4660+00
33	466.11	5.6000+00	9.3549-01	2.5986-03	9.3549-01	2.5986-03	5.4551-04	2.7453-02	4.8776+04	6.6747-04	3.0090+00
34	458.74	6.8332+00	1.1190+00	3.0933-03	1.1190+00	3.0933-03	6.4935-04	3.2679-02	5.8060+04	7.9425-04	3.3930+00
35	454.91	5.8442+00	9.1445-01	2.5213-03	9.1445-01	2.5213-03	5.2929-04	2.6637-02	4.7325+04	6.4728-04	3.7770+00
36	554.92	1.8113+02	3.1442+01	9.2862-02	3.1442+01	9.2862-02	1.9494-02	9.8104-01	1.7430+06	2.3951-02	1.3070+00
37	488.76	2.2555+01	3.8586+00	1.0883-02	3.8586+00	1.0883-02	2.2846-03	1.1498-01	2.0428+05	2.7983-03	2.4660+00
38	462.56	5.4390+00	8.9301-01	2.4748-03	8.9301-01	2.4748-03	5.1951-04	2.6145-02	4.6451+04	6.3555-04	3.0090+00
39	454.42	7.6042+00	1.2342+00	3.4018-03	1.2342+00	3.4018-03	7.1412-04	3.5938-02	6.3851+04	8.7330-04	3.3930+00
40	452.63	6.9522+00	1.1168+00	3.0745-03	1.1168+00	3.0745-03	6.4542-04	3.2481-02	5.7708+04	7.8922-04	3.7770+00
41	457.25	6.1771+00	9.7416-01	2.6901-03	9.7416-01	2.6901-03	5.6472-04	2.8420-02	5.0493+04	6.9069-04	4.1620+00
43	472.43	5.1153+00	8.5813-01	2.3938-03	8.5813-01	2.3938-03	5.0253-04	2.5290-02	4.4932+04	6.1505-04	5.3230+00
47	463.56	1.5667+01	2.5431+00	7.0524-03	2.5431+00	7.0524-03	1.4805-03	7.4505-02	1.3237+05	1.8112-03	7.1100-01
48	496.71	8.7243+01	1.4738+01	4.1795-02	1.4738+01	4.1795-02	8.7739-03	4.4155-01	7.8450+05	1.0750-02	1.0880+00
49	530.00	1.6942+02	2.9404+01	8.5326-02	2.9404+01	8.5326-02	1.7912-02	9.0143-01	1.6016+06	2.1982-02	1.3070+00
50	508.06	9.6437+01	1.6606+01	4.7461-02	1.6606+01	4.7461-02	9.9631-03	5.0140-01	8.9083+05	1.2214-02	1.6410+00
51	479.67	4.3272+01	7.3804+00	2.0689-02	7.3804+00	2.0689-02	4.3431-03	2.1857-01	3.8833+05	5.3173-03	1.7720+00
52	479.17	4.4956+00	7.6651-01	2.1480-03	7.6651-01	2.1480-03	4.5091-04	2.2692-02	4.0317+04	5.5205-04	2.4660+00
53	463.25	1.0493+01	1.7236+00	4.7788-03	1.7236+00	4.7788-03	1.0032-03	5.0486-02	8.9698+04	1.2273-03	3.0090+00
54	454.61	8.3657+00	1.3498+00	3.7208-03	1.3498+00	3.7208-03	7.8109-04	3.9309-02	6.9839+04	9.5521-04	3.3930+00
55	453.32	7.3896+00	1.1695+00	3.2211-03	1.1695+00	3.2211-03	6.7619-04	3.4030-02	6.0460+04	8.2688-04	3.7770+00
56	462.19	3.8655+00	5.9830-01	1.6576-03	5.9830-01	1.6576-03	3.4798-04	1.7512-02	3.1114+04	4.2569-04	4.1100-01
57	463.75	1.5694+01	2.5324+00	7.0234-03	2.5324+00	7.0234-03	1.4744-03	7.4199-02	1.3183+05	1.8038-03	7.1100-01
58	498.30	8.8386+01	1.4947+01	4.2433-02	1.4947+01	4.2433-02	8.9077-03	4.4828-01	7.9646+05	1.0915-02	1.0880+00
59	547.84	1.6304+02	2.8521+01	8.3810-02	2.8521+01	8.3810-02	1.7594-02	8.8541-01	1.5731+06	2.1609-02	1.3070+00
60	510.37	9.9205+01	1.7007+01	4.8683-02	1.7007+01	4.8683-02	1.0220-02	5.1432-01	9.1378+05	1.2530-02	1.6410+00
61	459.72	5.3553+00	8.7496-01	2.4201-03	8.7496-01	2.4201-03	5.0805-04	2.5568-02	4.5426+04	6.2144-04	3.0090+00
62	450.79	5.8130+00	9.3544-01	2.5722-03	9.3544-01	2.5722-03	5.3997-04	2.7174-02	4.8280+04	6.6022-04	3.3930+00
63	452.21	5.2655+00	8.3269-01	2.2918-03	8.3269-01	2.2918-03	4.8111-04	2.4212-02	4.3017+04	5.8829-04	3.7770+00
64	494.14	8.7582+01	1.5080+01	4.2689-02	1.5080+01	4.2689-02	8.9614-03	4.5098-01	8.0126+05	1.0979-02	1.0880+00
65	543.68	1.6424+02	2.9170+01	8.5467-02	2.9170+01	8.5467-02	1.7942-02	9.0292-01	1.6042+06	2.2032-02	1.3070+00
66	508.31	9.9480+01	1.7285+01	4.9408-02	1.7285+01	4.9408-02	1.0372-02	5.2197-01	9.2738+05	1.2715-02	1.6410+00
69	456.33	5.6036+00	9.4094-01	2.5968-03	9.4094-01	2.5968-03	5.4513-04	2.7434-02	4.8742+04	6.6671-04	4.1100-01
70	459.05	1.4864+01	2.5006+00	6.9136-03	2.5006+00	6.9136-03	1.4513-03	7.3039-02	1.2977+05	1.7752-03	7.1100-01
71	549.59	1.6147+02	2.8697+01	8.4432-02	2.8697+01	8.4432-02	1.7724-02	8.9199-01	1.5848+06	2.1772-02	1.3070+00
72	513.43	1.0003+02	1.7437+01	5.0018-02	1.7437+01	5.0018-02	1.0500-02	5.2842-01	9.3884+05	1.2876-02	1.6410+00
73	460.62	7.6514+00	1.2396+00	3.4307-03	1.2396+00	3.4307-03	7.2018-04	3.6244-02	6.4393+04	8.8096-04	3.7770+00
74	480.10	5.7969+00	9.6586-01	2.7083-03	9.6586-01	2.7083-03	5.6854-04	2.8612-02	5.0835+04	6.9609-04	5.3230+00
77	456.13	8.2021+00	1.3650+00	3.7666-03	1.3650+00	3.7666-03	7.9070-04	3.9793-02	7.0699+04	9.6703-04	3.0090+00
78	451.32	8.4187+00	1.3800+00	3.7958-03	1.3800+00	3.7958-03	7.9684-04	4.0101-02	7.1247+04	9.7432-04	3.3930+00
79	452.34	8.0083+00	1.2901+00	3.5510-03	1.2901+00	3.5510-03	7.4544-04	3.7514-02	6.6652+04	9.1151-04	3.7770+00
80	480.38	1.2970+01	2.2196+00	6.2251-03	2.2196+00	6.2251-03	1.3068-03	6.5766-02	1.1684+05	1.6000-03	2.4660+00
81	456.20	6.8244+00	1.1358+00	3.1343-03	1.1358+00	3.1343-03	6.5796-04	3.3112-02	5.8830+04	8.0468-04	3.0090+00
82	451.20	7.8332+00	1.2877+00	3.5419-03	1.2877+00	3.5419-03	7.4352-04	3.7418-02	6.6480+04	9.0913-04	3.3930+00
83	449.09	6.0909+00	9.9093-01	2.7217-03	9.9093-01	2.7217-03	5.7136-04	2.8754-02	5.1086+04	6.9855-04	3.7770+00
337	515.92	3.2931+01	6.3041+00	1.8115-02	6.3041+00	1.8115-02	3.8028-03	1.9138-01	3.4002+05	4.6637-03	7.1680+00
339	498.12	1.5225+01	2.9433+00	8.3548-03	2.9433+00	8.3548-03	1.7539-03	8.8264-02	1.5682+05	2.1491-03	8.1130+00
340	482.80	4.0758+00	7.6382-01	2.1457-03	7.6382-01	2.1457-03	4.5043-04	2.2668-02	4.0274+04	5.5155-04	8.6180+00
342	514.25	3.3930+01	6.6963+00	1.9220-02	6.6963+00	1.9220-02	4.0347-03	2.0305-01	3.6075+05	4.9477-03	7.1680+00
344	497.57	1.7049+01	3.3119+00	9.3976-03	3.3119+00	9.3976-03	1.9728-03	9.9282-02	1.7639+05	2.4173-03	8.1130+00
347	508.97	2.8744+01	5.4785+00	1.5667-02	5.4785+00	1.5667-02	3.2889-03	1.6552-01	2.9407+05	4.0322-03	7.1680+00
349	495.41	1.8977+01	3.6717+00	1.0403-02	3.6717+00	1.0403-02	2.1839-03	1.0990-01	1.9527+05	2.6757-03	8.1130+00
350	480.28	4.6483+00	8.2096-01	2.3023-03	8.2096-01	2.3023-03	4.8330-04	2.4322-02	4.3213+04	5.9173-04	8.6180+00
352	516.28	3.8492+01	7.1934+00	2.0676-02	7.1934+00	2.0676-02	4.3403-03	2.1843-01	3.8808+05	5.3230-03	7.1680+00
354	500.42	2.1152+01	4.0950+00	1.1642-02	4.0950+00	1.1642-02	2.4440-03	1.2299-01	2.1852+05	2.9951-03	8.1130+00
357	515.68	3.6445+01	6.7897+00	1.9507-02	6.7897+00	1.9507-02	4.0950-03	2.0608-01	3.6615+05	5.0220-03	7.1680+00
359	503.35	2.4435+01	4.4302+00	1.2621-02	4.4302+00	1.2621-02	2.6494-03	1.3333-01	2.3689+05	3.2472-03	8.1130+00
401	465.43	1.2488+01	1.0426+00	2.8949-03	1.0426+00	2.8949-03	6.0771-04	3.0583-02	5.4337+04	7.4354-04	4.5500-01
403	473.00	1.8774+01	1.5566+00	4.3441-03	1.5566+00	4.3441-03	9.1193-04	4.5893-02	8.1538+04	1.1161-03	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.2802-06	-5.6975-03	-4.2802-06	-8.9851-07	-4.5218-05	-8.0338+01	-9.4568-07	8.0100-01
405	511.69	6.8859+01	5.8548+00	1.6775-02	5.8548+00	1.6775-02	3.5214-03	1.7722-01	3.1486+05	4.3178-03	1.0510+00
406	524.18	1.1230+02	9.6814+00	2.7980-02	9.6814+00	2.7980-02	5.8737-03	2.9560-01	5.2518+05	7.2062-03	1.1670+00
407	579.75	1.9718+02	1.7890+01	5.3790-02	1.7890+01	5.3790-02	1.1292-02	5.6827-01	1.0096+06	1.3891-02	1.2830+00
408	468.91	1.6367+01	1.3372+00	3.7214-03	1.3372+00	3.7214-03	7.8122-04	3.9315-02	6.9851+04	9.5598-04	5.1300-01
409	467.83	1.9100+01	1.5877+00	4.4155-03	1.5877+00	4.4155-03	9.2691-04	4.6647-02	8.2878+04	1.1342-03	5.7000-01
410	471.31	2.0983+01	1.6859+00	4.6993-03	1.6859+00	4.6993-03	9.8650-04	4.9646-02	8.8206+04	1.2073-03	6.2800-01
411	474.54	2.5695+01	2.1455+00	5.9935-03	2.1455+00	5.9935-03	1.2582-03	6.3319-02	1.1250+05	1.5401-03	6.8600-01
412	480.47	2.1710+01	1.8091+00	5.0740-03	1.8091+00	5.0740-03	1.0652-03	5.3604-02	9.5238+04	1.3041-03	7.4400-01
413	481.93	3.5982+01	3.0371+00	8.5267-03	3.0371+00	8.5267-03	1.7900-03	9.0081-02	1.6005+05	2.1917-03	8.0100-01
414	485.64	3.8681+01	3.2341+00	9.1027-03	3.2341+00	9.1027-03	1.9109-03	9.6166-02	1.7086+05	2.3402-03	8.5900-01
415	494.17	4.7960+01	4.0565+00	1.1484-02	4.0565+00	1.1484-02	2.4107-03	1.2132-01	2.1555+05	2.9534-03	9.1700-01
416	475.00	2.0063+01	1.5561+00	4.3484-03	1.5561+00	4.3484-03	9.1283-04	4.5939-02	8.1619+04	1.1174-03	5.7000-01
417	507.74	6.8738+01	5.8298+00	1.6658-02	5.8298+00	1.6658-02	3.4969-03	1.7598-01	3.1267+05	4.2869-03	1.0520+00

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41 1 11.98 -.02 .00 -.00 4C2 11 2.15 10.18 1640.5 1868.7

9.04286+01 3.36281-02 2.43943+00 4.74344+03 3.12003-05 7.32471-08 1.69509-01 7.72000+00 7.64071-06 7.40072-02

1	456.06	7.1179+00	1.1950+00	3.2956-03	1.1950+00	3.2956-03	6.9211-04	3.4816-02	6.1815+04	8.4593-04	4.1100-01
2	457.40	1.4050+01	2.3609+00	6.5167-03	2.3609+00	6.5167-03	1.3686-03	6.8846-02	1.2223+05	1.6728-03	7.1100-01
3	582.53	1.6723+02	3.0394+01	9.1518-02	3.0394+01	9.1518-02	1.9220-02	9.6685-01	1.7166+06	2.3631-02	1.3070+00
4	537.28	1.0363+02	1.8334+01	5.3444-02	1.8334+01	5.3444-02	1.1224-02	5.6461-01	1.0024+06	1.3770-02	1.6410+00
5	488.56	4.2871+01	7.6989+00	2.1700-02	7.6989+00	2.1700-02	4.5573-03	2.2925-01	4.0703+05	5.5784-03	1.7720+00
6	483.43	1.2874+01	2.1690+00	6.0923-03	2.1690+00	6.0923-03	1.2794-03	6.4362-02	1.1427+05	1.5658-03	2.4660+00
7	458.25	4.4681+00	7.3865-01	2.0384-03	7.3865-01	2.0384-03	4.2868-04	2.1534-02	3.8234+04	5.2327-04	3.0090+00
8	452.05	6.1460+00	1.0019+00	2.7558-03	1.0019+00	2.7558-03	5.7875-04	2.9114-02	5.1690+04	7.0724-04	3.3930+00
9	449.92	5.8764+00	9.5657-01	2.6274-03	9.5657-01	2.6274-03	5.5178-04	2.7757-02	4.9282+04	6.7422-04	3.7770+00
10	472.06	4.0270+00	6.6740-01	1.8603-03	6.6740-01	1.8603-03	3.9069-04	1.9653-02	3.4894+04	4.7786-04	5.3230+00
14	490.64	6.6669+01	1.1453+01	3.2326-02	1.1453+01	3.2326-02	6.7889-03	3.4151-01	6.0635+05	8.3109-03	1.0880+00
15	572.87	1.6930+02	3.0597+01	9.1486-02	3.0597+01	9.1486-02	1.9213-02	9.6650-01	1.7160+06	2.3612-02	1.3070+00
16	522.97	9.9774+01	1.7497+01	5.0495-02	1.7497+01	5.0495-02	1.0605-02	5.3346-01	9.4714+05	1.3001-02	1.6410+00
19	462.44	5.2649+00	8.0726-01	2.2357-03	8.0726-01	2.2357-03	4.6953-04	2.3619-02	4.1936+04	5.7404-04	4.1100-01
20	465.41	1.4618+01	2.3542+00	6.5329-03	2.3542+00	6.5329-03	1.3720-03	6.9017-02	1.2254+05	1.6776-03	7.1100-01
21	500.21	8.0215+01	1.3419+01	3.8125-02	1.3419+01	3.8125-02	8.0068-03	4.0278-01	7.1512+05	9.8061-03	1.0880+00
22	568.29	1.6590+02	2.9115+01	8.6767-02	2.9115+01	8.6767-02	1.8222-02	9.1665-01	1.6275+06	2.2389-02	1.3070+00
23	905.14	4.8312-02	9.8207-03	3.8761-05	9.8207-03	3.8761-05	8.1402-06	4.0949-04	7.2704+02	1.0192-05	1.6410+00
24	473.98	7.6805+00	1.2707+00	3.5465-03	1.2707+00	3.5465-03	7.4481-04	3.7467-02	6.6522+04	9.1109-04	3.0090+00
25	467.69	7.7870+00	1.2521+00	3.4800-03	1.2521+00	3.4800-03	7.3083-04	3.6764-02	6.5274+04	8.9373-04	3.3930+00
26	463.15	8.0353+00	1.2960+00	3.5911-03	1.2960+00	3.5911-03	7.5418-04	3.7939-02	6.7359+04	9.2209-04	3.7770+00
27	465.17	1.4528+01	2.3393+00	6.4907-03	2.3393+00	6.4907-03	1.3631-03	6.8571-02	1.2175+05	1.6668-03	7.1100-01
28	503.54	8.5060+01	1.4260+01	4.0607-02	1.4260+01	4.0607-02	8.5280-03	4.2900-01	7.6167+05	1.0446-02	1.0880+00
29	587.66	1.6341+02	2.9264+01	8.8446-02	2.9264+01	8.8446-02	1.8575-02	9.3439-01	1.6590+06	2.2844-02	1.3070+00
30	520.81	9.6923+01	1.6725+01	4.8197-02	1.6725+01	4.8197-02	1.0122-02	5.0918-01	9.0404+05	1.2409-02	1.6410+00
31	483.06	4.4660+01	7.6342+00	2.1438-02	7.6342+00	2.1438-02	4.5021-03	2.2648-01	4.0211+05	5.5095-03	1.7720+00
32	488.46	1.5474+01	2.6157+00	7.3721-03	2.6157+00	7.3721-03	1.5482-03	7.7883-02	1.3828+05	1.8951-03	2.4660+00
33	467.47	5.6120+00	9.3833-01	2.6075-03	9.3833-01	2.6075-03	5.4760-04	2.7547-02	4.8909+04	6.6965-04	3.0090+00
34	460.41	6.7164+00	1.1011+00	3.0455-03	1.1011+00	3.0455-03	6.3960-04	3.2175-02	5.7125+04	7.8190-04	3.3930+00
35	456.37	5.8119+00	9.1031-01	2.5110-03	9.1031-01	2.5110-03	5.2733-04	2.6527-02	4.7098+04	6.4454-04	3.7770+00
36	599.02	1.7258+02	3.0738+01	9.3679-02	3.0738+01	9.3679-02	1.9674-02	9.8967-01	1.7571+06	2.4209-02	1.3070+00
37	494.57	2.3009+01	3.9512+00	1.1182-02	3.9512+00	1.1182-02	2.3484-03	1.1814-01	2.0975+05	2.8754-03	2.4660+00
38	463.92	5.5761+00	9.1636-01	2.5404-03	9.1636-01	2.5404-03	5.3351-04	2.6838-02	4.7650+04	6.5232-04	3.0090+00
39	456.44	7.8639+00	1.2761+00	3.5256-03	1.2761+00	3.5256-03	7.4042-04	3.7247-02	6.6130+04	9.0499-04	3.3930+00
40	454.40	7.1683+00	1.1529+00	3.1759-03	1.1529+00	3.1759-03	6.6698-04	3.3552-02	5.9571+04	8.1516-04	3.7770+00
41	458.83	6.2255+00	9.8282-01	2.7154-03	9.8282-01	2.7154-03	5.7027-04	2.8687-02	5.0933+04	6.9710-04	4.1620+00
43	473.69	5.0634+00	8.5013-01	2.3723-03	8.5013-01	2.3723-03	4.9820-04	2.5062-02	4.4496+04	6.0941-04	5.3230+00
47	467.60	1.6025+01	2.6083+00	7.2487-03	2.6083+00	7.2487-03	1.5223-03	7.6579-02	1.3596+05	1.8616-03	7.1100-01
48	520.19	9.1621+01	1.5711+01	4.5253-02	1.5711+01	4.5253-02	9.5038-03	4.7808-01	8.4882+05	1.1650-02	1.0880+00
49	571.58	1.6157+02	2.8752+01	8.5889-02	2.8752+01	8.5889-02	1.8038-02	9.0738-01	1.6110+06	2.2166-02	1.3070+00
50	531.64	9.3320+01	1.6309+01	4.7353-02	1.6309+01	4.7353-02	9.9447-03	5.0026-01	8.8820+05	1.2197-02	1.6410+00
51	490.76	4.4599+01	7.6622+00	2.1629-02	7.6622+00	2.1629-02	4.5423-03	2.2850-01	4.0569+05	5.5606-03	1.7720+00
52	480.24	4.3720+00	7.4596-01	2.0907-03	7.4596-01	2.0907-03	4.3908-04	2.2088-02	3.9216+04	5.3726-04	2.4660+00
53	465.92	1.0846+01	1.7848+00	4.9544-03	1.7848+00	4.9544-03	1.0405-03	5.2341-02	9.2930+04	1.2723-03	3.0090+00
54	456.74	8.5668+00	1.3842+00	3.8191-03	1.3842+00	3.8191-03	8.0206-04	4.0347-02	7.1635+04	9.8034-04	3.3930+00
55	455.17	7.5605+00	1.1981+00	3.3021-03	1.1981+00	3.3021-03	6.9347-04	3.4885-02	6.1937+04	8.4756-04	3.7770+00
56	463.19	3.9948+00	6.1873-01	1.7145-03	6.1873-01	1.7145-03	3.6006-04	1.8113-02	3.2158+04	4.4022-04	4.1100-01
57	467.91	1.6534+01	2.6753+00	7.4364-03	2.6753+00	7.4364-03	1.5617-03	7.8562-02	1.3948+05	1.9098-03	7.1100-01
58	521.96	9.2647+01	1.5904+01	4.5867-02	1.5904+01	4.5867-02	9.6327-03	4.8457-01	8.6033+05	1.1809-02	1.0880+00
59	587.16	1.5487+02	2.7727+01	8.3770-02	2.7727+01	8.3770-02	1.7593-02	8.8499-01	1.5713+06	2.1636-02	1.3070+00
60	534.67	9.6201+01	1.6744+01	4.8721-02	1.6744+01	4.8721-02	1.0232-02	5.1471-01	9.1386+05	1.2552-02	1.6410+00
61	460.99	5.2748+00	8.6254-01	2.3865-03	8.6254-01	2.3865-03	5.0120-04	2.5213-02	4.4764+04	6.1272-04	3.0090+00
62	452.17	5.7132+00	9.2026-01	2.5314-03	9.2026-01	2.5314-03	5.3162-04	2.6743-02	4.7482+04	6.4966-04	3.3930+00
63	453.44	5.3226+00	8.4243-01	2.3192-03	8.4243-01	2.3192-03	4.8707-04	2.4502-02	4.3502+04	5.9525-04	3.7770+00
64	517.56	9.2143+01	1.6104+01	4.6301-02	1.6104+01	4.6301-02	9.7238-03	4.8915-01	8.6848+05	1.1919-02	1.0880+00
65	583.31	1.5621+02	2.8404+01	8.5576-02	2.8404+01	8.5576-02	1.7972-02	9.0407-01	1.6051+06	2.2098-02	1.3070+00
66	532.64	9.6433+01	1.7012+01	4.9430-02	1.7012+01	4.9430-02	1.0381-02	5.2221-01	9.2717+05	1.2733-02	1.6410+00
69	457.77	5.7231+00	9.6194-01	2.6559-03	9.6194-01	2.6559-03	5.5777-04	2.8058-02	4.9816+04	6.8178-04	4.1100-01
70	462.92	1.5441+01	2.6044+00	7.2152-03	2.6044+00	7.2152-03	1.5153-03	7.6226-02	1.3534+05	1.8526-03	7.1100-01
71	588.35	1.5314+02	2.7844+01	8.4197-02	2.7844+01	8.4197-02	1.7682-02	8.8951-01	1.5793+06	2.1747-02	1.3070+00
72	537.63	9.5933+01	1.6976+01	4.9498-02	1.6976+01	4.9498-02	1.0395-02	5.2293-01	9.2844+05	1.2754-02	1.6410+00
73	462.39	7.1216+00	1.1551+00	3.1990-03	1.1551+00	3.1990-03	6.7182-04	3.3796-02	6.0003+04	8.2136-04	3.7770+00
74	481.25	4.8743+00	8.1275-01	2.2795-03	8.1275-01	2.2795-03	4.7872-04	2.4082-02	4.2757+04	5.8579-04	5.3230+00
77	458.22	8.3808+00	1.3967+00	3.8574-03	1.3967+00	3.8574-03	8.1009-04	4.0751-02	7.2353+04	9.9023-04	3.0090+00
78	453.42	8.5533+00	1.4040+00	3.8653-03	1.4040+00	3.8653-03	8.1176-04	4.0835-02	7.2502+04	9.9205-04	3.3930+00
79	454.31	8.1449+00	1.3139+00	3.6192-03	1.3139+00	3.6192-03	7.6008-04	3.8236-02	6.7886+04	9.2893-04	3.7770+00
80	483.75	1.3837+01	2.3733+00	6.6677-03	2.3733+00	6.6677-03	1.4003-03	7.0441-02	1.2507+05	1.7137-03	2.4660+00
81	457.95	7.0727+00	1.1785+00	3.2542-03	1.1785+00	3.2542-03	6.8342-04	3.4379-02	6.1039+04	8.3537-04	3.0090+00
82	453.08	7.7096+00	1.2690+00	3.4929-03	1.2690+00	3.4929-03	7.3354-04	3.6901-02	6.5516+04	8.9645-04	3.3930+00
83	450.60	5.8197+00	9.4779-01	2.6044-03	9.4779-01	2.6044-03	5.4696-04	2.7515-02	4.8851+04	6.6835-04	3.7770+00
337	524.06	3.2440+01	6.2419+00	1.8028-02	6.2419+00	1.8028-02	3.7861-03	1.9046-01	3.3815+05	4.6421-03	7.1680+00
339	501.99	1.5537+01	3.0109+00	8.5647-03	3.0109+00	8.5647-03	1.7987-03	9.0482-02	1.6065+05	2.2031-03	8.1130+00
340	483.81	4.0987+00	7.6862-01	2.1595-03	7.6862-01	2.1595-03	4.5351-04	2.2814-02	4.0505+04	5.5500-04	8.6180+00
342	522.66	3.3474+01	6.6412+00	1.9162-02	6.6412+00	1.9162-02	4.0243-03	2.0244-01	3.5943+05	4.9338-03	7.1680+00
344	501.80	1.6961+01	3.3037+00	9.3961-03	3.3037+00	9.3961-03	1.9733-03	9.9266-02	1.7624+05	2.4169-03	8.1130+00
347	515.77	2.7559+01	5.2829+00	1.5171-02	5.2829+00	1.5171-02	3.1860-03	1.6027-01	2.8456+05	3.9048-03	7.1680+00
349	499.90	1.8159+01	3.5237+00	1.0009-02	3.5237+00	1.0009-02	2.1020-03	1.0574-01	1.8774+05	2.5743-03	8.1130+00
350	481.41	4.5330+00	8.0119-01	2.2473-03	8.0119-01	2.2473-03	4.7196-04	2.3742-02	4.2153+04	5.7752-04	8.6180+00
352	524.73	3.4196+01	6.4245+00	1.8564-02	6.4245+00	1.8564-02	3.8987-03	1.9612-01	3.4821+05	4.7803-03	7.1680+00
354	504.92	1.7944+01	3.4841+00	9.9305-03	3.4841+00	9.9305-03	2.0855-03	1.0491-01	1.8627+05	2.5547-03	8.1130+00
357	523.47	3.1379+01	5.8746+00	1.6960-02	5.8746+00	1.6960-02	3.5618-03	1.7917-01	3.1812+05	4.3669-03	7.1680+00
359	508.56	1.9995+01	3.6373+00	1.0393-02	3.6373+00	1.0393-02	2.1827-03	1.0980-01	1.9494+05	2.6742-03	8.1130+00
401	468.57	1.2516+01	1.0471+00	2.9119-03	1.0471+00	2.9119-03	6.1153-04	3.0763-02	5.4618+04	7.4787-04	4.5500-01
403	477.79	1.9154+01	1.5932+00	4.4581-03	1.5932+00	4.4581-03	9.3625-04	4.7098-02	8.3621+04	1.1455-03	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0070-10	-4.0033-07	-3.0070-10	-6.3150-11	-3.1767-09	-5.6402-03	-6.6435-11	8.0100-01
405	529.29	7.0424+01	6.0541+00	1.7550-02	6.0541+00	1.7550-02	3.6856-03	1.8540-01	3.2918+05	4.5200-03	1.0510+00
406	553.46	1.1770+02	1.0330+01	3.0459-02	1.0330+01	3.0459-02	6.3966-03	3.2178-01	5.7131+05	7.8538-03	1.1670+00
407	629.52	1.9195+02	1.7909+01	5.5840-02	1.7909+01	5.5840-02	1.1727-02	5.8993-01	1.0474+06	1.4453-02	1.2830+00
408	473.08	1.6717+01	1.3696+00	3.8203-03	1.3696+00	3.8203-03	8.0232-04	4.0360-02	7.1658+04	9.8139-04	5.1300-01
409	472.67	1.9341+01	1.6129+00	4.4977-03	1.6129+00	4.4977-03	9.4457-04	4.7516-02	8.4364+04	1.1554-03	5.7000-01
410	476.63	2.1274+01	1.7153+00	4.7960-03	1.7153+00	4.7960-03	1.0072-03	5.0667-02	8.9958+04	1.2322-03	6.2800-01
411	481.14	2.6186+01	2.1961+00	6.1588-03	2.1961+00	6.1588-03	1.2934-03	6.5065-02	1.1552+05	1.5827-03	6.8600-01
412	486.07	2.2291+01	1.8643+00	5.2460-03	1.8643+00	5.2460-03	1.1017-03	5.5421-02	9.8399+04	1.3484-03	7.4400-01
413	491.08	3.6424+01	3.0929+00	8.7326-03	3.0929+00	8.7326-03	1.8339-03	9.2256-02	1.6380+05	2.2451-03	8.0100-01
414	495.34	3.9115+01	3.2912+00	9.3193-03	3.2912+00	9.3193-03	1.9572-03	9.8454-02	1.7480+05	2.3964-03	8.5900-01
415	506.24	4.8288+01	4.1160+00	1.1742-02	4.1160+00	1.1742-02	2.4660-03	1.2405-01	2.2025+05	3.0210-03	9.1700-01
416	480.10	2.0341+01	1.5830+00	4.4363-03	1.5830+00	4.4363-03	9.3167-04	4.6867-02	8.3212+04	1.1400-03	5.7000-01
417	525.31	7.1455+01	6.1276+00	1.7713-02	6.1276+00	1.7713-02	3.7200-03	1.8713-01	3.3225+05	4.5613-03	1.0520+00

[redacted]

41 1 11.99 -.01 .00 -.00 402 11 2.40 10.18 1640.5 1868.0

9.03918+01 3.36306-02 2.43961+00 4.74248+03 3.12152-05 7.32174-08 1.69625-01 7.72000+00 7.63722-06 7.40109-02

1	457.84	7.1174+00	1.1963+00	3.3036-03	1.1963+00	3.3036-03	6.9361-04	3.4902-02	6.1995+04	8.4837-04	4.1100-01
2	461.06	1.4541+01	2.4495+00	6.7788-03	2.4495+00	6.7768-03	1.4232-03	7.1615-02	1.2721+05	1.7410-03	7.1100-01
3	623.04	1.5978+02	2.9711+01	9.2198-02	2.9711+01	9.2198-02	1.9357-02	9.7403-01	1.7302+06	2.3865-02	1.3070+00
4	562.81	1.0080+02	1.8110+01	5.3766-02	1.8110+01	5.3766-02	1.1288-02	5.6801-01	1.0090+06	1.3875-02	1.6410+00
5	499.47	4.3820+01	7.9251+00	2.2507-02	7.9251+00	2.2507-02	4.7255-03	2.3778-01	4.2236+05	5.7909-03	1.7720+00
6	486.80	1.3872+01	2.3423+00	6.5950-03	2.3423+00	6.5950-03	1.3846-03	6.9673-02	1.2376+05	1.6958-03	2.4660+00
7	459.38	4.6036+00	7.6103-01	2.1037-03	7.6103-01	2.1037-03	4.4168-04	2.2225-02	3.9477+04	5.4027-04	3.0090+00
8	453.56	6.2878+00	1.0261+00	2.8255-03	1.0261+00	2.8255-03	5.9322-04	2.9850-02	5.3022+04	7.2544-04	3.3930+00
9	451.34	5.6540+00	9.2127-01	2.5331-03	9.2127-01	2.5331-03	5.3184-04	2.6761-02	4.7535+04	6.5031-04	3.7770+00
10	473.06	4.0353+00	6.6923-01	1.8669-03	6.6923-01	1.8669-03	3.9196-04	1.9723-02	3.5034+04	4.7975-04	5.3230+00
14	507.93	6.7983+01	1.1809+01	3.3734-02	1.1809+01	3.3734-02	7.0825-03	3.5638-01	6.3303+05	8.6828-03	1.6880+00
15	613.87	1.6157+02	2.9891+01	9.2122-02	2.9891+01	9.2122-02	1.9341-02	9.7322-01	1.7287+06	2.3834-02	1.3070+00
16	547.56	9.7277+01	1.7318+01	5.0859-02	1.7318+01	5.0859-02	1.0678-02	5.3730-01	9.5439+05	1.3115-02	1.6410+00
19	463.76	5.2805+00	8.1037-01	2.2466-03	8.1037-01	2.2466-03	4.7169-04	2.3735-02	4.2159+04	5.7709-04	4.1100-01
20	469.21	1.5086+01	2.4357+00	6.7771-03	2.4357+00	6.7771-03	1.4229-03	7.1597-02	1.2718+05	1.7413-03	7.1100-01
21	521.04	8.2198+01	1.3934+01	4.0165-02	1.3934+01	4.0165-02	8.4329-03	4.2433-01	7.5373+05	1.0345-02	1.0880+00
22	608.45	1.5838+02	2.8444+01	8.7310-02	2.8444+01	8.7310-02	1.8331-02	9.2239-01	1.6384+06	2.2583-02	1.3070+00
23	905.15	4.7793-02	9.7151-03	3.8352-05	9.7151-03	3.8352-05	8.0521-06	4.0517-04	7.1970+02	1.0090-05	1.6410+00
24	475.92	7.8847+00	1.3062+00	3.6508-03	1.3062+00	3.6508-03	7.6649-04	3.8569-02	6.8509+04	9.3828-04	3.0090+00
25	469.66	7.7860+00	1.2536+00	3.4892-03	1.2536+00	3.4892-03	7.3256-04	3.6861-02	6.5476+04	8.9650-04	3.3930+00
26	465.16	7.9974+00	1.2917+00	3.5843-03	1.2917+00	3.5843-03	7.5253-04	3.7866-02	6.7261+04	9.2075-04	3.7770+00
27	468.91	1.4739+01	2.3792+00	6.6188-03	2.3792+00	6.6188-03	1.3896-03	6.9925-02	1.2421+05	1.7006-03	7.1100-01
28	525.70	8.6707+01	1.4741+01	4.2630-02	1.4741+01	4.2630-02	8.9503-03	4.5036-01	7.9997+05	1.0982-02	1.0880+00
29	627.56	1.5667+02	2.8692+01	8.9342-02	2.8692+01	8.9342-02	1.8758-02	9.4386-01	1.6766+06	2.3131-02	1.3070+00
30	544.64	9.4392+01	1.6530+01	4.8443-02	1.6530+01	4.8443-02	1.0171-02	5.1178-01	9.0906+05	1.2491-02	1.6410+00
31	494.38	4.5422+01	7.8219+00	2.2137-02	7.8219+00	2.2137-02	4.6478-03	2.3387-01	4.1542+05	5.6944-03	1.7720+00
32	492.48	1.6319+01	2.7658+00	7.8175-03	2.7658+00	7.8175-03	1.6413-03	8.2588-02	1.4670+05	2.0107-03	2.4660+00
33	468.89	5.7927+00	9.6949-01	2.6970-03	9.6949-01	2.6970-03	5.6624-04	2.8492-02	5.0610+04	6.9293-04	3.0090+00
34	462.08	6.7143+00	1.1020+00	3.0518-03	1.1020+00	3.0518-03	6.4074-04	3.2241-02	5.7269+04	7.8385-04	3.3930+00
35	457.81	5.8644+00	9.1943-01	2.5389-03	9.1943-01	2.5389-03	5.3305-04	2.6822-02	4.7644+04	6.5199-04	3.7770+00
36	641.26	1.6471+02	3.0028+01	9.4478-02	3.0028+01	9.4478-02	1.9836-02	9.9811-01	1.7729+06	2.4477-02	1.3070+00
37	500.33	2.2815+01	3.9324+00	1.1175-02	3.9324+00	1.1175-02	2.3462-03	1.1806-01	2.0970+05	2.8753-03	2.4660+00
38	465.34	5.7984+00	9.5381-01	2.6471-03	9.5381-01	2.6471-03	5.5576-04	2.7965-02	4.9674+04	6.8000-04	3.0090+00
39	458.39	7.8888+00	1.2838+00	3.5466-03	1.2838+00	3.5466-03	7.4462-04	3.7468-02	6.6554+04	9.1078-04	3.3930+00
40	456.26	7.3506+00	1.1837+00	3.2653-03	1.1837+00	3.2653-03	6.8556-04	3.4496-02	6.1275+04	8.3847-04	3.7770+00
41	460.36	6.1055+00	9.6488-01	2.6689-03	9.6488-01	2.6689-03	5.6035-04	2.8196-02	5.0084+04	6.8546-04	4.1620+00
43	474.95	5.0930+00	8.5582-01	2.3905-03	8.5582-01	2.3905-03	5.0188-04	2.5254-02	4.4858+04	6.1434-04	5.3230+00
47	471.62	1.5984+01	2.6087+00	7.2703-03	2.6087+00	7.2703-03	1.5264-03	7.6807-02	1.3643+05	1.8682-03	7.1100-01
48	543.16	8.9884+01	1.5633+01	4.5766-02	1.5633+01	4.5766-02	9.6087-03	4.8350-01	8.5882+05	1.1800-02	1.0880+00
49	610.73	1.5428+02	2.8077+01	8.6330-02	2.8077+01	8.6330-02	1.8125-02	9.1203-01	1.6200+06	2.2332-02	1.3070+00
50	554.64	9.0884+01	1.6106+01	4.7539-02	1.6106+01	4.7539-02	9.9810-03	5.0223-01	8.9210+05	1.2264-02	1.6410+00
51	502.04	4.5310+01	7.8411+00	2.2308-02	7.8411+00	2.2308-02	4.6837-03	2.3567-01	4.1863+05	5.7404-03	1.7720+00
52	481.34	4.5294+00	7.7337-01	2.1695-03	7.7337-01	2.1695-03	4.5549-04	2.2920-02	4.0712+04	5.5772-04	2.4660+00
53	468.68	1.1100+01	1.8300+00	5.0902-03	1.8300+00	5.0902-03	1.0687-03	5.3775-02	9.5520+04	1.3078-03	3.0090+00
54	458.90	8.6301+00	1.3965+00	3.8590-03	1.3965+00	3.8590-03	8.1021-04	4.0769-02	7.2417+04	9.9104-04	3.3930+00
55	457.12	7.6707+00	1.2171+00	3.3594-03	1.2171+00	3.3594-03	7.0531-04	3.5490-02	6.3041+04	8.6266-04	3.7770+00
56	464.14	3.9392+00	6.1052-01	1.6930-03	6.1052-01	1.6930-03	3.5545-04	1.7886-02	3.1770+04	4.3488-04	4.1100-01
57	472.10	1.6602+01	2.6938+00	7.5100-03	2.6938+00	7.5100-03	1.5767-03	7.9339-02	1.4093+05	1.9298-03	7.1100-01
58	545.23	9.1027+01	1.5851+01	4.6475-02	1.5851+01	4.6475-02	9.7575-03	4.9099-01	8.7213+05	1.1983-02	1.0880+00
59	625.06	1.4887+02	2.7226+01	8.4617-02	2.7226+01	8.4617-02	1.7766-02	8.9394-01	1.5879+06	2.1905-02	1.3070+00
60	558.38	9.3744+01	1.6552+01	4.8985-02	1.6552+01	4.8985-02	1.0285-02	5.1751-01	9.1924+05	1.2639-02	1.6410+00
61	462.32	5.4031+00	8.8431-01	2.4493-03	8.8431-01	2.4493-03	5.1423-04	2.5875-02	4.5962+04	6.2910-04	3.0090+00
62	453.57	5.8384+00	9.4133-01	2.5921-03	9.4133-01	2.5921-03	5.4422-04	2.7384-02	4.8642+04	6.6552-04	3.3930+00
63	454.86	5.5777+00	8.8366-01	2.4354-03	8.8366-01	2.4354-03	5.1132-04	2.5729-02	4.5701+04	6.2532-04	3.7770+00
64	540.82	9.1155+01	1.6162+01	4.7237-02	1.6162+01	4.7237-02	9.9176-03	4.9904-01	8.8643+05	1.2177-02	1.0880+00
65	621.55	1.5022+02	2.7911+01	8.6515-02	2.7911+01	8.6515-02	1.8164-02	9.1349-01	1.6235+06	2.2392-02	1.3070+00
66	556.43	9.3972+01	1.6819+01	4.9706-02	1.6819+01	4.9706-02	1.0436-02	5.2513-01	9.3277+05	1.2824-02	1.6410+00
69	459.21	5.8182+00	9.7888-01	2.7056-03	9.7888-01	2.7056-03	5.6805-04	2.8583-02	5.0772+04	6.9483-04	4.1100-01
70	466.83	1.5556+01	2.6306+00	7.3080-03	2.6306+00	7.3080-03	1.5343-03	7.7205-02	1.3714+05	1.8774-03	7.1100-01
71	625.87	1.4772+02	2.7430+01	8.5301-02	2.7430+01	8.5301-02	1.7909-02	9.0116-01	1.6007+06	2.2083-02	1.3070+00
72	561.18	9.3142+01	1.6718+01	4.9574-02	1.6718+01	4.9574-02	1.0408-02	5.2373-01	9.3029+05	1.2793-02	1.6410+00
73	464.17	7.1117+00	1.1549+00	3.2026-03	1.1549+00	3.2026-03	6.7239-04	3.3834-02	6.0098+04	8.2265-04	3.7770+00
74	482.47	4.8655+00	8.1193-01	2.2794-03	8.1193-01	2.2794-03	4.7856-04	2.4081-02	4.2774+04	5.8600-04	5.3230+00
77	460.33	8.4945+00	1.4177+00	3.9214-03	1.4177+00	3.9214-03	8.2330-04	4.1427-02	7.3587+04	1.0071-03	3.0090+00
78	455.56	8.7559+00	1.4394+00	3.9688-03	1.4394+00	3.9688-03	8.3327-04	4.1929-02	7.4477+04	1.0191-03	3.3930+00
79	456.43	8.4145+00	1.3593+00	3.7502-03	1.3593+00	3.7502-03	7.8737-04	3.9619-02	7.0375+04	9.6298-04	3.7770+00
80	487.29	1.4573+01	2.5053+00	7.0563-03	2.5053+00	7.0563-03	1.4815-03	7.4547-02	1.3242+05	1.8145-03	2.4660+00
81	459.76	7.2639+00	1.2118+00	3.3507-03	1.2118+00	3.3507-03	7.0349-04	3.5399-02	6.2878+04	8.6053-04	3.0090+00
82	455.02	7.8712+00	1.2973+00	3.5759-03	1.2973+00	3.5759-03	7.5076-04	3.7777-02	6.7103+04	9.1816-04	3.3930+00
83	452.00	5.7335+00	9.3465-01	2.5710-03	9.3465-01	2.5710-03	5.3980-04	2.7162-02	4.8247+04	6.6006-04	3.7770+00
337	532.12	3.2191+01	6.2250+00	1.8083-02	6.2250+00	1.8083-02	3.7966-03	1.9104-01	3.3934+05	4.6598-03	7.1680+00
339	505.89	1.5695+01	3.0491+00	8.6977-03	3.0491+00	8.6977-03	1.8261-03	9.1888-02	1.6322+05	2.2385-03	8.1130+00
340	484.87	4.1330+00	7.7558-01	2.1809-03	7.7558-01	2.1809-03	4.5788-04	2.3040-02	4.0925+04	5.6074-04	8.6180+00
342	530.98	3.3136+01	6.6080+00	1.9180-02	6.6080+00	1.9180-02	4.0270-03	2.0263-01	3.5993+05	4.9423-03	7.1680+00
344	506.04	1.6898+01	3.3004+00	9.4155-03	3.3004+00	9.4155-03	1.9768-03	9.9471-02	1.7669+05	2.4233-03	8.1130+00
347	522.64	2.7494+01	5.2855+00	1.5253-02	5.2855+00	1.5253-02	3.2024-03	1.6114-01	2.8623+05	3.9287-03	7.1680+00
349	504.43	1.8068+01	3.5161+00	1.0020-02	3.5161+00	1.0020-02	2.1037-03	1.0585-01	1.8802+05	2.5786-03	8.1130+00
350	482.54	4.5481+00	8.0445-01	2.2585-03	8.0445-01	2.2585-03	4.7418-04	2.3860-02	4.2382+04	5.8063-04	8.6180+00
352	533.11	3.3578+01	6.3411+00	1.8433-02	6.3411+00	1.8433-02	3.8702-03	1.9474-01	3.4592+05	4.7503-03	7.1680+00
354	509.19	1.7270+01	3.3622+00	9.6125-03	3.3622+00	9.6125-03	2.0182-03	1.0155-01	1.8039+05	2.4744-03	8.1130+00
357	531.10	3.0444+01	5.7265+00	1.6623-02	5.7265+00	1.6623-02	3.4901-03	1.7562-01	3.1195+05	4.2834-03	7.1680+00
359	513.08	1.8623+01	3.3974+00	9.7392-03	3.3974+00	9.7392-03	2.0448-03	1.0289-01	1.8276+05	2.5074-03	8.1130+00
401	471.69	1.2504+01	1.0483+00	2.9217-03	1.0483+00	2.9217-03	6.1342-04	3.0866-02	5.4827+04	7.5076-04	4.5500-01
403	482.61	1.9229+01	1.6045+00	4.5050-03	1.6045+00	4.5050-03	9.4584-04	4.7593-02	8.4539+04	1.1582-03	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.2768-06	-5.6936-03	-4.2768-06	-8.9792-07	-4.5182-05	-8.0256+01	-9.4498-07	8.0100-01
405	547.08	7.0415+01	6.1196+00	1.7965-02	6.1196+00	1.7965-02	3.7719-03	1.8980-01	3.3713+05	4.6328-03	1.0510+00
406	583.64	1.1893+02	1.0625+01	3.2022-02	1.0625+01	3.2022-02	6.7231-03	3.3830-01	6.0091+05	8.2723-03	1.1670+00
407	676.52	1.8086+02	1.7300+01	5.5941-02	1.7300+01	5.5941-02	1.1745-02	5.9100-01	1.0498+06	1.4520-02	1.2830+00
408	477.27	1.6732+01	1.3746+00	3.8456-03	1.3746+00	3.8456-03	8.0740-04	4.0627-02	7.2165+04	9.8843-04	5.1300-01
409	477.50	1.9294+01	1.6142+00	4.5164-03	1.6142+00	4.5164-03	9.4823-04	4.7713-02	8.4753+04	1.1608-03	5.7000-01
410	482.00	2.1342+01	1.7269+00	4.8465-03	1.7269+00	4.8465-03	1.0175-03	5.1201-02	9.0948+04	1.2460-03	6.2800-01
411	487.70	2.6089+01	2.1973+00	6.1906-03	2.1973+00	6.1906-03	1.2997-03	6.5401-02	1.1617+05	1.5919-03	6.8600-01
412	491.67	2.2376+01	1.8783+00	5.3060-03	1.8783+00	5.3060-03	1.1140-03	5.6055-02	9.9570+04	1.3647-03	7.4400-01
413	500.19	3.6278+01	3.0987+00	8.8045-03	3.0987+00	8.8045-03	1.8485-03	9.3016-02	1.6522+05	2.2654-03	8.0100-01
414	505.19	3.9736+01	3.3646+00	9.5929-03	3.3646+00	9.5929-03	2.0141-03	1.0134-01	1.8002+05	2.4688-03	8.5900-01
415	518.32	4.8395+01	4.1568+00	1.1959-02	4.1568+00	1.1959-02	2.5109-03	1.2635-01	2.2443+05	3.0798-03	9.1700-01
416	485.20	2.0368+01	1.5904+00	4.4731-03	1.5904+00	4.4731-03	9.3914-04	4.7256-02	8.3940+04	1.1501-03	5.7000-01
417	543.53	7.3818+01	6.4015+00	1.8746-02	6.4015+00	1.8746-02	3.9358-03	1.9804-01	3.5178+05	4.8332-03	1.0520+00

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41 1 11.99 -.01 .00 -.00 402 11 2.65 10.18 1640.5 1868.7

9.04286+01 3.36281-02 2.43943+00 4.74344+03 3.12003-05 7.32471-08 1.69509-01 7.72000+00 7.64071-06 7.40072-02

1	459.63	7.0551+00	1.1873+00	3.2826-03	1.1873+00	3.2826-03	6.8938-04	3.4679-02	6.1572+04	8.4262-04	4.1100-01
2	464.72	1.4608+01	2.4668+00	6.8432-03	2.4668+00	6.8432-03	1.4372-03	7.2295-02	1.2836+05	1.7570-03	7.1100-01
3	662.28	1.5386+02	2.9219+01	9.3436-02	2.9219+01	9.3436-02	1.9623-02	9.8711-01	1.7526+06	2.4220-02	1.3070+00
4	587.61	9.8372+01	1.7931+01	5.4201-02	1.7931+01	5.4201-02	1.1383-02	5.7261-01	1.0166+06	1.3997-02	1.6410+00
5	510.52	4.4255+01	8.0604+00	2.3066-02	8.0604+00	2.3066-02	4.8441-03	2.4368-01	4.3265+05	5.9347-03	1.7720+00
6	490.38	1.4551+01	2.4628+00	6.9510-03	2.4628+00	6.9510-03	1.4598-03	7.3435-02	1.3038+05	1.7868-03	2.4660+00
7	460.52	4.7611+00	7.8766-01	2.1790-03	7.8766-01	2.1790-03	4.5761-04	2.3020-02	4.0871+04	5.5935-04	3.0090+00
8	455.20	6.5548+00	1.0709+00	2.9520-03	1.0709+00	2.9520-03	6.1995-04	3.1186-02	5.5370+04	7.5760-04	3.3930+00
9	452.69	5.6774+00	9.2594-01	2.5482-03	9.2594-01	2.5482-03	5.3516-04	2.6921-02	4.7797+04	6.5391-04	3.7770+00
10	474.04	4.0270+00	6.6828-01	1.8655-03	6.6828-01	1.8655-03	3.9178-04	1.9708-02	3.4991+04	4.7918-04	5.3230+00
14	524.89	6.7312+01	1.1818+01	3.4158-02	1.1818+01	3.4158-02	7.1735-03	3.6086-01	6.4069+05	8.7944-03	1.0880+00
15	653.51	1.5521+02	2.9339+01	9.3184-02	2.9339+01	9.3184-02	1.9570-02	9.8445-01	1.7479+06	2.4144-02	1.3070+00
16	571.55	9.4900+01	1.7138+01	5.1201-02	1.7138+01	5.1201-02	1.0753-02	5.4091-01	9.6038+05	1.3212-02	1.6410+00
19	465.07	5.2753+00	8.1029-01	2.2484-03	8.1029-01	2.2484-03	4.7218-04	2.3753-02	4.2173+04	5.7728-04	4.1100-01
20	472.99	1.5097+01	2.4436+00	6.8166-03	2.4436+00	6.8166-03	1.4316-03	7.2014-02	1.2786+05	1.7508-03	7.1100-01
21	541.58	8.1280+01	1.3954+01	4.0806-02	1.3954+01	4.0806-02	8.5698-03	4.3110-01	7.6541+05	1.0515-02	1.0880+00
22	647.35	1.5246+02	2.7970+01	8.8414-02	2.7970+01	8.8414-02	1.8568-02	9.3405-01	1.6584+06	2.2901-02	1.3070+00
23	905.17	1.1533-01	2.3443-02	9.2547-05	2.3443-02	9.2547-05	1.9436-05	9.7772-04	1.7359+03	2.4330-05	1.6410+00
24	477.90	7.9959+00	1.3263+00	3.7120-03	1.3263+00	3.7120-03	7.7957-04	3.9216-02	6.9627+04	9.5364-04	3.0090+00
25	471.60	7.7693+00	1.2525+00	3.4907-03	1.2525+00	3.4907-03	7.3310-04	3.6878-02	6.5476+04	8.9654-04	3.3930+00
26	467.14	7.8706+00	1.2729+00	3.5368-03	1.2729+00	3.5368-03	7.4277-04	3.7365-02	6.6340+04	9.0819-04	3.7770+00
27	472.58	1.4658+01	2.3719+00	6.6146-03	2.3719+00	6.6146-03	1.3891-03	6.9880-02	1.2407+05	1.6989-03	7.1100-01
28	547.18	8.5164+01	1.4671+01	4.3072-02	1.4671+01	4.3072-02	9.0457-03	4.5504-01	8.0791+05	1.1101-02	1.0880+00
29	665.95	1.5045+02	2.8123+01	9.0186-02	2.8123+01	9.0186-02	1.8940-02	9.5278-01	1.6916+06	2.3382-02	1.3070+00
30	567.95	9.2125+01	1.6359+01	4.8747-02	1.6359+01	4.8747-02	1.0238-02	5.1499-01	9.1436+05	1.2577-02	1.6410+00
31	505.80	4.5716+01	7.9304+00	2.2620-02	7.9304+00	2.2620-02	4.7506-03	2.3897-01	4.2429+05	5.8188-03	1.7720+00
32	496.65	1.6917+01	2.8748+00	8.1488-03	2.8748+00	8.1488-03	1.7113-03	8.6088-02	1.5285+05	2.0953-03	2.4660+00
33	470.37	5.9766+00	1.0012+00	2.7881-03	1.0012+00	2.7881-03	5.8553-04	2.9455-02	5.2296+04	7.1603-04	3.0090+00
34	463.75	6.7714+00	1.1127+00	3.0847-03	1.1127+00	3.0847-03	6.4782-04	3.2588-02	5.7860+04	7.9197-04	3.3930+00
35	459.27	5.8021+00	9.1055-01	2.5168-03	9.1055-01	2.5168-03	5.2856-04	2.6589-02	4.7208+04	6.4604-04	3.7770+00
36	681.42	1.5636+02	2.9113+01	9.4501-02	2.9113+01	9.4501-02	1.9846-02	9.9836-01	1.7726+06	2.4521-02	1.3070+00
37	505.98	2.2558+01	3.9023+00	1.1132-02	3.9023+00	1.1132-02	2.3379-03	1.1761-01	2.0881+05	2.8636-03	2.4660+00
38	466.82	5.9429+00	9.7854-01	2.7184-03	9.7854-01	2.7184-03	5.7089-04	2.8718-02	5.0989+04	6.9802-04	3.0090+00
39	460.37	7.8374+00	1.2772+00	3.5328-03	1.2772+00	3.5328-03	7.4193-04	3.7322-02	6.6265+04	9.0687-04	3.3930+00
40	458.08	7.2670+00	1.1717+00	3.2361-03	1.1717+00	3.2361-03	6.7961-04	3.4188-02	6.0699+04	8.3062-04	3.7770+00
41	461.88	6.1268+00	9.6924-01	2.6837-03	9.6924-01	2.6837-03	5.6361-04	2.8352-02	5.0338+04	6.[illegible]396-04	4.1620+00
43	476.23	5.0623+00	8.5139-01	2.3801-03	8.5139-01	2.3801-03	4.9986-04	2.5145-02	4.4645+04	6.1143-04	5.3230+00
47	475.60	1.5930+01	2.6067+00	7.2841-03	2.6067+00	7.2841-03	1.5297-03	7.6953-02	1.3663+05	1.8711-03	7.1100-01
48	565.26	8.7251+01	1.5377+01	4.5733-02	1.5377+01	4.5733-02	9.6045-03	4.8315-01	8.5782+05	1.1797-02	1.0880+00
49	648.59	1.4831+02	2.7552+01	8.7177-02	2.7552+01	8.7177-02	1.8308-02	9.2099-01	1.6352+06	2.2582-02	1.3070+00
50	577.06	8.8624+01	1.5915+01	4.7739-02	1.5915+01	4.7739-02	1.0026-02	5.0434-01	8.9543+05	1.2322-02	1.6410+00
51	513.44	4.5607+01	7.9500+00	2.2796-02	7.9500+00	2.2796-02	4.7874-03	2.4083-01	4.2759+05	5.8661-03	1.7720+00
52	482.49	4.6431+00	7.9340-01	2.2274-03	7.9340-01	2.2274-03	4.6778-04	2.3531-02	4.1779+04	5.7235-04	2.4660+00
53	471.49	1.1252+01	1.8586+00	5.1794-03	1.8586+00	5.1794-03	1.0877-03	5.4718-02	9.7150+04	1.3302-03	3.0090+00
54	461.06	8.6644+00	1.4041+00	3.8856-03	1.4041+00	3.8856-03	8.1602-04	4.1050-02	7.2882+04	9.9747-04	3.3930+00
55	459.03	7.6945+00	1.2225+00	3.3785-03	1.2225+00	3.3785-03	7.0952-04	3.5692-02	6.3371+04	8.6721-04	3.7770+00
56	465.26	4.1751+00	6.4755-01	1.7970-03	6.4755-01	1.7970-03	3.7740-04	1.8985-02	3.3707+04	4.6140-04	4.1100-01
57	476.26	1.6536+01	2.6905+00	7.5218-03	2.6905+00	7.5218-03	1.5797-03	7.9464-02	1.4109+05	1.9322-03	7.1100-01
58	567.65	8.8497+01	1.5619+01	4.6531-02	1.5619+01	4.6531-02	9.7720-03	4.9158-01	8.7278+05	1.2005-02	1.0880+00
59	661.58	1.4309+02	2.6686+01	8.5290-02	2.6686+01	8.5290-02	1.7912-02	9.0105-01	1.5998+06	2.2108-02	1.3070+00
60	581.54	9.1381+01	1.6356+01	4.9221-02	1.6356+01	4.9221-02	1.0337-02	5.1999-01	9.2324+05	1.2707-02	1.6410+00
61	463.69	5.5569+00	9.1032-01	2.5236-03	9.1032-01	2.5236-03	5.2999-04	2.6661-02	4.7336+04	6.4791-04	3.0090+00
62	455.10	6.1527+00	9.9303-01	2.7372-03	9.9303-01	2.7372-03	5.7485-04	2.8918-02	5.1342+04	7.0248-04	3.3930+00
63	456.27	5.6171+00	8.9076-01	2.4572-03	8.9076-01	2.4572-03	5.1605-04	2.5960-02	4.6090+04	6.3066-04	3.7770+00
64	563.31	8.8791+01	1.5957+01	4.7391-02	1.5957+01	4.7391-02	9.9526-03	5.0066-01	8.8891+05	1.2224-02	1.0880+00
65	658.40	1.4445+02	2.7376+01	8.7279-02	2.7376+01	8.7279-02	1.8330-02	9.2206-01	1.6371+06	2.2619-02	1.3070+00
66	579.62	9.1643+01	1.6628+01	4.9969-02	1.6628+01	4.9969-02	1.0494-02	5.2790-01	9.3727+05	1.2899-02	1.6410+00
69	460.68	5.8312+00	9.8203-01	2.7170-03	9.8203-01	2.7170-03	5.7059-04	2.8703-02	5.0962+04	6.9746-04	4.1100-01
70	470.72	1.5491+01	2.6266+00	7.3157-03	2.6266+00	7.3157-03	1.5364-03	7.7287-02	1.3722+05	1.8788-03	7.1100-01
71	662.19	1.4224+02	2.6932+01	8.6115-02	2.6932+01	8.6115-02	1.8085-02	9.0976-01	1.6153+06	2.2322-02	1.3070+00
72	584.14	9.0804+01	1.6519+01	4.9805-02	1.6519+01	4.9805-02	1.0460-02	5.2616-01	9.3419+05	1.2859-02	1.6410+00
73	465.95	7.0364+00	1.1440+00	3.1762-03	1.1440+00	3.1762-03	6.6705-04	3.3555-02	5.9577+04	8.1555-04	3.7770+00
74	483.68	4.7735+00	7.9722-01	2.2399-03	7.9722-01	2.2399-03	4.7041-04	2.3664-02	4.2014+04	5.7560-04	5.3230+00
77	462.45	8.6016+00	1.4376+00	3.9821-03	1.4376+00	3.9821-03	8.3628-04	4.2069-02	7.4692+04	1.0223-03	3.0090+00
78	457.81	8.8358+00	1.4548+00	4.0172-03	1.4548+00	4.0172-03	8.4365-04	4.2440-02	7.5350+04	1.0311-03	3.3930+00
79	458.54	8.3855+00	1.3566+00	3.7478-03	1.3566+00	3.7478-03	7.8708-04	3.9594-02	7.0298+04	9.6199-04	3.7770+00
80	491.02	1.5215+01	2.6220+00	7.4037-03	2.6220+00	7.4037-03	1.5549-03	7.8216-02	1.3887+05	1.9032-03	2.4660+00
81	461.58	7.4016+00	1.2363+00	3.4225-03	1.2363+00	3.4225-03	7.1877-04	3.6157-02	6.4196+04	8.7861-04	3.0090+00
82	457.03	7.9527+00	1.3126+00	3.6227-03	1.3126+00	3.6227-03	7.6081-04	3.8272-02	6.7951+04	9.2981-04	3.3930+00
83	453.41	5.8286+00	9.5106-01	2.6186-03	9.5106-01	2.6186-03	5.4993-04	2.7664-02	4.9117+04	6.7199-04	3.7770+00
337	540.14	3.2000+01	6.2185+00	1.8167-02	6.2185+00	1.8167-02	3.8152-03	1.9192-01	3.4075+05	4.6806-03	7.1680+00
339	509.84	1.5790+01	3.0754+00	8.7966-03	3.0754+00	8.7966-03	1.8474-03	9.2932-02	1.6500+05	2.2632-03	8.1130+00
340	485.89	4.1392+00	7.7727-01	2.1871-03	7.7727-01	2.1871-03	4.5932-04	2.3106-02	4.1024+04	5.6209-04	8.6180+00
342	539.21	3.2898+01	6.5938+00	1.9250-02	6.5938+00	1.9250-02	4.0428-03	2.0337-01	3.6108+05	4.9596-03	7.1680+00
344	510.27	1.6875+01	3.3048+00	9.4556-03	3.3048+00	9.4556-03	1.9858-03	9.9894-02	1.7736+05	2.4328-03	8.1130+00
347	529.51	2.7471+01	5.3037+00	1.5379-02	5.3037+00	1.5379-02	3.2297-03	1.6247-01	2.8846+05	3.9604-03	7.1680+00
349	508.95	1.8080+01	3.5286+00	1.0087-02	3.5286+00	1.0087-02	2.1183-03	1.0656-01	1.8920+05	2.5951-03	8.1130+00
350	483.68	4.6431+00	8.2188-01	2.3092-03	8.2188-01	2.3092-03	4.8496-04	2.4396-02	4.3314+04	5.9341-04	8.6180+00
352	541.47	3.3315+01	6.3239+00	1.8492-02	6.3239+00	1.8492-02	3.8835-03	1.9536-01	3.4685+05	4.7647-03	7.1680+00
354	513.46	1.7092+01	3.3367+00	9.5678-03	3.3367+00	9.5678-03	2.0094-03	1.0108-01	1.7946+05	2.4621-03	8.1130+00
357	538.65	3.0019+01	5.6728+00	1.6555-02	5.6728+00	1.6555-02	3.4767-03	1.7489-01	3.1052+05	4.2651-03	7.1680+00
359	517.66	1.8371+01	3.3612+00	9.6661-03	3.3612+00	9.6661-03	2.0300-03	1.0212-01	1.8131+05	2.4878-03	8.1130+00
401	474.82	1.2513+01	1.0513+00	2.9361-03	1.0513+00	2.9361-03	6.1662-04	3.1019-02	5.5073+04	7.5420-04	4.5500-01
403	487.40	1.9199+01	1.6071+00	4.5269-03	1.6071+00	4.5269-03	9.5071-04	4.7825-02	8.4912+04	1.1635-03	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1365-06	-2.8443-03	-2.1365-06	-4.4869-07	-2.2571-05	-4.0075+01	-4.7202-07	8.0100-01
405	564.64	6.9485+01	6.1024+00	1.8141-02	6.1024+00	1.8141-02	3.8098-03	1.9165-01	3.4027+05	4.6796-03	1.0510+00
406	613.34	1.1688+02	1.0619+01	3.2714-02	1.0619+01	3.2714-02	6.8703-03	3.4561-01	6.1361+05	8.4588-03	1.1670+00
407	720.08	1.6836+02	1.6460+01	5.5114-02	1.6460+01	5.5114-02	1.1575-02	5.8226-01	1.0338+06	1.4330-02	1.2830+00
408	481.45	1.6807+01	1.3846+00	3.8844-03	1.3846+00	3.8844-03	8.1577-04	4.1037-02	7.2860+04	9.9810-04	5.1300-01
409	482.30	1.9199+01	1.6113+00	4.5231-03	1.6113+00	4.5231-03	9.4990-04	4.7784-02	8.4840+04	1.1622-03	5.7000-01
410	487.33	2.1362+01	1.7345+00	4.8855-03	1.7345+00	4.8855-03	1.0260-03	5.1613-02	9.1638+04	1.2557-03	6.2800-01
411	494.20	2.5902+01	2.1909+00	6.1997-03	2.1909+00	6.1997-03	1.3020-03	6.5497-02	1.1629+05	1.5939-03	6.8600-01
412	497.27	2.2381+01	1.8855+00	5.3467-03	1.8855+00	5.3467-03	1.1229-03	5.6486-02	1.0029+05	1.3748-03	7.4400-01
413	509.23	3.5986+01	3.0916+00	8.8391-03	3.0916+00	8.8391-03	1.8563-03	9.3381-02	1.6580+05	2.2741-03	8.0100-01
414	515.18	3.9874+01	3.3977+00	9.7545-03	3.3977+00	9.7545-03	2.0486-03	1.0305-01	1.8297+05	2.5103-03	8.5900-01
415	530.42	4.8453+01	4.1932+00	1.2167-02	4.1932+00	1.2167-02	2.5551-03	1.2853-01	2.2821+05	3.1333-03	9.1700-01
416	490.31	2.0431+01	1.6006+00	4.5175-03	1.6006+00	4.5175-03	9.4872-04	4.7725-02	8.4735+04	1.1612-03	5.7000-01
417	562.35	7.5378+01	6.6110+00	1.9621-02	6.6110+00	1.9621-02	4.1206-03	2.0728-01	3.6803+05	5.0607-03	1.0520+00

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41 1 11.99 -.01 .00 -.00 402 11 3.15 10.18 1640.5 1868.5

9.04194+01 3.36287-02 2.43948+00 4.74320+03 3.12040-05 7.32397-08 1.69538-01 7.72000+00 7.63984-06 7.40081-02

1	463.10	6.9491+00	1.1722+00	3.2501-03	1.1722+00	3.2501-03	6.8251-04	3.4336-02	6.0969+04	8.3406-04	4.1100-01
2	472.05	1.4705+01	2.4954+00	6.9604-03	2.4954+00	6.9604-03	1.4617-03	7.3533-02	1.3057+05	1.7869-03	7.1100-01
3	736.10	1.4057+02	2.7700+01	9.4039-02	2.7700+01	9.4039-02	1.9748-02	9.9348-01	1.7641+06	2.4460-02	1.3070+00
4	635.84	9.4498+01	1.7695+01	5.5478-02	1.7695+01	5.5478-02	1.1650-02	5.8610-01	1.0407+06	1.4355-02	1.6410+00
5	532.77	4.4414+01	8.2024+00	2.3852-02	8.2024+00	2.3852-02	5.0088-03	2.5198-01	4.4744+05	6.1406-03	1.7720+00
6	497.97	1.5704+01	2.6710+00	7.5821-03	2.6710+00	7.5821-03	1.5922-03	8.0102-02	1.4223+05	1.9489-03	2.4660+00
7	463.04	5.1444+00	8.5253-01	2.3637-03	8.5253-01	2.3637-03	4.9636-04	2.4971-02	4.4341+04	6.0658-04	3.0090+00
8	458.46	6.5371+00	1.0703+00	2.9585-03	1.0703+00	2.9585-03	6.2128-04	3.1255-02	5.5499+04	7.5907-04	3.3930+00
9	455.64	6.0582+00	9.9003-01	2.7314-03	9.9003-01	2.7314-03	5.7358-04	2.8856-02	5.1239+04	7.0071-04	3.7770+00
10	476.12	4.1626+00	6.9174-01	1.9347-03	6.9174-01	1.9347-03	4.0629-04	2.0440-02	3.6294+04	4.9679-04	5.3230+00
14	558.09	6.5489+01	1.1733+01	3.4736-02	1.1733+01	3.4736-02	7.2944-03	3.6697-01	6.5162+05	8.9535-03	1.0880+00
15	727.83	1.4149+02	2.7770+01	9.3636-02	2.7770+01	9.3636-02	1.9663-02	9.8922-01	1.7565+06	2.4344-02	1.3070+00
16	617.90	9.0580+01	1.6796+01	5.1951-02	1.6796+01	5.1951-02	1.0909-02	5.4883-01	9.7455+05	1.3430-02	1.6410+00
19	467.71	5.3870+00	8.2891-01	2.3053-03	8.2891-01	2.3053-03	4.8412-04	2.4355-02	4.3246+04	5.9174-04	4.1100-01
20	480.52	1.5059+01	2.4496+00	6.8717-03	2.4496+00	6.8717-03	1.4430-03	7.2596-02	1.2891+05	1.7648-03	7.1100-01
21	581.47	7.7498+01	1.3624+01	4.1020-02	1.3624+01	4.1020-02	8.6141-03	4.3336-01	7.6950+05	1.0585-02	1.0880+00
22	720.54	1.3982+02	2.6625+01	8.9242-02	2.6625+01	8.9242-02	1.8741-02	9.4280-01	1.6741+06	2.3193-02	1.3070+00
23	905.27	1.3766-01	2.7985-02	1.1057-04	2.7985-02	1.1057-04	2.3220-05	1.1681-03	2.0742+03	2.9052-05	1.6410+00
24	481.94	8.0182+00	1.3336+00	3.7445-03	1.3336+00	3.7445-03	7.8634-04	3.9559-02	7.0245+04	9.6177-04	3.0090+00
25	475.46	7.6597+00	1.2380+00	3.4612-03	1.2380+00	3.4612-03	7.2684-04	3.6566-02	6.4929+04	8.8872-04	3.3930+00
26	471.01	7.7148+00	1.2509+00	3.4867-03	1.2509+00	3.4867-03	7.3220-04	3.6836-02	6.5408+04	8.9510-04	3.7770+00
27	479.91	1.4748+01	2.3980+00	6.7242-03	2.3980+00	6.7242-03	1.4121-03	7.1038-02	1.2614+05	1.7269-03	7.1100-01
28	588.90	8.1363+01	1.4364+01	4.3486-02	1.4364+01	4.3486-02	9.1319-03	4.5941-01	8.1576+05	1.1225-02	1.0880+00
29	737.99	1.3722+02	2.6589+01	9.0412-02	2.6589+01	9.0412-02	1.8986-02	9.5516-01	1.6961+06	2.3519-02	1.3070+00
30	612.97	8.7811+01	1.6000+01	4.9308-02	1.6000+01	4.9308-02	1.0355-02	5.2092-01	9.2498+05	1.2744-02	1.6410+00
31	528.73	4.5601+01	8.0253+00	2.3271-02	8.0253+00	2.3271-02	4.8868-03	2.4585-01	4.3654+05	5.9899-03	1.7720+00
32	505.36	1.7778+01	3.0381+00	8.6679-03	3.0381+00	8.6679-03	1.8202-03	9.1572-02	1.6260+05	2.2287-03	2.4660+00
33	473.45	6.3465+00	1.0654+00	2.9745-03	1.0654+00	2.9745-03	6.2463-04	3.1424-02	5.5798+04	7.6368-04	3.0090+00
34	467.19	6.8275+00	1.1245+00	3.1263-03	1.1245+00	3.1263-03	6.5651-04	3.3028-02	5.8647+04	8.0244-04	3.3930+00
35	462.18	5.8556+00	9.2076-01	2.5514-03	9.2076-01	2.5514-03	5.3578-04	2.6954-02	4.7861+04	6.5472-04	3.7770+00
36	755.25	1.3881+02	2.6794+01	9.2430-02	2.6794+01	9.2430-02	1.9410-02	9.7648-01	1.7339+06	2.4067-02	1.3070+00
37	517.14	2.2184+01	3.8647+00	1.1116-02	3.8647+00	1.1116-02	2.3344-03	1.1744-01	2.0853+05	2.8598-03	2.4660+00
38	469.81	6.1335+00	1.0120+00	2.8184-03	1.0120+00	2.8184-03	5.9185-04	2.9775-02	5.2870+04	7.2348-04	3.0090+00
39	464.26	7.6530+00	1.2504+00	3.4696-03	1.2504+00	3.4696-03	7.2860-04	3.6655-02	6.5087+04	8.9043-04	3.3930+00
40	461.64	6.9449+00	1.1225+00	3.1091-03	1.1225+00	3.1091-03	6.5291-04	3.2846-02	5.8325+04	7.9783-04	3.7770+00
41	464.91	6.0177+00	9.5392-01	2.6481-03	9.5392-01	2.6481-03	5.5608-04	2.7976-02	4.9675+04	6.7962-04	4.1620+00
43	478.73	4.9761+00	8.3827-01	2.3487-03	8.3827-01	2.3487-03	4.9322-04	2.4813-02	4.4060+04	6.0316-04	5.3230+00
47	483.58	1.5948+01	2.6233+00	7.3743-03	2.6233+00	7.3743-03	1.5486-03	7.7906-02	1.3834+05	1.8942-03	7.1100-01
48	607.71	8.2901+01	1.4972+01	4.5958-02	1.4972+01	4.5958-02	9.6510-03	4.8552-01	8.6213+05	1.1875-02	1.0880+00
49	719.79	1.3573+02	2.6148+01	8.7588-02	2.6148+01	8.7588-02	1.8393-02	9.2532-01	1.6431+06	2.2762-02	1.3070+00
50	620.25	8.4268+01	1.5508+01	4.8053-02	1.5508+01	4.8053-02	1.0091-02	5.0766-01	9.0143+05	1.2424-02	1.6410+00
51	536.29	4.5625+01	8.0670+00	2.3516-02	8.0670+00	2.3516-02	4.9383-03	2.4844-01	4.4115+05	6.0552-03	1.7720+00
52	484.92	4.9709+00	8.5076-01	2.3937-03	8.5076-01	2.3937-03	5.0266-04	2.5268-02	4.4903+04	6.1488-04	2.4660+00
53	477.16	1.1369+01	1.8850+00	5.2758-03	1.8850+00	5.2758-03	1.1079-03	5.5737-02	9.8971+04	1.3548-03	3.0090+00
54	465.39	8.6696+00	1.4090+00	3.9127-03	1.4090+00	3.9127-03	8.2165-04	4.1336-02	7.3399+04	1.0042-03	3.3930+00
55	462.87	7.5995+00	1.2105+00	3.3558-03	1.2105+00	3.3558-03	7.0471-04	3.5453-02	6.2952+04	8.6118-04	3.7770+00
56	467.32	4.3449+00	6.7483-01	1.8763-03	6.7483-01	1.8763-03	3.9403-04	1.9823-02	3.5199+04	4.8161-04	4.1100-01
57	484.48	1.6409+01	2.6845+00	7.5508-03	2.6845+00	7.5508-03	1.5856-03	7.9770-02	1.4165+05	1.9396-03	7.1100-01
58	610.76	8.4500+01	1.5287+01	4.7032-02	1.5287+01	4.7032-02	9.8765-03	4.9687-01	8.8227+05	1.2154-02	1.0880+00
59	730.12	1.3072+02	2.5234+01	8.5247-02	2.5234+01	8.5247-02	1.7902-02	9.0060-01	1.5992+06	2.2166-02	1.3070+00
60	626.06	8.6853+01	1.5940+01	4.9609-02	1.5940+01	4.9609-02	1.0418-02	5.2410-01	9.3063+05	1.2830-02	1.6410+00
61	466.52	5.6208+00	9.2254-01	2.5637-03	9.2254-01	2.5637-03	5.3837-04	2.7084-02	4.8093+04	6.5801-04	3.0090+00
62	458.21	6.1881+00	1.0008+00	2.7659-03	1.0008+00	2.7659-03	5.8084-04	2.9221-02	5.1887+04	7.0966-04	3.3930+00
63	459.05	5.6306+00	8.9459-01	2.4737-03	8.9459-01	2.4737-03	5.1947-04	2.6133-02	4.6404+04	6.3470-04	3.7770+00
64	606.59	8.4897+01	1.5643+01	4.7978-02	1.5643+01	4.7978-02	1.0075-02	5.0686-01	9.0003+05	1.2396-02	1.0880+00
65	727.72	1.3232+02	2.5969+01	8.7558-02	2.5969+01	8.7558-02	1.8387-02	9.2501-01	1.6425+06	2.2764-02	1.3070+00
66	624.34	8.7169+01	1.6220+01	5.0415-02	1.6220+01	5.0415-02	1.0587-02	5.3261-01	9.4575+05	1.3037-02	1.6410+00
69	463.60	5.7855+00	9.7625-01	2.7077-03	9.7625-01	2.7077-03	5.6860-04	2.8605-02	5.0794+04	6.9488-04	4.1100-01
70	478.43	1.5492+01	2.6401+00	7.3957-03	2.6401+00	7.3957-03	1.5531-03	7.8132-02	1.3874+05	1.8992-03	7.1100-01
71	730.45	1.3029+02	2.5530+01	8.6270-02	2.5530+01	8.6270-02	1.8116-02	9.1140-01	1.6183+06	2.2432-02	1.3070+00
72	628.46	8.6475+01	1.6128+01	5.0283-02	1.6128+01	5.0283-02	1.0559-02	5.3122-01	9.4327+05	1.3006-02	1.6410+00
73	469.42	6.8800+00	1.1212+00	3.1218-03	1.1212+00	3.1218-03	6.5557-04	3.2980-02	5.8562+04	8.0136-04	3.7770+00
74	486.03	4.7044+00	7.8689-01	2.2156-03	7.8689-01	2.2156-03	4.6527-04	2.3407-02	4.1563+04	5.6918-04	5.3230+00
77	466.75	8.6197+00	1.4448+00	4.0157-03	1.4448+00	4.0157-03	8.4329-04	4.2424-02	7.5332+04	1.0307-03	3.0090+00
78	462.18	8.6774+00	1.4329+00	3.9705-03	1.4329+00	3.9705-03	8.3379-04	4.1946-02	7.4483+04	1.0189-03	3.3930+00
79	462.68	8.1823+00	1.3274+00	3.6794-03	1.3274+00	3.6794-03	7.7266-04	3.8871-02	6.9022+04	9.4421-04	3.7770+00
80	498.94	1.6330+01	2.8286+00	8.0348-03	2.8286+00	8.0348-03	1.6873-03	8.4884-02	1.5073+05	2.0653-03	2.4660+00
81	465.36	7.6774+00	1.2857+00	3.5701-03	1.2857+00	3.5701-03	7.4970-04	3.7716-02	6.6971+04	9.1626-04	3.0090+00
82	460.97	7.8073+00	1.2920+00	3.5772-03	1.2920+00	3.5772-03	7.5120-04	3.7792-02	6.7105+04	9.1792-04	3.3930+00
83	456.46	6.0805+00	9.9423-01	2.7445-03	9.9423-01	2.7445-03	5.7633-04	2.8994-02	5.1484+04	7.0410-04	3.7770+00
337	556.05	3.1580+01	6.1962+00	1.8318-02	6.1962+00	1.8318-02	3.8466-03	1.9352-01	3.4362+05	4.7210-03	7.1680+00
339	517.78	1.5859+01	3.1044+00	8.9334-03	3.1044+00	8.9334-03	1.8760-03	9.4377-02	1.6758+05	2.2983-03	8.1130+00
340	487.97	4.1408+00	7.7862-01	2.1952-03	7.7862-01	2.1952-03	4.6099-04	2.3192-02	4.1181+04	5.6399-04	8.6180+00
342	555.54	3.2322+01	6.5426+00	1.9334-02	6.5426+00	1.9334-02	4.0602-03	2.0426-01	3.6270+05	4.9830-03	7.1680+00
344	518.67	1.6814+01	3.3102+00	9.5316-03	3.3102+00	9.5316-03	2.0016-03	1.0070-01	1.7880+05	2.4523-03	8.1130+00
347	543.18	2.7215+01	5.2985+00	1.5521-02	5.2985+00	1.5521-02	3.2593-03	1.6397-01	2.9116+05	3.9978-03	7.1680+00
349	517.95	1.7902+01	3.5138+00	1.0113-02	3.5138+00	1.0113-02	2.1236-03	1.0683-01	1.8970+05	2.6017-03	8.1130+00
350	486.03	4.6613+00	8.2636-01	2.3268-03	8.2636-01	2.3268-03	4.8862-04	2.4581-02	4.3649+04	5.9773-04	8.6180+00
352	558.02	3.2899+01	6.3075+00	1.8673-02	6.3075+00	1.8673-02	3.9212-03	1.9727-01	3.5029+05	4.8130-03	7.1680+00
354	521.98	1.6981+01	3.3327+00	9.6184-03	3.3327+00	9.6184-03	2.0198-03	1.0161-01	1.8043+05	2.4750-03	8.1130+00
357	553.49	2.9651+01	5.6539+00	1.6684-02	5.6539+00	1.6684-02	3.5035-03	1.7626-01	3.1297+05	4.2994-03	7.1680+00
359	526.80	1.8248+01	3.3577+00	9.7233-03	3.3577+00	9.7233-03	2.0419-03	1.0272-01	1.8240+05	2.5026-03	8.1130+00
401	481.07	1.2466+01	1.0517+00	2.9512-03	1.0517+00	2.9512-03	6.1975-04	3.1179-02	5.5363+04	7.5798-04	4.5500-01
403	497.01	1.9324+01	1.6277+00	4.6174-03	1.6277+00	4.6174-03	9.6963-04	4.8780-02	8.6618+04	1.1868-03	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.2802-06	-5.6973-03	-4.2802-06	-8.9883-07	-4.5219-05	-8.0293+01	-9.4552-07	8.0100-01
405	598.74	6.7147+01	6.0147+00	1.8341-02	6.0147+00	1.8341-02	3.8515-03	1.9376-01	3.4406+05	4.7368-03	1.0510+00
406	670.08	1.0930+02	1.0238+01	3.2958-02	1.0238+01	3.2958-02	6.9211-03	3.4819-01	6.1827+05	8.5426-03	1.1670+00
407	798.38	1.4675+02	1.4879+01	5.3266-02	1.4879+01	5.3266-02	1.1186-02	5.6273-01	9.9922+05	1.3904-02	1.2830+00
408	489.87	1.6779+01	1.3899+00	3.9238-03	1.3899+00	3.9238-03	8.2398-04	4.1453-02	7.3607+04	1.0082-03	5.1300-01
409	491.93	1.9236+01	1.6247+00	4.5929-03	1.6247+00	4.5929-03	9.6449-04	4.8522-02	8.6159+04	1.1802-03	5.7000-01
410	498.01	2.1327+01	1.7437+00	4.9500-03	1.7437+00	4.9500-03	1.0395-03	5.2294-02	9.2857+04	1.2723-03	6.2800-01
411	507.05	2.5498+01	2.1745+00	6.2112-03	2.1745+00	6.2112-03	1.3043-03	6.5619-02	1.1652+05	1.5972-03	6.8600-01
412	508.49	2.2408+01	1.9014+00	5.4364-03	1.9014+00	5.4364-03	1.1416-03	5.7433-02	1.0198+05	1.3980-03	7.4400-01
413	527.04	3.5633+01	3.0956+00	8.9657-03	3.0956+00	8.9657-03	1.8828-03	9.4718-02	1.6819+05	2.3076-03	8.0100-01
414	535.10	3.9866+01	3.4394+00	1.0018-02	3.4394+00	1.0018-02	2.1037-03	1.0583-01	1.8793+05	2.5794-03	8.5900-01
415	554.64	4.8363+01	4.2475+00	1.2544-02	4.2475+00	1.2544-02	2.6342-03	1.3252-01	2.3532+05	3.2328-03	9.1700-01
416	500.56	2.0434+01	1.6115+00	4.5826-03	1.6115+00	4.5826-03	9.6233-04	4.8413-02	8.5965+04	1.1780-03	5.7000-01
417	600.48	7.6051+01	6.8190+00	2.0820-02	6.8190+00	2.0820-02	4.3722-03	2.1996-01	3.9057+05	5.3776-03	1.0520+00

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45 1 12.00 -.00 .00 -.00 402 11 1.90 10.18 1660.0 1874.3

9.07181+01 3.40092-02 2.46739+00 4.75132+03 3.14532-05 7.34816-08 1.70621-01 7.72000+00 7.66822-06 7.39779-02

1	455.15	6.9927+00	1.1732+00	3.2168-03	1.1732+00	3.2168-03	6.6901-04	3.4012-02	6.0120+04	8.2675-04	4.1100-01
2	452.20	1.3931+01	2.3327+00	6.3834-03	2.3327+00	6.3834-03	1.3276-03	6.7494-02	1.1930+05	1.6404-03	7.1100-01
3	541.17	1.7534+02	3.1095+01	9.0391-02	3.1095+01	9.0391-02	1.8799-02	9.5573-01	1.6894+06	2.3326-02	1.3070+00
4	513.98	1.0642+02	1.8557+01	5.2933-02	1.8557+01	5.2933-02	1.1009-02	5.5968-01	9.8931+05	1.3642-02	1.6410+00
5	487.85	4.1503+01	7.4497+00	2.0875-02	7.4497+00	2.0875-02	4.3416-03	2.2072-01	3.9015+05	5.3733-03	1.7720+00
6	526.18	1.1169+01	1.9339+00	5.5631-03	1.9339+00	5.5631-03	1.1570-03	5.8820-02	1.0397+05	1.4345-03	2.4660+00
7	484.75	4.0052+00	6.7338-01	1.8830-03	6.7338-01	1.8830-03	3.9162-04	1.9910-02	3.5193+04	4.8462-04	3.0090+00
8	464.94	6.5210+00	1.0724+00	2.9593-03	1.0724+00	2.9593-03	6.1547-04	3.1290-02	5.5309+04	7.6093-04	3.3930+00
9	455.64	6.1231+00	1.0006+00	2.7444-03	1.0006+00	2.7444-03	5.7078-04	2.9018-02	5.1292+04	7.0536-04	3.7770+00
10	472.77	4.1345+00	6.8555-01	1.9017-03	6.8555-01	1.9017-03	3.9551-04	2.0107-02	3.5542+04	4.8916-04	5.3230+00
14	475.72	6.5226+01	1.1096+01	3.0841-02	1.1096+01	3.0841-02	6.4142-03	3.2609-01	5.7641+05	7.9340-03	1.0880+00
15	531.68	1.7703+02	3.1212+01	9.0128-02	3.1212+01	9.0128-02	1.8745-02	9.5296-01	1.6845+06	2.3247-02	1.3070+00
16	498.96	1.0293+02	1.7778+01	5.0193-02	1.7778+01	5.0193-02	1.0439-02	5.3070-01	9.3809+05	1.2926-02	1.6410+00
19	463.12	4.9512+00	7.5950-01	2.0934-03	7.5950-01	2.0934-03	4.3537-04	2.2134-02	3.9124+04	5.3821-04	4.1100-01
20	463.65	1.4466+01	2.3269+00	6.4158-03	2.3269+00	6.4158-03	1.3343-03	6.7836-02	1.1991+05	1.6496-03	7.1100-01
21	482.61	7.8096+01	1.2916+01	3.6067-02	1.2916+01	3.6067-02	7.5011-03	3.8135-01	6.7408+05	9.2814-03	1.0880+00
22	528.52	1.7326+02	2.9686+01	8.5534-02	2.9686+01	8.5534-02	1.7789-02	9.0438-01	1.5986+06	2.2059-02	1.3070+00
23	971.20	1.0078-01	2.0995-02	8.7854-05	2.0995-02	8.7854-05	1.8272-05	9.2891-04	1.6420+03	2.3249-05	1.6410+00
24	479.87	7.4369+00	1.2352+00	3.4428-03	1.2352+00	3.4428-03	7.1601-04	3.6401-02	6.4344+04	8.8584-04	3.0090+00
25	469.60	7.5652+00	1.2180+00	3.3716-03	1.2180+00	3.3716-03	7.0122-04	3.5649-02	6.3015+04	8.6712-04	3.3930+00
26	463.43	7.9268+00	1.2788+00	3.5253-03	1.2788+00	3.5253-03	7.3319-04	3.7274-02	6.5888+04	9.0640-04	3.7770+00
27	463.40	1.4625+01	2.3522+00	6.4843-03	2.3522+00	6.4843-03	1.3486-03	6.8561-02	1.2119+05	1.6672-03	7.1100-01
28	485.33	8.1416+01	1.3490+01	3.7736-02	1.3490+01	3.7736-02	7.8482-03	3.9899-01	7.0528+05	9.7122-03	1.0880+00
29	549.87	1.7160+02	3.0055+01	8.7903-02	3.0055+01	8.7903-02	1.8282-02	9.2943-01	1.6429+06	2.2693-02	1.3070+00
30	500.01	1.0006+02	1.7041+01	4.8148-02	1.7041+01	4.8148-02	1.0014-02	5.0908-01	8.9987+05	1.2400-02	1.6410+00
31	480.52	4.3117+01	7.3581+00	2.0517-02	7.3581+00	2.0517-02	4.2671-03	2.1694-01	3.8346+05	5.2794-03	1.7720+00
32	514.60	1.3985+01	2.4040+00	6.8603-03	2.4040+00	6.8603-03	1.4268-03	7.2536-02	1.2822+05	1.7681-03	2.4660+00
33	474.22	5.6286+00	9.4536-01	2.6249-03	9.4536-01	2.6249-03	5.4593-04	2.7754-02	4.9060+04	6.7524-04	3.0090+00
34	459.94	6.7948+00	1.1137+00	3.0630-03	1.1137+00	3.0630-03	6.3704-04	3.2387-02	5.7248+04	7.8741-04	3.3930+00
35	454.69	5.8436+00	9.1422-01	2.5058-03	9.1422-01	2.5058-03	5.2115-04	2.6495-02	4.6833+04	6.4401-04	3.7770+00
36	558.57	1.8001+02	3.1316+01	9.2159-02	3.1316+01	9.2159-02	1.9167-02	9.7442-01	1.7224+06	2.3802-02	1.3070+00
37	519.00	2.1836+01	3.8086+00	1.0902-02	3.8086+00	1.0902-02	2.2673-03	1.1527-01	2.0375+05	2.8102-03	2.4660+00
38	469.43	5.6681+00	9.3492-01	2.5877-03	9.3492-01	2.5877-03	5.3818-04	2.7360-02	4.8363+04	6.6550-04	3.0090+00
39	453.50	7.4384+00	1.2065+00	3.3044-03	1.2065+00	3.3044-03	6.8724-04	3.4939-02	6.1758+04	8.4921-04	3.3930+00
40	450.63	6.9382+00	1.1130+00	3.0425-03	1.1130+00	3.0425-03	6.3278-04	3.2170-02	5.6864+04	7.8180-04	3.7770+00
41	455.13	6.0462+00	9.5214-01	2.6105-03	9.5214-01	2.6105-03	5.4293-04	2.7602-02	4.8790+04	6.7093-04	4.1620+00
43	470.42	5.1787+00	8.6760-01	2.4030-03	8.6760-01	2.4030-03	4.9976-04	2.5407-02	4.4911+04	6.1802-04	5.3230+00
47	464.14	1.5573+01	2.5289+00	6.9748-03	2.5289+00	6.9748-03	1.4506-03	7.3747-02	1.3036+05	1.7934-03	7.1100-01
48	498.56	8.7452+01	1.4791+01	4.1750-02	1.4791+01	4.1750-02	8.6830-03	4.4143-01	7.8030+05	1.0752-02	1.0880+00
49	533.00	1.6964+02	2.9496+01	8.5252-02	2.9496+01	8.5252-02	1.7730-02	9.0139-01	1.5933+06	2.1991-02	1.3070+00
50	511.64	9.6103+01	1.6586+01	4.7236-02	1.6586+01	4.7236-02	9.8241-03	4.9945-01	8.8284+05	1.2172-02	1.6410+00
51	487.67	4.3249+01	7.4153+00	2.0776-02	7.4153+00	2.0776-02	4.3210-03	2.1968-01	3.8831+05	5.3478-03	1.7720+00
52	497.07	4.4883+00	7.7425-01	2.1832-03	7.7425-01	2.1832-03	4.5405-04	2.3083-02	4.0803+04	5.6220-04	2.4660+00
53	464.58	1.0681+01	1.7561+00	4.8448-03	1.7561+00	4.8448-03	1.0076-03	5.1226-02	9.0549+04	1.2457-03	3.0090+00
54	449.89	8.7148+00	1.4016+00	3.8295-03	1.4016+00	3.8295-03	7.9644-04	4.0490-02	7.1572+04	9.8398-04	3.3930+00
55	447.75	8.1039+00	1.2777+00	3.4860-03	1.2777+00	3.4860-03	7.2502-04	3.6859-02	6.5153+04	8.9565-04	3.7770+00
56	459.57	4.0369+00	6.2373-01	1.7151-03	6.2373-01	1.7151-03	3.5670-04	1.8134-02	3.2055+04	4.4089-04	4.1100-01
57	464.28	1.6064+01	2.5930+00	7.1524-03	2.5930+00	7.1524-03	1.4875-03	7.5624-02	1.3368+05	1.8390-03	7.1100-01
58	495.94	8.9150+01	1.5053+01	4.2413-02	1.5053+01	4.2413-02	8.8209-03	4.4845-01	7.9269+05	1.0921-02	1.0880+00
59	547.33	1.6306+02	2.8517+01	8.3255-02	2.8517+01	8.3255-02	1.7315-02	8.8029-01	1.5560+06	2.1491-02	1.3070+00
60	514.10	9.8825+01	1.6982+01	4.8445-02	1.6982+01	4.8445-02	1.0076-02	5.1223-01	9.0543+05	1.2485-02	1.6410+00
61	458.21	5.5881+00	9.1205-01	2.5057-03	9.1205-01	2.5057-03	5.2112-04	2.6493-02	4.6830+04	6.4408-04	3.0090+00
62	446.27	6.3423+00	1.0175+00	2.7734-03	1.0175+00	2.7734-03	5.7681-04	2.9325-02	5.1835+04	7.1252-04	3.3930+00
63	448.10	5.6982+00	8.9859-01	2.4523-03	8.9859-01	2.4523-03	5.1003-04	2.5929-02	4.5834+04	6.3008-04	3.7770+00
64	495.24	8.7721+01	1.5114+01	4.2566-02	1.5114+01	4.2566-02	8.8527-03	4.5006-01	7.9554+05	1.0960-02	1.0880+00
65	548.28	1.6363+02	2.9143+01	8.5140-02	2.9143+01	8.5140-02	1.7707-02	9.0021-01	1.5912+06	2.1978-02	1.3070+00
66	512.51	9.9244+01	1.7290+01	4.9269-02	1.7290+01	4.9269-02	1.0247-02	5.2093-01	9.2082+05	1.2697-02	1.6410+00
69	455.33	5.8031+00	9.7377-01	2.6702-03	9.7377-01	2.6702-03	5.5534-04	2.8233-02	4.9905+04	6.8627-04	4.1100-01
70	456.29	1.4720+01	2.4717+00	6.7818-03	2.4717+00	6.7818-03	1.4105-03	7.1706-02	1.2675+05	1.7431-03	7.1100-01
71	555.58	1.6086+02	2.8692+01	8.4256-02	2.8692+01	8.4256-02	1.7523-02	8.9086-01	1.5747+06	2.1758-02	1.3070+00
72	517.74	9.9522+01	1.7395+01	4.9749-02	1.7395+01	4.9749-02	1.0347-02	5.2601-01	9.2979+05	1.2823-02	1.6410+00
73	463.72	7.6229+00	1.2375+00	3.4122-03	1.2375+00	3.4122-03	7.0966-04	3.6078-02	6.3774+04	8.7733-04	3.7770+00
74	480.46	5.7538+00	9.5890-01	2.6737-03	9.5890-01	2.6737-03	5.5607-04	2.8270-02	4.9971+04	6.8798-04	5.3230+00
77	471.80	8.0831+00	1.3594+00	3.7686-03	1.3594+00	3.7686-03	7.8379-04	3.9847-02	7.0435+04	9.6933-04	3.0090+00
78	460.16	8.7631+00	1.4451+00	3.9752-03	1.4451+00	3.9752-03	8.2676-04	4.2032-02	7.4296+04	1.0219-03	3.3930+00
79	459.67	8.2914+00	1.3424+00	3.6915-03	1.3424+00	3.6915-03	7.6774-04	3.9031-02	6.8993+04	9.4895-04	3.7770+00
80	528.02	1.2210+01	2.1542+00	6.2049-03	2.1542+00	6.2049-03	1.2905-03	6.5606-02	1.1597+05	1.6002-03	2.4660+00
81	481.36	6.5948+00	1.1162+00	3.1141-03	1.1162+00	3.1141-03	6.4767-04	3.2927-02	5.8202+04	8.0134-04	3.0090+00
82	464.24	8.1273+00	1.3479+00	3.7180-03	1.3479+00	3.7180-03	7.7327-04	3.9312-02	6.9489+04	9.5598-04	3.3930+00
83	456.61	6.1730+00	1.0095+00	2.7704-03	1.0095+00	2.7704-03	5.7617-04	2.9292-02	5.1777+04	7.1207-04	3.7770+00
337	545.96	3.1766+01	6.1950+00	1.8069-02	6.1950+00	1.8069-02	3.7579-03	1.9105-01	3.3770+05	4.6638-03	7.1680+00
339	546.39	1.4178+01	2.8247+00	8.2413-03	2.8247+00	8.2413-03	1.7140-03	8.7138-02	1.5403+05	2.1272-03	8.1130+00
340	501.85	4.0857+00	7.7519-01	2.1929-03	7.7519-01	2.1929-03	4.5608-04	2.3187-02	4.0986+04	5.6484-04	8.6180+00
342	548.82	3.2178+01	6.4872+00	1.8959-02	6.4872+00	1.8959-02	3.9431-03	2.0046-01	3.5435+05	4.8944-03	7.1680+00
344	538.65	1.6098+01	3.2088+00	9.3113-03	3.2088+00	9.3113-03	1.9365-03	9.8451-02	1.7403+05	2.4025-03	8.1130+00
347	524.20	2.8284+01	5.4427+00	1.5635-02	5.4427+00	1.5635-02	3.2517-03	1.6532-01	2.9222+05	4.0314-03	7.1680+00
349	512.62	1.8970+01	3.7109+00	1.0575-02	3.7109+00	1.0575-02	2.1995-03	1.1182-01	1.9765+05	2.7253-03	8.1130+00
350	482.36	4.7496+00	8.4000-01	2.3451-03	8.4000-01	2.3451-03	4.8773-04	2.4796-02	4.3830+04	6.0349-04	8.6180+00
352	518.47	3.9900+01	7.4668+00	2.1365-02	7.4668+00	2.1365-02	4.4434-03	2.2590-01	3.9931+05	5.5074-03	7.1680+00
354	502.42	2.1592+01	4.1856+00	1.1845-02	4.1856+00	1.1845-02	2.4636-03	1.2524-01	2.2139+05	3.0511-03	8.1130+00
357	521.14	3.6561+01	6.8346+00	1.9592-02	6.8346+00	1.9592-02	4.0747-03	2.0715-01	3.6617+05	5.0510-03	7.1680+00
359	509.38	2.4734+01	4.5016+00	1.2800-02	4.5016+00	1.2800-02	2.6622-03	1.3534-01	2.3923+05	3.2981-03	8.1130+00
401	468.53	1.2408+01	1.0381+00	2.8715-03	1.0381+00	2.8715-03	5.9721-04	3.0362-02	5.3668+04	7.3847-04	4.5500-01
403	476.97	1.8759+01	1.5596+00	4.3384-03	1.5596+00	4.3384-03	9.0229-04	4.5871-02	8.1084+04	1.1161-03	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.2734-06	-5.6975-03	-4.2734-06	-8.8878-07	-4.5184-05	-7.9869+01	-9.4465-07	8.0100-01
405	517.22	6.9050+01	5.8914+00	1.6843-02	5.8914+00	1.6843-02	3.5029-03	1.7808-01	3.1479+05	4.3414-03	1.0510+00
406	529.94	1.1186+02	9.6781+00	2.7913-02	9.6781+00	2.7913-02	5.8053-03	2.9513-01	5.2169+05	7.1992-03	1.1670+00
407	584.27	1.9411+02	1.7657+01	5.2929-02	1.7657+01	5.2929-02	1.1008-02	5.5964-01	9.8924+05	1.3688-02	1.2830+00
408	470.88	1.6307+01	1.3341+00	3.6960-03	1.3341+00	3.6960-03	7.6868-04	3.9079-02	6.9077+04	9.5060-04	5.1300-01
409	469.83	1.9171+01	1.5958+00	4.4179-03	1.5958+00	4.4179-03	9.1883-04	4.6712-02	8.2570+04	1.1362-03	5.7000-01
410	473.04	2.1141+01	1.7005+00	4.7181-03	1.7005+00	4.7181-03	9.8127-04	4.9886-02	8.8181+04	1.2136-03	6.2800-01
411	476.43	2.5711+01	2.1496+00	5.9774-03	2.1496+00	5.9774-03	1.2432-03	6.3201-02	1.1172+05	1.5378-03	6.8600-01
412	479.96	2.1913+01	1.8254+00	5.0880-03	1.8254+00	5.0880-03	1.0582-03	5.3797-02	9.5094+04	1.3092-03	7.4400-01
413	486.49	3.6005+01	3.0482+00	8.5338-03	3.0482+00	8.5338-03	1.7748-03	9.0231-02	1.5949+05	2.1965-03	8.0100-01
414	489.09	3.8874+01	3.2576+00	9.1361-03	3.2576+00	9.1361-03	1.9001-03	9.6599-02	1.7075+05	2.3518-03	8.5900-01
415	496.23	4.7897+01	4.0566+00	1.1432-02	4.0566+00	1.1432-02	2.3776-03	1.2087-01	2.1366+05	2.9437-03	9.1700-01
416	473.94	2.0413+01	1.5821+00	4.3921-03	1.5821+00	4.3921-03	9.1346-04	4.6439-02	8.2088+04	1.1298-03	5.7000-01
417	510.38	6.9200+01	5.8788+00	1.6728-02	5.8788+00	1.6728-02	3.4790-03	1.7667-01	3.1264+05	4.3104-03	1.0520+00

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45 1 12.00 -.00 .00 -.00 402 11 2.15 10.18 1660.0 1875.5

9.07825+01 3.40048-02 2.46707+00 4.75301+03 3.14268-05 7.35338-08 1.70418-01 7.72000+00 7.67433-06 7.39714-02

1	456.96	7.1470+00	1.2006+00	3.2966-03	1.2006+00	3.2966-03	6.8595-04	3.4856-02	6.1563+04	8.4638-04	4.1100-01
2	455.65	1.4312+01	2.4020+00	6.5897-03	2.4020+00	6.5897-03	1.3712-03	6.9675-02	1.2306+05	1.6918-03	7.1100-01
3	583.98	1.6698+02	3.0374+01	9.1058-02	3.0374+01	9.1058-02	1.8947-02	9.6278-01	1.7005+06	2.3518-02	1.3070+00
4	540.31	1.0364+02	1.8370+01	5.3382-02	1.8370+01	5.3382-02	1.1108-02	5.6443-01	9.9691+05	1.3759-02	1.6410+00
5	498.45	4.2860+01	7.7464+00	2.1869-02	7.7464+00	2.1869-02	4.5505-03	2.3123-01	4.0840+05	5.6254-03	1.7720+00
6	529.09	1.2237+01	2.1225+00	6.1199-03	2.1225+00	6.1199-03	1.2734-03	6.4707-02	1.1429+05	1.5765-03	2.4660+00
7	485.79	4.2504+00	7.1509-01	2.0016-03	7.1509-01	2.0016-03	4.1649-04	2.1164-02	3.7380+04	5.1457-04	3.0090+00
8	466.56	6.4203+00	1.0570+00	2.9207-03	1.0570+00	2.9207-03	6.0773-04	3.0881-02	5.4543+04	7.5019-04	3.3930+00
9	457.14	6.0712+00	9.9316-01	2.7273-03	9.9316-01	2.7273-03	5.6750-04	2.8837-02	5.0932+04	7.0023-04	3.7770+00
10	473.78	4.0613+00	6.7386-01	1.8710-03	6.7386-01	1.8710-03	3.8932-04	1.9783-02	3.4941+04	4.8074-04	5.3230+00
14	492.50	6.8253+01	1.1739+01	3.3008-02	1.1739+01	3.3008-02	6.8682-03	3.4900-01	6.1642+05	8.4883-03	1.0880+00
15	574.96	1.6838+02	3.0468+01	9.0745-02	3.0468+01	9.0745-02	1.8882-02	9.5947-01	1.6946+06	2.3427-02	1.3070+00
16	524.29	9.9925+01	1.7537+01	5.0396-02	1.7537+01	5.0396-02	1.0486-02	5.3286-01	9.4114+05	1.2979-02	1.6410+00
19	464.41	5.0904+00	7.8153-01	2.1565-03	7.8153-01	2.1565-03	4.4873-04	2.2802-02	4.0273+04	5.5386-04	4.1100-01
20	467.25	1.4878+01	2.3990+00	6.6323-03	2.3990+00	6.6323-03	1.3800-03	7.0125-02	1.2386+05	1.7036-03	7.1100-01
21	502.85	8.2119+01	1.3761+01	3.8967-02	1.3761+01	3.8967-02	8.1081-03	4.1201-01	7.2770+05	1.0026-02	1.0880+00
22	570.76	1.6465+02	2.8939+01	8.5932-02	2.8939+01	8.5932-02	1.7881-02	9.0859-01	1.6048+06	2.2180-02	1.3070+00
23	971.22	9.4026-02	1.9589-02	8.2002-05	1.9589-02	8.2002-05	1.7063-05	8.6704-04	1.5314+03	2.1662-05	1.6410+00
24	481.77	7.6982+00	1.2802+00	3.5737-03	1.2802+00	3.5737-03	7.4361-04	3.7786-02	6.6738+04	9.1856-04	3.0090+00
25	471.54	7.7642+00	1.2517+00	3.4702-03	1.2517+00	3.4702-03	7.2207-04	3.6691-02	6.4805+04	8.9154-04	3.3930+00
26	465.45	7.9569+00	1.2854+00	3.5492-03	1.2854+00	3.5492-03	7.3852-04	3.7527-02	6.6282+04	9.1160-04	3.7770+00
27	466.97	1.4651+01	2.3620+00	6.5286-03	2.3620+00	6.5286-03	1.3585-03	6.9029-02	1.2192+05	1.6770-03	7.1100-01
28	506.58	8.5897+01	1.4429+01	4.0961-02	1.4429+01	4.0961-02	8.5230-03	4.3309-01	7.6494+05	1.0540-02	1.0880+00
29	591.27	1.6281+02	2.9217+01	8.8056-02	2.9217+01	8.8056-02	1.8323-02	9.3104-01	1.6444+06	2.2751-02	1.3070+00
30	524.53	9.6848+01	1.6751+01	4.8146-02	1.6751+01	4.8146-02	1.0018-02	5.0906-01	8.9912+05	1.2400-02	1.6410+00
31	491.57	4.4495+01	7.6484+00	2.1492-02	7.6484+00	2.1492-02	4.4720-03	2.2724-01	4.0136+05	5.5266-03	1.7720+00
32	518.22	1.4926+01	2.5715+00	7.3586-03	2.5715+00	7.3586-03	1.5312-03	7.7805-02	1.3742+05	1.8946-03	2.4660+00
33	475.58	5.6322+00	9.4682-01	2.6321-03	9.4682-01	2.6321-03	5.4768-04	2.7830-02	4.9154+04	6.7635-04	3.0090+00
34	461.59	6.6369+00	1.0890+00	2.9992-03	1.0890+00	2.9992-03	6.2407-04	3.1712-02	5.6010+04	7.7020-04	3.3930+00
35	456.17	5.8873+00	9.2198-01	2.5302-03	9.2198-01	2.5302-03	5.2648-04	2.6753-02	4.7252+04	6.4960-04	3.7770+00
36	602.39	1.7187+02	3.0670+01	9.3191-02	3.0670+01	9.3191-02	1.9391-02	9.8534-01	1.7403+06	2.4091-02	1.3070+00
37	524.63	2.2237+01	3.8921+00	1.1187-02	3.8921+00	1.1187-02	2.3278-03	1.1829-01	2.0892+05	2.8812-03	2.4660+00
38	470.86	5.8701+00	9.6918-01	2.6858-03	9.6918-01	2.6858-03	5.5885-04	2.8398-02	5.0157+04	6.8999-04	3.0090+00
39	455.37	7.8816+00	1.2800+00	3.5110-03	1.2800+00	3.5110-03	7.3056-04	3.7123-02	6.5567+04	9.0136-04	3.3930+00
40	452.33	6.9288+00	1.1128+00	3.0462-03	1.1128+00	3.0462-03	6.3385-04	3.2208-02	5.6887+04	7.8193-04	3.7770+00
41	456.64	6.1288+00	9.6614-01	2.6522-03	9.6614-01	2.6522-03	5.5187-04	2.8043-02	4.9530+04	6.8094-04	4.1620+00
43	471.71	5.1029+00	8.5563-01	2.3725-03	8.5563-01	2.3725-03	4.9366-04	2.5085-02	4.4306+04	6.0953-04	5.3230+00
47	468.16	1.6005+01	2.6060+00	7.2087-03	2.6060+00	7.2087-03	1.5000-03	7.6220-02	1.3462+05	1.8517-03	7.1100-01
48	521.94	9.1068+01	1.5633+01	4.4851-02	1.5633+01	4.4851-02	9.3324-03	4.7422-01	8.3758+05	1.1550-02	1.0880+00
49	574.40	1.6143+02	2.8775+01	8.5668-02	2.8775+01	8.5668-02	1.7826-02	9.0580-01	1.5998+06	2.2116-02	1.3070+00
50	535.18	9.3146+01	1.6314+01	4.7237-02	1.6314+01	4.7237-02	9.8289-03	4.9945-01	8.8214+05	1.2172-02	1.6410+00
51	498.75	4.4492+01	7.6835+00	2.1696-02	7.6835+00	2.1696-02	4.5145-03	2.2940-01	4.0517+05	5.5810-03	1.7720+00
52	498.14	4.4587+00	7.6968-01	2.1725-03	7.6968-01	2.1725-03	4.5204-04	2.2970-02	4.0570+04	5.5882-04	2.4660+00
53	467.29	1.0991+01	1.8103+00	5.0047-03	1.8103+00	5.0047-03	1.0414-03	5.2917-02	9.3463+04	1.2855-03	3.0090+00
54	451.98	8.5294+00	1.3737+00	3.7595-03	1.3737+00	3.7595-03	7.8227-04	3.9750-02	7.0208+04	9.6501-04	3.3930+00
55	449.73	7.7574+00	1.2247+00	3.3467-03	1.2247+00	3.3467-03	6.9638-04	3.5386-02	6.2500+04	8.5898-04	3.7770+00
56	460.74	4.2213+00	6.5273-01	1.7967-03	6.5273-01	1.7967-03	3.7386-04	1.8998-02	3.3554+04	4.6138-04	4.1100-01
57	468.52	1.6670+01	2.6984+00	7.4661-03	2.6984+00	7.4661-03	1.5535-03	7.8942-02	1.3943+05	1.9179-03	7.1100-01
58	519.77	9.2992+01	1.5941+01	4.5668-02	1.5941+01	4.5668-02	9.5024-03	4.8286-01	8.5284+05	1.1759-02	1.0880+00
59	586.70	1.5507+02	2.7755+01	8.3371-02	2.7755+01	8.3371-02	1.7348-02	8.8151-01	1.5569+06	2.1536-02	1.3070+00
60	538.29	9.5828+01	1.6716+01	4.8508-02	1.6716+01	4.8508-02	1.0093-02	5.1289-01	9.0588+05	1.2501-02	1.6410+00
61	459.56	5.5226+00	9.0219-01	2.4815-03	9.0219-01	2.4815-03	5.1634-04	2.6237-02	4.6341+04	6.3718-04	3.0090+00
62	447.83	6.3070+00	1.0129+00	2.7645-03	1.0129+00	2.7645-03	5.7523-04	2.9230-02	5.1627+04	7.0948-04	3.3930+00
63	449.50	5.5735+00	8.7977-01	2.4038-03	8.7977-01	2.4038-03	5.0018-04	2.5416-02	4.4891+04	6.1696-04	3.7770+00
64	518.64	9.1437+01	1.5991+01	4.5774-02	1.5991+01	4.5774-02	9.5246-03	4.8399-01	8.5483+05	1.1786-02	1.0880+00
65	587.84	1.5607+02	2.8453+01	8.5538-02	2.8453+01	8.5538-02	1.7799-02	9.0442-01	1.5974+06	2.2097-02	1.3070+00
66	536.77	9.6134+01	1.7003+01	4.9287-02	1.7003+01	4.9287-02	1.0255-02	5.2112-01	9.2042+05	1.2701-02	1.6410+00
69	456.84	5.9875+00	1.0057+00	2.7613-03	1.0057+00	2.7613-03	5.7457-04	2.9197-02	5.1568+04	7.0895-04	4.1100-01
70	460.18	1.5426+01	2.5970+00	7.1460-03	2.5970+00	7.1460-03	1.4869-03	7.5557-02	1.3345+05	1.8350-03	7.1100-01
71	594.27	1.5300+02	2.7913+01	8.4310-02	2.7913+01	8.4310-02	1.7543-02	8.9144-01	1.5745+06	2.1786-02	1.3070+00
72	541.84	9.5416+01	1.6928+01	4.9244-02	1.6928+01	4.9244-02	1.0247-02	5.2068-01	9.1963+05	1.2693-02	1.6410+00
73	465.47	7.1403+00	1.1605+00	3.2045-03	1.1605+00	3.2045-03	6.6679-04	3.3883-02	5.9844+04	8.2306-04	3.7770+00
74	481.59	4.9081+00	8.1857-01	2.2848-03	8.1857-01	2.2848-03	4.7541-04	2.4157-02	4.2668+04	5.8725-04	5.3230+00
77	473.85	8.1995+00	1.3869+00	3.8344-03	1.3869+00	3.8344-03	7.9785-04	4.0542-02	7.1607+04	9.8521-04	3.0090+00
78	462.39	8.8514+00	1.4618+00	4.0283-03	1.4618+00	4.0283-03	8.3821-04	4.2593-02	7.5229+04	1.0345-03	3.3930+00
79	461.75	8.3345+00	1.3512+00	3.7220-03	1.3512+00	3.7220-03	7.7446-04	3.9354-02	6.9508+04	9.5581-04	3.7770+00
80	531.20	1.3057+01	2.3082+00	6.6649-03	2.3082+00	6.6649-03	1.3868-03	7.0470-02	1.2447+05	1.7170-03	2.4660+00
81	483.06	6.8452+00	1.1599+00	3.2405-03	1.1599+00	3.2405-03	6.7429-04	3.4263-02	6.0517+04	8.3298-04	3.0090+00
82	466.25	8.0166+00	1.3314+00	3.6782-03	1.3314+00	3.6782-03	7.6536-04	3.8891-02	6.8691+04	9.4476-04	3.3930+00
83	458.17	6.1719+00	1.0103+00	2.7764-03	1.0103+00	2.7764-03	5.7771-04	2.9356-02	5.1849+04	7.1286-04	3.7770+00
337	553.83	3.1397+01	6.1522+00	1.8049-02	6.1522+00	1.8049-02	3.7556-03	1.9084-01	3.3707+05	4.6549-03	7.1680+00
339	549.98	1.4434+01	2.8820+00	8.4321-03	2.8820+00	8.4321-03	1.7545-03	8.9155-02	1.5747+05	2.1742-03	8.1130+00
340	502.86	4.1138+00	7.8102-01	2.2116-03	7.8102-01	2.2116-03	4.6018-04	2.3384-02	4.1301+04	5.6900-04	8.6180+00
342	556.80	3.1775+01	6.4367+00	1.8924-02	6.4367+00	1.8924-02	3.9376-03	2.0009-01	3.5340+05	4.8812-03	7.1680+00
344	542.68	1.6033+01	3.2037+00	9.3252-03	3.2037+00	9.3252-03	1.9404-03	9.8598-02	1.7415+05	2.4037-03	8.1130+00
347	530.92	2.7231+01	5.2618+00	1.5191-02	5.2618+00	1.5191-02	3.1609-03	1.6062-01	2.8368+05	3.9134-03	7.1680+00
349	517.08	1.7942+01	3.5197+00	1.0064-02	3.5197+00	1.0064-02	2.0941-03	1.0641-01	1.8795+05	2.5911-03	8.1130+00
350	483.47	4.5964+00	8.1349-01	2.2735-03	8.1349-01	2.2735-03	4.7306-04	2.4038-02	4.2457+04	5.8440-04	8.6180+00
352	526.96	3.4536+01	6.4974+00	1.8706-02	6.4974+00	1.8706-02	3.8923-03	1.9778-01	3.4933+05	4.8181-03	7.1680+00
354	506.85	1.7864+01	3.4728+00	9.8606-03	3.4728+00	9.8606-03	2.0518-03	1.0426-01	1.8414+05	2.5374-03	8.1130+00
357	528.85	3.1164+01	5.8537+00	1.6875-02	5.8537+00	1.6875-02	3.5113-03	1.7842-01	3.1514+05	4.3469-03	7.1680+00
359	514.41	1.9671+01	3.5916+00	1.0251-02	3.5916+00	1.0251-02	2.1330-03	1.0839-01	1.9144+05	2.6388-03	8.1130+00
401	471.66	1.2477+01	1.0460+00	2.9002-03	1.0460+00	2.9002-03	6.0348-04	3.0665-02	5.4162+04	7.4512-04	4.5500-01
403	481.73	1.9068+01	1.5902+00	4.4389-03	1.5902+00	4.4389-03	9.2364-04	4.6934-02	8.2896+04	1.1409-03	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0029-10	-4.0033-07	-3.0029-10	-6.2483-11	-3.1750-09	-5.6078-03	-6.6361-11	8.0100-01
405	534.86	7.0294+01	6.0636+00	1.7554-02	6.0636+00	1.7554-02	3.6525-03	1.8560-01	3.2781+05	4.5230-03	1.0510+00
406	559.23	1.1748+02	1.0346+01	3.0469-02	1.0346+01	3.0469-02	6.3399-03	3.2216-01	5.6900+05	7.8600-03	1.1670+00
407	633.45	1.9010+02	1.7775+01	5.5275-02	1.7775+01	5.5275-02	1.1502-02	5.8444-01	1.0323+06	1.4312-02	1.2830+00
408	475.06	1.6725+01	1.3721+00	3.8130-03	1.3721+00	3.8130-03	7.9340-04	4.0316-02	7.1207+04	9.7976-04	5.1300-01
409	474.70	1.9464+01	1.6254+00	4.5160-03	1.6254+00	4.5160-03	9.3968-04	4.7749-02	8.4336+04	1.1604-03	5.7000-01
410	478.42	2.1425+01	1.7296+00	4.8172-03	1.7296+00	4.8172-03	1.0024-03	5.0934-02	8.9961+04	1.2380-03	6.2800-01
411	483.01	2.6155+01	2.1962+00	6.1358-03	2.1962+00	6.1358-03	1.2767-03	6.4876-02	1.1459+05	1.5772-03	6.8600-01
412	485.58	2.2490+01	1.8804+00	5.2626-03	1.8804+00	5.2626-03	1.0950-03	5.5643-02	9.8278+04	1.3529-03	7.4400-01
413	495.65	3.6255+01	3.0877+00	8.7004-03	3.0877+00	8.7004-03	1.8104-03	9.1992-02	1.6248+05	2.2377-03	8.0100-01
414	498.86	3.9494+01	3.3306+00	9.4054-03	3.3306+00	9.4054-03	1.9571-03	9.9446-02	1.7564+05	2.4194-03	8.5900-01
415	508.35	4.8393+01	4.1305+00	1.1740-02	4.1305+00	1.1740-02	2.4429-03	1.2413-01	2.1924+05	3.0213-03	9.1700-01
416	479.15	2.0884+01	1.6242+00	4.5259-03	1.6242+00	4.5259-03	9.4174-04	4.7854-02	8.4521+04	1.1632-03	5.7000-01
417	528.03	7.1933+01	6.1790+00	1.7803-02	6.1790+00	1.7803-02	3.7043-03	1.8823-01	3.3246+05	4.5857-03	1.0520+00

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45 1 12.00 -.00 .00 -.00 402 11 2.40 10.18 1660.0 1875.5

9.07825+01 3.40048-02 2.46707+00 4.75301+03 3.14268-05 7.35338-08 1.70418-01 7.72000+00 7.67433-06 7.39714-02

1	458.74	6.9906+00	1.1758+00	3.2326-03	1.1758+00	3.2326-03	6.7263-04	3.4179-02	6.0368+04	8.2990-04	4.1100-01
2	459.35	1.4866+01	2.5013+00	6.8799-03	2.5013+00	6.8799-03	1.4316-03	7.2744-02	1.2848+05	1.7663-03	7.1100-01
3	624.53	1.5982+02	2.9742+01	9.1883-02	2.9742+01	9.1883-02	1.9119-02	9.7151-01	1.7159+06	2.3776-02	1.3070+00
4	565.85	1.0071+02	1.8126+01	5.3641-02	1.8126+01	5.3641-02	1.1162-02	5.6717-01	1.0017+06	1.3840-02	1.6410+00
5	509.33	4.3759+01	7.9641+00	2.2655-02	7.9641+00	2.2655-02	4.7139-03	2.3953-01	4.2307+05	5.8296-03	1.7720+00
6	532.29	1.3147+01	2.2849+00	6.6037-03	2.2849+00	6.6037-03	1.3741-03	6.9823-02	1.2332+05	1.7011-03	2.4660+00
7	486.89	4.4826+00	7.5470-01	2.1143-03	7.5470-01	2.1143-03	4.3994-04	2.2355-02	3.9485+04	5.4350-04	3.0090+00
8	468.14	6.3548+00	1.0473+00	2.8974-03	1.0473+00	2.8974-03	6.0289-04	3.0635-02	5.4109+04	7.4417-04	3.3930+00
9	458.65	6.0416+00	9.8933-01	2.7199-03	9.8933-01	2.7199-03	5.6595-04	2.8758-02	5.0793+04	6.9827-04	3.7770+00
10	474.78	4.0120+00	6.6611-01	1.8510-03	6.6611-01	1.8510-03	3.8515-04	1.9571-02	3.4567+04	4.7555-04	5.3230+00
14	510.12	6.9564+01	1.2101+01	3.4440-02	1.2101+01	3.4440-02	7.1662-03	3.6415-01	6.4316+05	8.8626-03	1.0880+00
15	615.79	1.6066+02	2.9755+01	9.1327-02	2.9755+01	9.1327-02	1.9003-02	9.6563-01	1.7055+06	2.3621-02	1.3070+00
16	548.89	9.7371+01	1.7349+01	5.0727-02	1.7349+01	5.0727-02	1.0555-02	5.3636-01	9.4732+05	1.3078-02	1.6410+00
19	465.65	5.0447+00	7.7516-01	2.1410-03	7.7516-01	2.1410-03	4.4549-04	2.2637-02	3.9983+04	5.4983-04	4.1100-01
20	471.08	1.5219+01	2.4603+00	6.8199-03	2.4603+00	6.8199-03	1.4191-03	7.2109-02	1.2736+05	1.7518-03	7.1100-01
21	524.09	8.3315+01	1.4150+01	4.0663-02	1.4150+01	4.0663-02	8.4611-03	4.2995-01	7.5938+05	1.0471-02	1.0880+00
22	610.71	1.5754+02	2.8328+01	8.6620-02	2.8328+01	8.6620-02	1.8024-02	9.1586-01	1.6176+06	2.2398-02	1.3070+00
23	971.26	1.1584-01	2.4134-02	1.0105-04	2.4134-02	1.0105-04	2.1027-05	1.0685-03	1.8872+03	2.6690-05	1.6410+00
24	483.72	7.8862+00	1.3132+00	3.6710-03	1.3132+00	3.6710-03	7.6386-04	3.8815-02	6.8556+04	9.4353-04	3.0090+00
25	473.51	7.7829+00	1.2563+00	3.4882-03	1.2563+00	3.4882-03	7.2581-04	3.6881-02	6.5141+04	8.9611-04	3.3930+00
26	467.44	7.9439+00	1.2850+00	3.5534-03	1.2850+00	3.5534-03	7.3938-04	3.7571-02	6.6359+04	9.1262-04	3.7770+00
27	470.66	1.4675+01	2.3716+00	6.5722-03	2.3716+00	6.5722-03	1.3675-03	6.9490-02	1.2274+05	1.6882-03	7.1100-01
28	528.82	8.6885+01	1.4800+01	4.2670-02	1.4800+01	4.2670-02	8.8787-03	4.5116-01	7.9686+05	1.0990-02	1.0880+00
29	631.03	1.5614+02	2.8648+01	8.8938-02	2.8648+01	8.8938-02	1.8506-02	9.4037-01	1.6609+06	2.3021-02	1.3070+00
30	548.36	9.4329+01	1.6556+01	4.8390-02	1.6556+01	4.8390-02	1.0069-02	5.1165-01	9.0368+05	1.2475-02	1.6410+00
31	502.86	4.5227+01	7.8308+00	2.2177-02	7.8308+00	2.2177-02	4.6146-03	2.3449-01	4.1416+05	5.7050-03	1.7720+00
32	522.09	1.5692+01	2.7101+00	7.7773-03	2.7101+00	7.7773-03	1.6183-03	8.2231-02	1.4524+05	2.0025-03	2.4660+00
33	477.01	5.8712+00	9.8793-01	2.7494-03	9.8793-01	2.7494-03	5.7209-04	2.9070-02	5.1344+04	7.0644-04	3.0090+00
34	463.25	6.7003+00	1.1006+00	3.0350-03	1.1006+00	3.0350-03	6.3152-04	3.2090-02	5.6679+04	7.7934-04	3.3930+00
35	457.63	5.8519+00	9.1736-01	2.5203-03	9.1736-01	2.5203-03	5.2442-04	2.6648-02	4.7066+04	6.4700-04	3.7770+00
36	644.55	1.6409+02	2.9967+01	9.3988-02	2.9967+01	9.3988-02	1.9557-02	9.9377-01	1.7552+06	2.4345-02	1.3070+00
37	530.18	2.1976+01	3.8596+00	1.1138-02	3.8596+00	1.1138-02	2.3176-03	1.1777-01	2.0801+05	2.8690-03	2.4660+00
38	472.36	5.9377+00	9.8131-01	2.7225-03	9.8131-01	2.7225-03	5.6649-04	2.8786-02	5.0842+04	6.9937-04	3.0090+00
39	457.42	7.8047+00	1.2693+00	3.4868-03	1.2693+00	3.4868-03	7.2552-04	3.6867-02	6.5115+04	8.9511-04	3.3930+00
40	454.04	6.9621+00	1.1194+00	3.0682-03	1.1194+00	3.0682-03	6.3843-04	3.2441-02	5.7299+04	7.8754-04	3.7770+00
41	458.19	6.1195+00	9.6567-01	2.6540-03	9.6567-01	2.6540-03	5.5224-04	2.8062-02	4.9564+04	6.8135-04	4.1620+00
43	472.97	5.0286+00	8.4388-01	2.3422-03	8.4388-01	2.3422-03	4.8735-04	2.4765-02	4.3740+04	6.0169-04	5.3230+00
47	472.19	1.6048+01	2.6200+00	7.2681-03	2.6200+00	7.2681-03	1.5123-03	7.6847-02	1.3573+05	1.8671-03	7.1100-01
48	544.69	8.9020+01	1.5497+01	4.5178-02	1.5497+01	4.5178-02	9.4005-03	4.7768-01	8.4369+05	1.1645-02	1.0880+00
49	613.62	1.5440+02	2.8143+01	8.6238-02	2.8143+01	8.6238-02	1.7944-02	9.1182-01	1.6105+06	2.2303-02	1.3070+00
50	558.12	9.0699+01	1.6107+01	4.7406-02	1.6107+01	4.7406-02	9.8641-03	5.0124-01	8.8530+05	1.2227-02	1.6410+00
51	510.01	4.5043+01	7.8346+00	2.2297-02	7.8346+00	2.2297-02	4.6394-03	2.3575-01	4.1639+05	5.7377-03	1.7720+00
52	499.28	4.6296+00	7.9977-01	2.2595-03	7.9977-01	2.2595-03	4.7014-04	2.3890-02	4.2195+04	5.8114-04	2.4660+00
53	470.04	1.1163+01	1.8420+00	5.1024-03	1.8420+00	5.1024-03	1.0617-03	5.3949-02	9.5286+04	1.3106-03	3.0090+00
54	454.08	8.6442+00	1.3942+00	3.8214-03	1.3942+00	3.8214-03	7.9514-04	4.0404-02	7.1363+04	9.8085-04	3.3930+00
55	451.62	7.6930+00	1.2161+00	3.3278-03	1.2161+00	3.3278-03	6.9245-04	3.5186-02	6.2147+04	8.5408-04	3.7770+00
56	461.69	4.1429+00	6.4102-01	1.7658-03	6.4102-01	1.7658-03	3.6743-04	1.8671-02	3.2977+04	4.5341-04	4.1100-01
57	472.69	1.6501+01	2.6786+00	7.4330-03	2.6786+00	7.4330-03	1.5466-03	7.8591-02	1.3881+05	1.9095-03	7.1100-01
58	543.00	9.1292+01	1.5876+01	4.6229-02	1.5876+01	4.6229-02	9.6192-03	4.8879-01	8.6332+05	1.1915-02	1.0880+00
59	624.65	1.4909+02	2.7260+01	8.4222-02	2.7260+01	8.4222-02	1.7525-02	8.9051-01	1.5728+06	2.1793-02	1.3070+00
60	561.94	9.3410+01	1.6528+01	4.8778-02	1.6528+01	4.8778-02	1.0150-02	5.1574-01	9.1091+05	1.2583-02	1.6410+00
61	460.95	5.5870+00	9.1357-01	2.5154-03	9.1357-01	2.5154-03	5.2340-04	2.6596-02	4.6975+04	6.4585-04	3.0090+00
62	449.46	6.2551+00	1.0057+00	2.7481-03	1.0057+00	2.7481-03	5.7182-04	2.9057-02	5.1321+04	7.0523-04	3.3930+00
63	450.87	5.2857+00	8.3513-01	2.2842-03	8.3513-01	2.2842-03	4.7529-04	2.4152-02	4.2657+04	5.8622-04	3.7770+00
64	541.50	8.9964+01	1.5957+01	4.6417-02	1.5957+01	4.6417-02	9.6583-03	4.9078-01	8.6682+05	1.1962-02	1.0880+00
65	626.09	1.5028+02	2.7990+01	8.6573-02	2.7990+01	8.6573-02	1.8014-02	9.1536-01	1.6167+06	2.2403-02	1.3070+00
66	560.46	9.3588+01	1.6791+01	4.9500-02	1.6791+01	4.9500-02	1.0300-02	5.2338-01	9.2441+05	1.2768-02	1.6410+00
69	458.35	5.9964+00	1.0083+00	2.7714-03	1.0083+00	2.7714-03	5.7666-04	2.9302-02	5.1755+04	7.1148-04	4.1100-01
70	464.06	1.5495+01	2.6155+00	7.2163-03	2.6155+00	7.2163-03	1.5016-03	7.6300-02	1.3476+05	1.8531-03	7.1100-01
71	631.81	1.4762+02	2.7501+01	8.5427-02	2.7501+01	8.5427-02	1.7776-02	9.0325-01	1.5953+06	2.2113-02	1.3070+00
72	565.25	9.2614+01	1.6663+01	4.9292-02	1.6663+01	4.9292-02	1.0257-02	5.2118-01	9.2053+05	1.2718-02	1.6410+00
73	467.26	7.0919+00	1.1541+00	3.1909-03	1.1541+00	3.1909-03	6.6396-04	3.3739-02	5.9590+04	8.1952-04	3.7770+00
74	482.81	4.8312+00	8.0639-01	2.2529-03	8.0639-01	2.2529-03	4.6878-04	2.3821-02	4.2073+04	5.7902-04	5.3230+00
77	475.92	8.2852+00	1.3972+00	3.8857-03	1.3972+00	3.8857-03	8.0852-04	4.1085-02	7.2564+04	9.9835-04	3.0090+00
78	464.59	8.7855+00	1.4531+00	4.0106-03	1.4531+00	4.0106-03	8.3453-04	4.2406-02	7.4898+04	1.0299-03	3.3930+00
79	463.84	8.2919+00	1.3462+00	3.7138-03	1.3462+00	3.7138-03	7.7277-04	3.9268-02	6.9356+04	9.5368-04	3.7770+00
80	534.57	1.3732+01	2.4326+00	7.0416-03	2.4326+00	7.0416-03	1.4652-03	7.4453-02	1.3150+05	1.8141-03	2.4660+00
81	484.79	7.0369+00	1.1937+00	3.3394-03	1.1937+00	3.3394-03	6.9486-04	3.5309-02	6.2363+04	8.5834-04	3.0090+00
82	468.25	7.9673+00	1.3250+00	3.6659-03	1.3250+00	3.6659-03	7.6279-04	3.8761-02	6.8460+04	9.4155-04	3.3930+00
83	459.70	6.1491+00	1.0077+00	2.7722-03	1.0077+00	2.7722-03	5.7683-04	2.9311-02	5.1770+04	7.1173-04	3.7770+00
337	561.65	3.1197+01	6.1414+00	1.8121-02	6.1414+00	1.8121-02	3.7705-03	1.9160-01	3.3840+05	4.6744-03	7.1680+00
339	553.61	1.4647+01	2.9308+00	8.5982-03	2.9308+00	8.5982-03	1.7891-03	9.0912-02	1.6057+05	2.2172-03	8.1130+00
340	503.90	4.1751+00	7.9318-01	2.2479-03	7.9318-01	2.2479-03	4.6774-04	2.3768-02	4.1979+04	5.7830-04	8.6180+00
342	564.73	3.1563+01	6.4241+00	1.8996-02	6.4241+00	1.8996-02	3.9527-03	2.0086-01	3.5476+05	4.9011-03	7.1680+00
344	546.70	1.6054+01	3.2156+00	9.3879-03	3.2156+00	9.3879-03	1.9534-03	9.9261-02	1.7532+05	2.4200-03	8.1130+00
347	537.71	2.7168+01	5.2717+00	1.5293-02	5.2717+00	1.5293-02	3.1822-03	1.6170-01	2.8560+05	3.9406-03	7.1680+00
349	521.53	1.7728+01	3.4874+00	1.0004-02	3.4874+00	1.0004-02	2.0816-03	1.0577-01	1.8682+05	2.5757-03	8.1130+00
350	484.64	4.6556+00	8.2460-01	2.3067-03	8.2460-01	2.3067-03	4.7996-04	2.4389-02	4.3076+04	5.9288-04	8.6180+00
352	535.39	3.3821+01	6.3961+00	1.8526-02	6.3961+00	1.8526-02	3.8548-03	1.9588-01	3.4596+05	4.7729-03	7.1680+00
354	511.11	1.7318+01	3.3758+00	9.6145-03	3.3758+00	9.6145-03	2.0006-03	1.0166-01	1.7955+05	2.4743-03	8.1130+00
357	536.41	3.0382+01	5.7335+00	1.6618-02	5.7335+00	1.6618-02	3.4579-03	1.7571-01	3.1035+05	4.2817-03	7.1680+00
359	518.92	1.8518+01	3.3906+00	9.7088-03	3.3906+00	9.7088-03	2.0202-03	1.0265-01	1.8131+05	2.4994-03	8.1130+00
401	474.78	1.2511+01	1.0511+00	2.9207-03	1.0511+00	2.9207-03	6.0774-04	3.0882-02	5.4544+04	7.5038-04	4.5500-01
403	486.51	1.9170+01	1.6037+00	4.4917-03	1.6037+00	4.4917-03	9.3463-04	4.7493-02	8.3883+04	1.1546-03	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.2710-06	-5.6936-03	-4.2710-06	-8.8869-07	-4.5158-05	-7.9760+01	-9.4381-07	8.0100-01
405	552.54	7.0281+01	6.1280+00	1.7964-02	6.1280+00	1.7964-02	3.7380-03	1.8994-01	3.3548+05	4.6321-03	1.0510+00
406	589.30	1.1852+02	1.0623+01	3.1974-02	1.0623+01	3.1974-02	6.6531-03	3.3807-01	5.9711+05	8.2591-03	1.1670+00
407	680.08	1.8003+02	1.7253+01	5.5617-02	1.7253+01	5.5617-02	1.1573-02	5.8806-01	1.0386+06	1.4432-02	1.2830+00
408	479.29	1.6827+01	1.3843+00	3.8584-03	1.3843+00	3.8584-03	8.0285-04	4.0796-02	7.2055+04	9.9149-04	5.1300-01
409	479.62	1.9571+01	1.6397+00	4.5711-03	1.6397+00	4.5711-03	9.5115-04	4.8332-02	8.5365+04	1.1747-03	5.7000-01
410	483.79	2.1499+01	1.7417+00	4.8691-03	1.7417+00	4.8691-03	1.0132-03	5.1483-02	9.0930+04	1.2515-03	6.2800-01
411	489.58	2.6068+01	2.1982+00	6.1696-03	2.1982+00	6.1696-03	1.2838-03	6.5234-02	1.1522+05	1.5862-03	6.8600-01
412	491.26	2.2603+01	1.8968+00	5.3296-03	1.8968+00	5.3296-03	1.1090-03	5.6352-02	9.9530+04	1.3703-03	7.4400-01
413	504.69	3.5954+01	3.0799+00	8.7332-03	3.0799+00	8.7332-03	1.8172-03	9.2339-02	1.6309+05	2.2468-03	8.0100-01
414	508.82	4.0006+01	3.3953+00	9.6550-03	3.3953+00	9.6550-03	2.0090-03	1.0209-01	1.8031+05	2.4844-03	8.5900-01
415	520.46	4.8370+01	4.1602+00	1.1925-02	4.1602+00	1.1925-02	2.4813-03	1.2609-01	2.2270+05	3.0702-03	9.1700-01
416	484.42	2.0916+01	1.6324+00	4.5655-03	1.6324+00	4.5655-03	9.4998-04	4.8272-02	8.5260+04	1.1735-03	5.7000-01
417	546.39	7.4299+01	6.4544+00	1.8839-02	6.4544+00	1.8839-02	3.9200-03	1.9919-01	3.5182+05	4.8562-03	1.0520+00

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45 1 12.00 -.00 .00 -.00 402 11 2.65 10.18 1660.0 1875.1

9.07641+01 3.40061-02 2.46716+00 4.75253+03 3.14343-05 7.35189-08 1.70476-01 7.72000+00 7.67259-06 7.39732-02

1	460.47	6.9309+00	1.1671+00	3.2146-03	1.1671+00	3.2146-03	6.6879-04	3.3989-02	6.0045+04	8.2499-04	4.1100-01
2	463.09	1.4874+01	2.5091+00	6.9229-03	2.5091+00	6.9229-03	1.4403-03	7.3199-02	1.2931+05	1.7769-03	7.1100-01
3	663.80	1.5370+02	2.9212+01	9.3057-02	2.9212+01	9.3057-02	1.9360-02	9.8392-01	1.7382+06	2.4116-02	1.3070+00
4	590.58	9.8190+01	1.7929+01	5.4054-02	1.7929+01	5.4054-02	1.1246-02	5.7153-01	1.0097+06	1.3957-02	1.6410+00
5	520.38	4.4208+01	8.1020+00	2.3239-02	8.1020+00	2.3239-02	4.8349-03	2.4571-01	4.3408+05	5.9804-03	1.7720+00
6	535.69	1.3805+01	2.4042+00	6.9700-03	2.4042+00	6.9700-03	1.4501-03	7.3696-02	1.3019+05	1.7950-03	2.4660+00
7	488.02	4.6582+00	7.8484-01	2.2019-03	7.8484-01	2.2019-03	4.5811-04	2.3282-02	4.1130+04	5.6581-04	3.0090+00
8	469.72	6.3262+00	1.0437+00	2.8924-03	1.0437+00	2.8924-03	6.0177-04	3.0582-02	5.4028+04	7.4262-04	3.3930+00
9	460.17	6.0312+00	9.8864-01	2.7225-03	9.8864-01	2.7225-03	5.6642-04	2.8786-02	5.0855+04	6.9871-04	3.7770+00
10	475.79	4.1127+00	6.8330-01	1.9013-03	6.8330-01	1.9013-03	3.9557-04	2.0104-02	3.5515+04	4.8830-04	5.3230+00
14	527.53	6.8975+01	1.2130+01	3.4965-02	1.2130+01	3.4965-02	7.2745-03	3.6970-01	6.5312+05	9.0011-03	1.0880+00
15	655.14	1.5415+02	2.9163+01	9.2283-02	2.9163+01	9.2283-02	1.9199-02	9.7574-01	1.7238+06	2.3904-02	1.3070+00
16	572.90	9.5005+01	1.7170+01	5.1110-02	1.7170+01	5.1110-02	1.0633-02	5.4040-01	9.5469+05	1.3185-02	1.6410+00
19	466.93	5.1475+00	7.9164-01	2.1898-03	7.9164-01	2.1898-03	4.5560-04	2.3154-02	4.0904+04	5.6217-04	4.1100-01
20	474.89	1.5341+01	2.4862+00	6.9141-03	2.4862+00	6.9141-03	1.4385-03	7.3105-02	1.2915+05	1.7756-03	7.1100-01
21	544.83	8.1865+01	1.4082+01	4.1088-02	1.4082+01	4.1088-02	8.5483-03	4.3443-01	7.6748+05	1.0586-02	1.0880+00
22	649.40	1.5164+02	2.7848+01	8.7735-02	2.7848+01	8.7735-02	1.8253-02	9.2765-01	1.6388+06	2.2720-02	1.3070+00
23	971.29	1.2207-01	2.5432-02	1.0660-04	2.5432-02	1.0660-04	2.2179-05	1.1272-03	1.9913+03	2.8138-05	1.6410+00
24	485.72	7.9990+00	1.3337+00	3.7359-03	1.3337+00	3.7359-03	7.7726-04	3.9501-02	6.9784+04	9.5989-04	3.0090+00
25	475.43	7.7013+00	1.2447+00	3.4628-03	1.2447+00	3.4628-03	7.2043-04	3.6613-02	6.4682+04	8.8929-04	3.3930+00
26	469.41	7.8587+00	1.2729+00	3.5269-03	1.2729+00	3.5269-03	7.3377-04	3.7291-02	6.5879+04	9.0551-04	3.7770+00
27	474.33	1.4793+01	2.3965+00	6.6621-03	2.3965+00	6.6621-03	1.3860-03	7.0440-02	1.2444+05	1.7108-03	7.1100-01
28	550.35	8.5073+01	1.4683+01	4.3007-02	1.4683+01	4.3007-02	8.9476-03	4.5473-01	8.0334+05	1.1083-02	1.0880+00
29	669.28	1.4986+02	2.8062+01	8.9773-02	2.8062+01	8.9773-02	1.8677-02	9.4920-01	1.6769+06	2.3271-02	1.3070+00
30	571.66	9.2087+01	1.6388+01	4.8737-02	1.6388+01	4.8737-02	1.0140-02	5.1531-01	9.1036+05	1.2572-02	1.6410+00
31	514.27	4.5529+01	7.9405+00	2.2680-02	7.9405+00	2.2680-02	4.7186-03	2.3980-01	4.2364+05	5.8349-03	1.7720+00
32	526.11	1.6254+01	2.8141+00	8.1040-03	2.8141+00	8.1040-03	1.6860-03	8.5686-02	1.5138+05	2.0861-03	2.4660+00
33	478.50	6.0675+00	1.0220+00	2.8489-03	1.0220+00	2.8489-03	5.9272-04	3.0123-02	5.3215+04	7.3174-04	3.0090+00
34	464.93	6.7439+00	1.1090+00	3.0637-03	1.1090+00	3.0637-03	6.3740-04	3.2394-02	5.7227+04	7.8643-04	3.3930+00
35	459.09	5.8187+00	9.1305-01	2.5126-03	9.1305-01	2.5126-03	5.2274-04	2.6566-02	4.6933+04	6.4479-04	3.7770+00
36	684.56	1.5556+02	2.9010+01	9.3925-02	2.9010+01	9.3925-02	1.9541-02	9.9310-01	1.7544+06	2.4367-02	1.3070+00
37	535.63	2.1771+01	3.8365+00	1.1122-02	3.8365+00	1.1122-02	2.3139-03	1.1759-01	2.0774+05	2.8641-03	2.4660+00
38	473.87	6.0530+00	1.0014+00	2.7829-03	1.0014+00	2.7829-03	5.7897-04	2.9424-02	5.1981+04	7.1462-04	3.0090+00
39	459.36	7.8068+00	1.2713+00	3.4991-03	1.2713+00	3.4991-03	7.2799-04	3.6997-02	6.5360+04	8.9797-04	3.3930+00
40	455.83	7.1496+00	1.1510+00	3.1606-03	1.1510+00	3.1606-03	6.5755-04	3.3418-02	5.9037+04	8.1096-04	3.7770+00
41	459.72	6.0956+00	9.6290-01	2.6509-03	9.6290-01	2.6509-03	5.5151-04	2.8028-02	4.9516+04	6.8030-04	4.1620+00
43	474.24	5.0660+00	8.5088-01	2.3652-03	8.5088-01	2.3652-03	4.9208-04	2.5008-02	4.4180+04	6.0738-04	5.3230+00
47	476.19	1.5993+01	2.6181+00	7.2870-03	2.6181+00	7.2870-03	1.5161-03	7.7048-02	1.3611+05	1.8715-03	7.1100-01
48	566.52	8.6426+01	1.5243+01	4.5165-02	1.5243+01	4.5165-02	9.3966-03	4.7755-01	8.4365+05	1.1648-02	1.0880+00
49	651.50	1.4834+02	2.7600+01	8.7094-02	2.7600+01	8.7094-02	1.8120-02	9.2087-01	1.6268+06	2.2556-02	1.3070+00
50	580.51	8.8424+01	1.5911+01	4.7622-02	1.5911+01	4.7622-02	9.9078-03	5.0353-01	8.8955+05	1.2290-02	1.6410+00
51	521.33	4.5317+01	7.9387+00	2.2786-02	7.9387+00	2.2786-02	4.7406-03	2.4092-01	4.2562+05	5.8640-03	1.7720+00
52	500.46	4.8275+00	8.3459-01	2.3614-03	8.3459-01	2.3614-03	4.9128-04	2.4967-02	4.4108+04	6.0712-04	2.4660+00
53	472.89	1.1432+01	1.8900+00	5.2488-03	1.8900+00	5.2488-03	1.0920-03	5.5497-02	9.8043+04	1.3478-03	3.0090+00
54	456.30	8.9927+00	1.4526+00	3.9900-03	1.4526+00	3.9900-03	8.3011-04	4.2187-02	7.4529+04	1.0238-03	3.3930+00
55	453.51	7.7772+00	1.2310+00	3.3751-03	1.2310+00	3.3751-03	7.0218-04	3.5686-02	6.3043+04	8.6591-04	3.7770+00
56	462.78	4.4364+00	6.8694-01	1.8950-03	6.8694-01	1.8950-03	3.9425-04	2.0036-02	3.5397+04	4.8638-04	4.1100-01
57	476.78	1.6373+01	2.6650+00	7.4205-03	2.6650+00	7.4205-03	1.5438-03	7.8459-02	1.3861+05	1.9058-03	7.1100-01
58	565.47	8.8943+01	1.5677+01	4.6417-02	1.5677+01	4.6417-02	9.6569-03	4.9078-01	8.6702+05	1.1970-02	1.0880+00
59	661.17	1.4320+02	2.6702+01	8.4888-02	2.6702+01	8.4888-02	1.7661-02	8.9755-01	1.5856+06	2.1996-02	1.3070+00
60	584.99	9.1102+01	1.6339+01	4.9061-02	1.6339+01	4.9061-02	1.0207-02	5.1874-01	9.1641+05	1.2664-02	1.6410+00
61	462.35	5.6613+00	9.2659-01	2.5554-03	9.2659-01	2.5554-03	5.3164-04	2.7019-02	4.7732+04	6.5587-04	3.0090+00
62	450.98	5.9377+00	9.5563-01	2.6157-03	9.5563-01	2.6157-03	5.4420-04	2.7657-02	4.8860+04	6.7102-04	3.3930+00
63	452.16	5.2712+00	8.3356-01	2.2834-03	8.3356-01	2.2834-03	4.7506-04	2.4143-02	4.2652+04	5.8579-04	3.7770+00
64	563.71	8.8029+01	1.5824+01	4.6792-02	1.5824+01	4.6792-02	9.7349-03	4.9474-01	8.7402+05	1.2066-02	1.0880+00
65	662.98	1.4448+02	2.7447+01	8.7379-02	2.7447+01	8.7379-02	1.8179-02	9.2389-01	1.6322+06	2.2643-02	1.3070+00
66	583.57	9.1318+01	1.6607+01	4.9815-02	1.6607+01	4.9815-02	1.0364-02	5.2671-01	9.3049+05	1.2858-02	1.6410+00
69	459.85	6.0068+00	1.0110+00	2.7836-03	1.0110+00	2.7836-03	5.7913-04	2.9432-02	5.1995+04	7.1437-04	4.1100-01
70	467.93	1.5607+01	2.6413+00	7.3112-03	2.6413+00	7.3112-03	1.5211-03	7.7304-02	1.3657+05	1.8770-03	7.1100-01
71	668.09	1.4214+02	2.6996+01	8.6283-02	2.6996+01	8.6283-02	1.7951-02	9.1229-01	1.6117+06	2.2365-02	1.3070+00
72	588.10	9.0363+01	1.6476+01	4.9586-02	1.6476+01	4.9586-02	1.0316-02	5.2428-01	9.2622+05	1.2802-02	1.6410+00
73	469.03	6.9683+00	1.1353+00	3.1448-03	1.1353+00	3.1448-03	6.5427-04	3.3251-02	5.8742+04	8.0740-04	3.7770+00
74	484.01	4.8234+00	8.0572-01	2.2544-03	8.0572-01	2.2544-03	4.6903-04	2.3837-02	4.2110+04	5.7919-04	5.3230+00
77	477.99	8.3418+00	1.4087+00	3.9257-03	1.4087+00	3.9257-03	8.1674-04	4.1508-02	7.3329+04	1.0083-03	3.0090+00
78	466.77	8.7158+00	1.4437+00	3.9932-03	1.4437+00	3.9932-03	8.3077-04	4.2221-02	7.4589+04	1.0251-03	3.3930+00
79	465.91	8.2447+00	1.3404+00	3.7054-03	1.3404+00	3.7054-03	7.7090-04	3.9178-02	6.9214+04	9.5119-04	3.7770+00
80	538.08	1.4354+01	2.5481+00	7.3994-03	2.5481+00	7.3994-03	1.5394-03	7.8237-02	1.3821+05	1.9058-03	2.4660+00
81	486.58	7.2566+00	1.2324+00	3.4542-03	1.2324+00	3.4542-03	7.1865-04	3.6523-02	6.4522+04	8.8754-04	3.0090+00
82	470.23	7.8971+00	1.3150+00	3.6457-03	1.3150+00	3.6457-03	7.5848-04	3.8547-02	6.8098+04	9.3604-04	3.3930+00
83	461.24	6.1268+00	1.0050+00	2.7696-03	1.0050+00	2.7696-03	5.7622-04	2.9284-02	5.1735+04	7.1083-04	3.7770+00
337	569.41	3.0984+01	6.1276+00	1.8194-02	6.1276+00	1.8194-02	3.7852-03	1.9237-01	3.3984+05	4.6929-03	7.1680+00
339	557.29	1.4723+01	2.9525+00	8.6907-03	2.9525+00	8.6907-03	1.8081-03	9.1890-02	1.6234+05	2.2404-03	8.1130+00
340	504.95	4.1886+00	7.9628-01	2.2599-03	7.9628-01	2.2599-03	4.7016-04	2.3894-02	4.2212+04	5.8115-04	8.6180+00
342	572.59	3.1385+01	6.4176+00	1.9098-02	6.4176+00	1.9098-02	3.9734-03	2.0193-01	3.5674+05	4.9270-03	7.1680+00
344	550.68	1.5975+01	3.2075+00	9.3974-03	3.2075+00	9.3974-03	1.9551-03	9.9361-02	1.7553+05	2.4218-03	8.1130+00
347	544.47	2.7092+01	5.2787+00	1.5398-02	5.2787+00	1.5398-02	3.2035-03	1.6281-01	2.8762+05	3.9670-03	7.1680+00
349	525.92	1.7597+01	3.4711+00	9.9946-03	3.4711+00	9.9946-03	2.0794-03	1.0568-01	1.8669+05	2.5727-03	8.1130+00
350	485.82	4.7013+00	8.3334-01	2.3345-03	8.3334-01	2.3345-03	4.8570-04	2.4684-02	4.3607+04	5.9982-04	8.6180+00
352	543.78	3.3483+01	6.3646+00	1.8556-02	6.3646+00	1.8556-02	3.8606-03	1.9620-01	3.4661+05	4.7805-03	7.1680+00
354	515.43	1.7215+01	3.3647+00	9.6181-03	3.3647+00	9.6181-03	2.0010-03	1.0170-01	1.7966+05	2.4746-03	8.1130+00
357	543.95	3.0066+01	5.7062+00	1.6621-02	5.7062+00	1.6621-02	3.4580-03	1.7574-01	3.1047+05	4.2820-03	7.1680+00
359	523.52	1.8351+01	3.3698+00	9.6866-03	3.3698+00	9.6866-03	2.0153-03	1.0242-01	1.8094+05	2.4932-03	8.1130+00
401	477.91	1.2586+01	1.0595+00	2.9525-03	1.0595+00	2.9525-03	6.1426-04	3.1217-02	5.5149+04	7.5832-04	4.5500-01
403	491.31	1.9234+01	1.6142+00	4.5388-03	1.6142+00	4.5388-03	9.4429-04	4.7990-02	8.4780+04	1.1665-03	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1340-06	-2.8443-03	-2.1340-06	-4.4398-07	-2.2564-05	-3.9861+01	-4.7152-07	8.0100-01
405	570.08	6.9666+01	6.1380+00	1.8234-02	6.1380+00	1.8234-02	3.7935-03	1.9279-01	3.4059+05	4.7033-03	1.0510+00
406	618.91	1.1646+02	1.0614+01	3.2677-02	1.0614+01	3.2677-02	6.7985-03	3.4551-01	6.1039+05	8.4492-03	1.1670+00
407	723.61	1.6845+02	1.6497+01	5.5109-02	1.6497+01	5.5109-02	1.1465-02	5.8269-01	1.0294+06	1.4327-02	1.2830+00
408	483.50	1.6831+01	1.3884+00	3.8835-03	1.3884+00	3.8835-03	8.0797-04	4.1062-02	7.2541+04	9.9771-04	5.1300-01
409	484.48	1.9431+01	1.6332+00	4.5710-03	1.6332+00	4.5710-03	9.5100-04	4.8331-02	8.5383+04	1.1744-03	5.7000-01
410	489.17	2.1476+01	1.7459+00	4.9022-03	1.7459+00	4.9022-03	1.0199-03	5.1832-02	9.1568+04	1.2597-03	6.2800-01
411	496.05	2.5858+01	2.1898+00	6.1770-03	2.1898+00	6.1770-03	1.2851-03	6.5312-02	1.1538+05	1.5878-03	6.8600-01
412	496.93	2.2650+01	1.9077+00	5.3847-03	1.9077+00	5.3847-03	1.1203-03	5.6934-02	1.0058+05	1.3842-03	7.4400-01
413	513.59	3.5727+01	3.0778+00	8.7868-03	3.0778+00	8.7868-03	1.8281-03	9.2906-02	1.6413+05	2.2605-03	8.0100-01
414	518.91	4.0248+01	3.4377+00	9.8503-03	3.4377+00	9.8503-03	2.0494-03	1.0415-01	1.8400+05	2.5347-03	8.5900-01
415	532.54	4.8473+01	4.2004+00	1.2150-02	4.2004+00	1.2150-02	2.5279-03	1.2847-01	2.2696+05	3.1286-03	9.1700-01
416	489.64	2.0814+01	1.6299+00	4.5779-03	1.6299+00	4.5779-03	9.5242-04	4.8403-02	8.5511+04	1.1764-03	5.7000-01
417	565.32	7.5909+01	6.6693+00	1.9744-02	6.6693+00	1.9744-02	4.1078-03	2.0876-01	3.6881+05	5.0918-03	1.0520+00

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45 1 12.00 -.00 .00 -.00 402 11 3.15 10.18 1660.0 1874.1

9.07089+01 3.40098-02 2.46743+00 4.75108+03 3.14569-05 7.34742-08 1.70650-01 7.72000+00 7.66734-06 7.39768-02

1	463.91	6.9049+00	1.1654+00	3.2125-03	1.1654+00	3.2125-03	6.6809-04	3.3967-02	6.0048+04	8.2643-04	4.1100-01
2	470.54	1.4848+01	2.5172+00	6.9695-03	2.5172+00	6.9695-03	1.4494-03	7.3691-02	1.3027+05	1.7935-03	7.1100-01
3	737.42	1.4036+02	2.7676+01	9.3333-02	2.7676+01	9.3333-02	1.9410-02	9.8684-01	1.7446+06	2.4348-02	1.3070+00
4	638.73	9.4775+01	1.7774+01	5.5450-02	1.7774+01	5.5450-02	1.1532-02	5.8629-01	1.0365+06	1.4388-02	1.6410+00
5	542.58	4.4322+01	8.2348+00	2.3951-02	8.2348+00	2.3951-02	4.9810-03	2.5324-01	4.4769+05	6.1846-03	1.7720+00
6	542.86	1.4887+01	2.6042+00	7.5758-03	2.6042+00	7.5758-03	1.5755-03	8.0101-02	1.4161+05	1.9562-03	2.4660+00
7	490.45	5.0130+00	8.4596-01	2.3737-03	8.4596-01	2.3737-03	4.9364-04	2.5098-02	4.4369+04	6.1140-04	3.0090+00
8	472.91	6.4862+00	1.0724+00	2.9738-03	1.0724+00	2.9738-03	6.1843-04	3.1443-02	5.5585+04	7.6533-04	3.3930+00
9	463.16	5.9922+00	9.8424-01	2.7118-03	9.8424-01	2.7118-03	5.6395-04	2.8673-02	5.0688+04	6.9758-04	3.7770+00
10	477.89	4.2229+00	7.0257-01	1.9548-03	7.0257-01	1.9548-03	4.0653-04	2.0669-02	3.6539+04	5.0320-04	5.3230+00
14	561.51	6.6464+01	1.1932+01	3.5172-02	1.1932+01	3.5172-02	7.3144-03	3.7188-01	6.5743+05	9.0904-03	1.0880+00
15	728.98	1.4080+02	2.7651+01	9.2606-02	2.7651+01	9.2606-02	1.9259-02	9.7915-01	1.7310+06	2.4147-02	1.3070+00
16	619.34	9.0800+01	1.6850+01	5.1806-02	1.6850+01	5.1806-02	1.0774-02	5.4776-01	9.6834+05	1.3429-02	1.6410+00
19	469.57	5.4618+00	8.4146-01	2.3283-03	8.4146-01	2.3283-03	4.8420-04	2.4618-02	4.3520+04	5.9911-04	4.1100-01
20	482.60	1.5289+01	2.4905+00	6.9514-03	2.4905+00	6.9514-03	1.4456-03	7.3500-02	1.2994+05	1.7898-03	7.1100-01
21	584.86	7.8382+01	1.3806+01	4.1386-02	1.3806+01	4.1386-02	8.6067-03	4.3758-01	7.7358+05	1.0709-02	1.0880+00
22	722.23	1.3936+02	2.6560+01	8.8464-02	2.6560+01	8.8464-02	1.8397-02	9.3536-01	1.6536+06	2.3058-02	1.3070+00
23	971.34	1.3091-01	2.7274-02	1.1407-04	2.7274-02	1.1407-04	2.3723-05	1.2061-03	2.1322+03	3.0212-05	1.6410+00
24	489.71	8.0301+00	1.3424+00	3.7647-03	1.3424+00	3.7647-03	7.8292-04	3.9806-02	7.0370+04	9.6965-04	3.0090+00
25	479.27	7.6722+00	1.2432+00	3.4622-03	1.2432+00	3.4622-03	7.2001-04	3.6607-02	6.4715+04	8.9129-04	3.3930+00
26	473.30	7.6000+00	1.2342+00	3.4234-03	1.2342+00	3.4234-03	7.1194-04	3.6197-02	6.3990+04	8.8106-04	3.7770+00
27	481.71	1.4708+01	2.3944+00	6.6793-03	2.3944+00	6.6793-03	1.3890-03	7.0622-02	1.2485+05	1.7197-03	7.1100-01
28	591.86	8.1279+01	1.4374+01	4.3308-02	1.4374+01	4.3308-02	9.0064-03	4.5791-01	8.0950+05	1.1210-02	1.0880+00
29	740.99	1.3660+02	2.6507+01	8.9656-02	2.6507+01	8.9656-02	1.8645-02	9.4796-01	1.6758+06	2.3394-02	1.3070+00
30	616.61	8.7695+01	1.6011+01	4.9129-02	1.6011+01	4.9129-02	1.0217-02	5.1945-01	9.1831+05	1.2733-02	1.6410+00
31	537.03	4.5406+01	8.0320+00	2.3271-02	8.0320+00	2.3271-02	4.8394-03	2.4605-01	4.3497+05	6.0072-03	1.7720+00
32	534.48	1.7182+01	2.9903+00	8.6481-03	2.9903+00	8.6481-03	1.7985-03	9.1439-02	1.6165+05	2.2322-03	2.4660+00
33	481.62	6.4166+00	1.0830+00	3.0209-03	1.0830+00	3.0209-03	6.2823-04	3.1940-02	5.6465+04	7.7776-04	3.0090+00
34	468.29	6.7688+00	1.1156+00	3.0843-03	1.1156+00	3.0843-03	6.4142-04	3.2611-02	5.7651+04	7.9360-04	3.3930+00
35	461.97	5.8535+00	9.2030-01	2.5336-03	9.2030-01	2.5336-03	5.2690-04	2.6789-02	4.7358+04	6.5172-04	3.7770+00
36	757.92	1.3839+02	2.6746+01	9.1747-02	2.6746+01	9.1747-02	1.9080-02	9.7007-01	1.7149+06	2.3962-02	1.3070+00
37	546.43	2.1475+01	3.8093+00	1.1110-02	3.8093+00	1.1110-02	2.3104-03	1.1747-01	2.0766+05	2.8692-03	2.4660+00
38	476.89	6.2519+00	1.0364+00	2.8816-03	1.0364+00	2.8816-03	5.9926-04	3.0468-02	5.3862+04	7.4174-04	3.0090+00
39	463.26	7.8010+00	1.2737+00	3.5097-03	1.2737+00	3.5097-03	7.2988-04	3.7109-02	6.5602+04	9.0284-04	3.3930+00
40	459.40	7.0062+00	1.1306+00	3.1074-03	1.1306+00	3.1074-03	6.4623-04	3.2856-02	5.8084+04	7.9922-04	3.7770+00
41	462.70	5.9330+00	9.3911-01	2.5866-03	9.3911-01	2.5866-03	5.3792-04	2.7349-02	4.8349+04	6.6538-04	4.1620+00
43	476.76	5.0561+00	8.5064-01	2.3650-03	8.5064-01	2.3650-03	4.9183-04	2.5006-02	4.4206+04	6.0876-04	5.3230+00
47	484.12	1.5936+01	2.6223+00	7.3268-03	2.6223+00	7.3268-03	1.5237-03	7.7468-02	1.3695+05	1.8866-03	7.1100-01
48	608.70	8.2770+01	1.4956+01	4.5623-02	1.4956+01	4.5623-02	9.4879-03	4.8238-01	8.5278+05	1.1820-02	1.0880+00
49	722.65	1.3570+02	2.6179+01	8.7227-02	2.6179+01	8.7227-02	1.8140-02	9.2227-01	1.6304+06	2.2736-02	1.3070+00
50	623.59	8.4097+01	1.5505+01	4.7824-02	1.5505+01	4.7824-02	9.9456-03	5.0566-01	8.9392+05	1.2399-02	1.6410+00
51	544.04	4.5458+01	8.0755+00	2.3512-02	8.0755+00	2.3512-02	4.8896-03	2.4860-01	4.3948+05	6.0716-03	1.7720+00
52	502.95	5.0592+00	8.7604-01	2.4791-03	8.7604-01	2.4791-03	5.1555-04	2.6212-02	4.6338+04	6.3891-04	2.4660+00
53	478.66	1.1557+01	1.9181+00	5.3395-03	1.9181+00	5.3395-03	1.1104-03	5.6456-02	9.9805+04	1.3745-03	3.0090+00
54	460.87	9.0774+00	1.4708+00	4.0462-03	1.4708+00	4.0462-03	8.4146-04	4.2782-02	7.5632+04	1.0407-03	3.3930+00
55	457.50	7.8847+00	1.2514+00	3.4350-03	1.2514+00	3.4350-03	7.1434-04	3.6319-02	6.4206+04	8.8338-04	3.7770+00
56	465.15	5.0364+00	7.8108-01	2.1549-03	7.8108-01	2.1549-03	4.4813-04	2.2784-02	4.0279+04	5.5438-04	4.1100-01
57	484.95	1.6516+01	2.7028+00	7.5559-03	2.7028+00	7.5559-03	1.5714-03	7.9891-02	1.4123+05	1.9457-03	7.1100-01
58	608.96	8.5317+01	1.5419+01	4.7043-02	1.5419+01	4.7043-02	9.7832-03	4.9740-01	8.7932+05	1.2188-02	1.0880+00
59	729.92	1.3130+02	2.5343+01	8.4942-02	2.5343+01	8.4942-02	1.7665-02	8.9812-01	1.5877+06	2.2150-02	1.3070+00
60	629.40	8.6620+01	1.5927+01	4.9338-02	1.5927+01	4.9338-02	1.0261-02	5.2167-01	9.2223+05	1.2796-02	1.6410+00
61	465.23	5.8384+00	9.5744-01	2.6415-03	9.5744-01	2.6415-03	5.4934-04	2.7930-02	4.9376+04	6.7958-04	3.0090+00
62	453.83	5.9657+00	9.6202-01	2.6343-03	9.6202-01	2.6343-03	5.4783-04	2.7853-02	4.9240+04	6.7736-04	3.3930+00
63	454.86	5.7522+00	9.1131-01	2.4971-03	9.1131-01	2.4971-03	5.1931-04	2.6403-02	4.6676+04	6.4211-04	3.7770+00
64	606.87	8.5163+01	1.5694+01	4.7809-02	1.5694+01	4.7809-02	9.9425-03	5.0550-01	8.9364+05	1.2385-02	1.0880+00
65	732.18	1.3197+02	2.5956+01	8.7158-02	2.5956+01	8.7158-02	1.8126-02	9.2155-01	1.6291+06	2.2730-02	1.3070+00
66	628.13	8.6951+01	1.6213+01	5.0179-02	1.6213+01	5.0179-02	1.0435-02	5.3056-01	9.3794+05	1.3013-02	1.6410+00
69	462.84	5.9216+00	9.9871-01	2.7511-03	9.9871-01	2.7511-03	5.7212-04	2.9088-02	5.1423+04	7.0768-04	4.1100-01
70	475.83	1.5892+01	2.7036+00	7.5122-03	2.7036+00	7.5122-03	1.5623-03	7.9429-02	1.4042+05	1.9336-03	7.1100-01
71	736.21	1.2984+02	2.5512+01	8.5951-02	2.5512+01	8.5951-02	1.7875-02	9.0879-01	1.6066+06	2.2421-02	1.3070+00
72	632.24	8.6301+01	1.6128+01	5.0070-02	1.6128+01	5.0070-02	1.0413-02	5.2940-01	9.3590+05	1.2987-02	1.6410+00
73	472.44	6.8847+00	1.1242+00	3.1166-03	1.1242+00	3.1166-03	6.4814-04	3.2953-02	5.8255+04	8.0207-04	3.7770+00
74	486.39	4.7418+00	7.9333-01	2.2200-03	7.9333-01	2.2200-03	4.6167-04	2.3472-02	4.1495+04	5.7169-04	5.3230+00
77	482.21	8.4997+00	1.4394+00	4.0165-03	1.4394+00	4.0165-03	8.3528-04	4.2468-02	7.5076+04	1.0341-03	3.0090+00
78	471.10	8.6073+00	1.4299+00	3.9604-03	1.4299+00	3.9604-03	8.2361-04	4.1874-02	7.4027+04	1.0192-03	3.3930+00
79	469.99	8.0566+00	1.3134+00	3.6352-03	1.3134+00	3.6352-03	7.5599-04	3.8437-02	6.7949+04	9.3543-04	3.7770+00
80	545.55	1.5475+01	2.7596+00	8.0433-03	2.7596+00	8.0433-03	1.6727-03	8.5044-02	1.5034+05	2.0772-03	2.4660+00
81	490.27	7.5314+00	1.2822+00	3.5972-03	1.2822+00	3.5972-03	7.4809-04	3.8035-02	6.7239+04	9.2653-04	3.0090+00
82	474.15	7.7558+00	1.2949+00	3.5938-03	1.2949+00	3.5938-03	7.4738-04	3.7999-02	6.7175+04	9.2496-04	3.3930+00
83	464.27	6.1039+00	1.0033+00	2.7664-03	1.0033+00	2.7664-03	5.7532-04	2.9250-02	5.1710+04	7.1168-04	3.7770+00
337	584.83	3.0515+01	6.0892+00	1.8253-02	6.0892+00	1.8253-02	3.7959-03	1.9299-01	3.4118+05	4.7230-03	7.1680+00
339	564.70	1.4843+01	2.9897+00	8.8328-03	2.9897+00	8.8328-03	1.8369-03	9.3392-02	1.6510+05	2.2833-03	8.1130+00
340	507.05	4.2255+00	8.0437-01	2.2826-03	8.0437-01	2.2826-03	4.7470-04	2.4135-02	4.2666+04	5.8840-04	8.6180+00
342	588.24	3.0988+01	6.3940+00	1.9214-02	6.3940+00	1.9214-02	3.9958-03	2.0315-01	3.5914+05	4.9726-03	7.1680+00
344	558.66	1.5873+01	3.2025+00	9.4209-03	3.2025+00	9.4209-03	1.9592-03	9.9610-02	1.7609+05	2.4345-03	8.1130+00
347	558.00	2.6974+01	5.2986+00	1.5580-02	5.2986+00	1.5580-02	3.2400-03	1.6473-01	2.9122+05	4.0260-03	7.1680+00
349	534.75	1.7684+01	3.5073+00	1.0145-02	3.5073+00	1.0145-02	2.1099-03	1.0727-01	1.8964+05	2.6187-03	8.1130+00
350	488.14	4.6582+00	8.2695-01	2.3168-03	8.2695-01	2.3168-03	4.8180-04	2.4496-02	4.3305+04	5.9667-04	8.6180+00
352	560.43	3.3060+01	6.3475+00	1.8696-02	6.3475+00	1.8696-02	3.8881-03	1.9768-01	3.4947+05	4.8319-03	7.1680+00
354	523.98	1.7033+01	3.3471+00	9.6095-03	3.3471+00	9.6095-03	1.9984-03	1.0160-01	1.7962+05	2.4791-03	8.1130+00
357	558.87	2.9763+01	5.6934+00	1.6751-02	5.6934+00	1.6751-02	3.4836-03	1.7712-01	3.1311+05	4.3289-03	7.1680+00
359	532.61	1.8152+01	3.3520+00	9.6815-03	3.3520+00	9.6815-03	2.0134-03	1.0237-01	1.8097+05	2.4987-03	8.1130+00
401	484.23	1.2578+01	1.0633+00	2.9710-03	1.0633+00	2.9710-03	6.1785-04	3.1413-02	5.5533+04	7.6501-04	4.5500-01
403	500.97	1.9382+01	1.6367+00	4.6254-03	1.6367+00	4.6254-03	9.6192-04	4.8906-02	8.6458+04	1.1920-03	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.2729-06	-5.6973-03	-4.2729-06	-8.8860-07	-4.5178-05	-7.9868+01	-9.4465-07	8.0100-01
405	604.46	6.7910+01	6.1027+00	1.8558-02	6.1027+00	1.8558-02	3.8593-03	1.9622-01	3.4688+05	4.8067-03	1.0510+00
406	675.51	1.0949+02	1.0284+01	3.3004-02	1.0284+01	3.3004-02	6.8637-03	3.4897-01	6.1691+05	8.5805-03	1.1670+00
407	802.23	1.4740+02	1.4970+01	5.3333-02	1.4970+01	5.3333-02	1.1091-02	5.6390-01	9.9689+05	1.3966-02	1.2830+00
408	491.92	1.6811+01	1.3945+00	3.9168-03	1.3945+00	3.9168-03	8.1454-04	4.1413-02	7.3212+04	1.0089-03	5.1300-01
409	494.15	1.9218+01	1.6255+00	4.5724-03	1.6255+00	4.5724-03	9.5089-04	4.8345-02	8.5466+04	1.1779-03	5.7000-01
410	499.90	2.1341+01	1.7470+00	4.9335-03	1.7470+00	4.9335-03	1.0260-03	5.2163-02	9.2216+04	1.2713-03	6.2800-01
411	508.93	2.5692+01	2.1937+00	6.2333-03	2.1937+00	6.2333-03	1.2963-03	6.5907-02	1.1651+05	1.6069-03	6.8600-01
412	508.27	2.2690+01	1.9250+00	5.4674-03	1.9250+00	5.4674-03	1.1370-03	5.7808-02	1.0220+05	1.4094-03	7.4400-01
413	531.44	3.5809+01	3.1194+00	9.0023-03	3.1194+00	9.0023-03	1.8721-03	9.5184-02	1.6827+05	2.3233-03	8.0100-01
414	538.98	3.9962+01	3.4559+00	1.0026-02	3.4559+00	1.0026-02	2.0851-03	1.0601-01	1.8741+05	2.5884-03	8.5900-01
415	556.83	4.8718+01	4.2843+00	1.2587-02	4.2843+00	1.2587-02	2.6176-03	1.3309-01	2.3528+05	3.2525-03	9.1700-01
416	499.97	2.0625+01	1.6259+00	4.5918-03	1.6259+00	4.5918-03	9.5493-04	4.8551-02	8.5830+04	1.1833-03	5.7000-01
417	603.75	7.6955+01	6.9128+00	2.1010-02	6.9128+00	2.1010-02	4.3693-03	2.2215-01	3.9272+05	5.4417-03	1.0520+00

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42 1 6.99 -5.01 .00 -.00 402 11 1.90 10.18 1660.0 1869.2

9.04515+01 3.40273-02 2.46870+00 4.74434+03 3.15627-05 7.32657-08 1.71468-01 7.72000+00 7.64289-06 7.40049-02

1	461.63	2.1500+01	3.6231+00	1.0022-02	3.6231+00	1.0022-02	2.0802-03	1.0605-01	1.8793+05	2.5740-03	4.1100-01
2	487.34	8.1166+01	1.3913+01	3.9157-02	1.3913+01	3.9157-02	8.1274-03	4.1435-01	7.3425+05	1.0068-02	7.1100-01
3	488.11	7.5925+01	1.3022+01	3.6666-02	1.3022+01	3.6666-02	7.6104-03	3.8799-01	6.8755+05	9.4284-03	1.3070+00
4	509.86	1.0263+02	1.7849+01	5.1013-02	1.7849+01	5.1013-02	1.0588-02	5.3980-01	9.5657+05	1.3131-02	1.6410+00
5	495.44	6.7940+01	1.2255+01	3.4681-02	1.2255+01	3.4681-02	7.1984-03	3.6699-01	6.5033+05	8.9209-03	1.7720+00
6	493.31	1.5662+01	2.6559+00	7.5048-03	2.6559+00	7.5048-03	1.5577-03	7.9414-02	1.4073+05	1.9303-03	2.4660+00
7	453.72	4.0639+00	6.5923-01	1.8415-03	6.6923-01	1.8415-03	3.8223-04	1.9487-02	3.4532+04	4.7278-04	3.0090+00
8	443.37	1.2238+01	1.9833+00	5.4202-03	1.9833+00	5.4202-03	1.1250-03	5.7356-02	1.0164+05	1.3909-03	3.3930+00
9	440.65	9.5896+00	1.5511+00	4.2316-03	1.5511+00	4.2316-03	8.7831-04	4.4777-02	7.9349+04	1.0858-03	3.7770+00
10	467.78	7.8577+00	1.2985+00	3.6068-03	1.2985+00	3.6068-03	7.4862-04	3.8166-02	6.7633+04	9.2658-04	5.3230+00
14	471.75	6.1724+01	1.0472+01	2.9165-02	1.0472+01	2.9165-02	6.0534-03	3.0861-01	5.4689+05	7.4938-03	1.0880+00
15	486.32	9.0710+01	1.5539+01	4.3702-02	1.5539+01	4.3702-02	9.0708-03	4.6244-01	8.1948+05	1.1237-02	1.3070+00
16	507.69	1.1668+02	2.0265+01	5.7829-02	2.0265+01	5.7829-02	1.2003-02	6.1193-01	1.0844+06	1.4884-02	1.6410+00
19	472.48	2.1180+01	3.2693+00	9.1093-03	3.2693+00	9.1093-03	1.8907-03	9.6392-02	1.7081+05	2.3407-03	4.1100-01
20	465.64	2.7800+01	4.4777+00	1.2419-02	4.4777+00	1.2419-02	2.5778-03	1.3142-01	2.3288+05	3.1902-03	7.1100-01
21	475.18	7.2063+01	1.1860+01	3.3107-02	1.1860+01	3.3107-02	6.8716-03	3.5033-01	6.2081+05	8.5080-03	1.0880+00
22	479.42	8.7968+01	1.4607+01	4.0888-02	1.4607+01	4.0888-02	8.4868-03	4.3267-01	7.6672+05	1.0510-02	1.3070+00
23	924.34	2.9091-02	5.9571-03	2.3935-05	5.9571-03	2.3935-05	4.9681-06	2.5328-04	4.4883+02	6.3046-06	1.6410+00
24	468.92	8.2353+00	1.3579+00	3.7746-03	1.3579+00	3.7746-03	7.8345-04	3.9942-02	7.0779+04	9.6974-04	3.0090+00
25	458.39	5.4260+00	8.6703-01	2.3932-03	8.6703-01	2.3932-03	4.9674-04	2.5324-02	4.4877+04	6.1455-04	3.3930+00
26	452.85	4.2919+00	6.8745-01	1.8906-03	6.8745-01	1.8906-03	3.9241-04	2.0006-02	3.5451+04	4.8536-04	3.7770+00
27	486.69	6.4246+01	1.0493+01	2.9518-02	1.0493+01	2.9518-02	6.1268-03	3.1236-01	5.5352+05	7.5899-03	7.1100-01
28	478.28	7.4649+01	1.2311+01	3.4437-02	1.2311+01	3.4437-02	7.1477-03	3.6440-01	6.4574+05	8.8511-03	1.0880+00
29	483.80	8.0128+01	1.3463+01	3.7799-02	1.3463+01	3.7799-02	7.8456-03	3.9998-01	7.0880+05	9.7178-03	1.3070+00
30	499.37	1.1001+02	1.8728+01	5.3140-02	1.8728+01	5.3140-02	1.1030-02	5.6231-01	9.9646+05	1.3672-02	1.6410+00
31	478.63	5.4418+01	9.2752+00	2.5950-02	9.2752+00	2.5950-02	5.3862-03	2.7460-01	4.8661+05	6.6699-03	1.7720+00
32	499.31	2.6216+01	4.4626+00	1.2662-02	4.4626+00	1.2662-02	2.6281-03	1.3399-01	2.3743+05	3.2576-03	2.4660+00
33	465.83	7.0971+00	1.1854+00	3.2881-03	1.1854+00	3.2881-03	6.8248-04	3.4794-02	6.1658+04	8.4464-04	3.0090+00
34	453.16	5.2951+00	8.6385-01	2.3762-03	8.6385-01	2.3762-03	4.9320-04	2.5144-02	4.4557+04	6.1004-04	3.3930+00
35	449.31	5.0971+00	7.9451-01	2.1799-03	7.9451-01	2.1799-03	4.5246-04	2.3067-02	4.0877+04	5.5955-04	3.7770+00
36	485.21	7.8659+01	1.3071+01	3.6734-02	1.3071+01	3.6734-02	7.6244-03	3.8871-01	6.8882+05	9.4445-03	1.3070+00
37	499.39	2.2401+01	3.8587+00	1.0949-02	3.8587+00	1.0949-02	2.2726-03	1.1586-01	2.0531+05	2.8169-03	2.4660+00
38	461.83	4.5891+00	7.5310-01	2.0835-03	7.5310-01	2.0835-03	4.3245-04	2.2047-02	3.9069+04	5.3511-04	3.0090+00
39	450.30	8.6192+00	1.3950+00	3.8300-03	1.3950+00	3.8300-03	7.9495-04	4.0528-02	7.1818+04	9.8314-04	3.3930+00
40	447.93	7.5803+00	1.2138+00	3.3272-03	1.2138+00	3.3272-03	6.9059-04	3.5207-02	6.2390+04	8.5398-04	3.7770+00
41	453.29	5.7106+00	8.9817-01	2.4708-03	8.9817-01	2.4708-03	5.1284-04	2.6145-02	4.6332+04	6.3433-04	4.1620+00
43	467.39	3.7938+00	6.3430-01	1.7613-03	6.3430-01	1.7613-03	3.6558-04	1.8638-02	3.3028+04	4.5248-04	5.3230+00
47	487.83	5.3558+01	8.8348+00	2.4872-02	8.8348+00	2.4872-02	5.1625-03	2.6319-01	4.6639+05	6.3956-03	7.1100-01
48	490.54	6.9117+01	1.1630+01	3.2801-02	1.1630+01	3.2801-02	6.8082-03	3.4709-01	6.1508+05	8.4355-03	1.0880+00
49	491.31	1.0062+02	1.7039+01	4.8083-02	1.7039+01	4.8083-02	9.9801-03	5.0880-01	9.0164+05	1.2366-02	1.3070+00
50	523.52	1.1831+02	2.0573+01	5.9354-02	2.0573+01	5.9354-02	1.2320-02	6.2808-01	1.1130+06	1.5288-02	1.6410+00
51	492.33	5.3701+01	9.2354+00	2.6079-02	9.2354+00	2.6079-02	5.4131-03	2.7597-01	4.8903+05	6.7074-03	1.7720+00
52	487.17	6.4410+00	1.1040+00	3.1066-03	1.1040+00	3.1066-03	6.4482-04	3.2874-02	5.8255+04	7.9881-04	2.4660+00
53	459.93	8.0997+00	1.3275+00	3.6680-03	1.3275+00	3.6680-03	7.6133-04	3.8814-02	6.8781+04	9.4198-04	3.0090+00
54	446.75	5.0675+00	8.1323-01	2.2275-03	8.1323-01	2.2275-03	4.6234-04	2.3571-02	4.1769+04	5.7170-04	3.3930+00
55	445.34	3.1990+00	5.0351-01	1.3779-03	5.0351-01	1.3779-03	2.8599-04	1.4580-02	2.5838+04	3.5362-04	3.7770+00
56	464.60	5.0925+00	7.8949-01	2.1882-03	7.8949-01	2.1882-03	4.5418-04	2.3155-02	4.1032+04	5.6207-04	4.1100-01
57	476.65	3.6109+01	5.8769+00	1.6421-02	5.8769+00	1.6421-02	3.4083-03	1.7376-01	3.0791+05	4.2202-03	7.1100-01
58	474.08	4.5794+01	7.6225+00	2.1261-02	7.6225+00	2.1261-02	4.4130-03	2.2498-01	3.9869+05	5.4636-03	1.0880+00
59	489.59	7.8890+01	1.3306+01	3.7503-02	1.3306+01	3.7503-02	7.7842-03	3.9685-01	7.0325+05	9.6443-03	1.3070+00
60	528.70	1.2491+02	2.1661+01	6.2720-02	2.1661+01	6.2720-02	1.3018-02	6.6369-01	1.1761+06	1.6159-02	1.6410+00
61	457.15	8.2187+00	1.3404+00	3.6969-03	1.3404+00	3.6969-03	7.6733-04	3.9120-02	6.9323+04	9.4928-04	3.0090+00
62	444.02	5.5075+00	8.8218-01	2.4120-03	8.8218-01	2.4120-03	5.0064-04	2.5524-02	4.5230+04	6.1898-04	3.3930+00
63	445.60	3.1262+00	4.9215-01	1.3470-03	4.9215-01	1.3470-03	2.7959-04	1.4254-02	2.5259+04	3.4570-04	3.7770+00
64	452.95	1.4693+01	2.4615+00	6.7698-03	2.4615+00	6.7698-03	1.4052-03	7.1637-02	1.2695+05	1.7380-03	1.0880+00
65	455.21	2.2968+01	3.8537+00	1.0615-02	3.8537+00	1.0615-02	2.2032-03	1.1232-01	1.9904+05	2.7254-03	1.3070+00
66	490.89	6.7030+01	1.1517+01	3.2490-02	1.1517+01	3.2490-02	6.7437-03	3.4381-01	6.0925+05	8.3557-03	1.6410+00
69	462.76	1.1874+01	2.0026+00	5.5436-03	2.0026+00	5.5436-03	1.1506-03	5.8661-02	1.0395+05	1.4238-03	4.1100-01
70	450.59	4.4306+00	7.4107-01	2.0350-03	7.4107-01	2.0350-03	4.2238-04	2.1534-02	3.8159+04	5.2238-04	7.1100-01
71	452.41	7.6800+00	1.2824+00	3.5257-03	1.2824+00	3.5257-03	7.3179-04	3.7308-02	6.6113+04	9.0512-04	1.3070+00
72	465.75	1.3450+01	2.2729+00	6.3044-03	2.2729+00	6.3044-03	1.3085-03	6.6712-02	1.1822+05	1.6195-03	1.6410+00
73	459.47	6.1522+00	9.9590-01	2.7509-03	9.9590-01	2.7509-03	5.7098-04	2.9109-02	5.1584+04	7.0644-04	3.7770+00
74	476.67	5.0400+00	8.3785-01	2.3411-03	8.3785-01	2.3411-03	4.8591-04	2.4773-02	4.3899+04	6.0166-04	5.3230+00
77	446.71	6.3746+00	1.0544+00	2.8880-03	1.0544+00	2.8880-03	5.9943-04	3.0560-02	5.4154+04	7.4121-04	3.0090+00
78	441.58	7.8504+00	1.2782+00	3.4893-03	1.2782+00	3.4893-03	7.2424-04	3.6923-02	6.5430+04	8.9534-04	3.3930+00
79	447.73	7.5543+00	1.2131+00	3.3250-03	1.2131+00	3.3250-03	6.9013-04	3.5184-02	6.2349+04	8.5341-04	3.7770+00
80	495.01	1.6949+01	2.9284+00	8.2844-03	2.9284+00	8.2844-03	1.7195-03	8.7663-02	1.5535+05	2.1309-03	2.4660+00
81	450.91	4.9179+00	8.1553-01	2.2399-03	8.1553-01	2.2399-03	4.6492-04	2.3702-02	4.2003+04	5.7500-04	3.0090+00
82	440.89	8.7636+00	1.4305+00	3.9032-03	1.4305+00	3.9032-03	8.1015-04	4.1303-02	7.3191+04	1.0015-03	3.3930+00
83	442.48	7.5242+00	1.2185+00	3.3284-03	1.2185+00	3.3284-03	6.9084-04	3.5220-02	6.2412+04	8.5408-04	3.7770+00
337	530.70	4.6012+01	8.8899+00	2.5777-02	8.8899+00	2.5777-02	5.3503-03	2.7277-01	4.8336+05	6.6415-03	7.1680+00
339	504.80	1.7807+01	3.4571+00	9.8458-03	3.4571+00	9.8458-03	2.0436-03	1.0419-01	1.8463+05	2.5337-03	8.1130+00
340	479.26	3.7065+00	6.9299-01	1.9397-03	6.9299-01	1.9397-03	4.0260-04	2.0525-02	3.6372+04	4.9856-04	8.6180+00
342	522.25	3.5072+01	6.9563+00	2.0052-02	6.9563+00	2.0052-02	4.1620-03	2.1219-01	3.7601+05	5.1644-03	7.1680+00
344	505.84	1.9358+01	3.7804+00	1.0774-02	3.7804+00	1.0774-02	2.2363-03	1.1401-01	2.0203+05	2.7728-03	8.1130+00
347	511.39	2.4041+01	4.5891+00	1.3129-02	4.5891+00	1.3129-02	2.7251-03	1.3893-01	2.4620+05	3.3798-03	7.1680+00
349	502.15	1.9138+01	3.7189+00	1.0572-02	3.7189+00	1.0572-02	2.1944-03	1.1187-01	1.9825+05	2.7203-03	8.1130+00
350	479.02	4.3823+00	7.7334-01	2.1642-03	7.7334-01	2.1642-03	4.4921-04	2.2901-02	4.0583+04	5.5628-04	8.6180+00
352	514.49	2.2574+01	4.2138+00	1.2081-02	4.2138+00	1.2081-02	2.5076-03	1.2784-01	2.2655+05	3.1105-03	7.1680+00
354	507.85	1.8953+01	3.6868+00	1.0522-02	3.6868+00	1.0522-02	2.1840-03	1.1134-01	1.9731+05	2.7082-03	8.1130+00
357	513.52	1.9188+01	3.5698+00	1.0228-02	3.5698+00	1.0228-02	2.1229-03	1.0823-01	1.9179+05	2.6332-03	7.1680+00
359	509.67	1.4644+01	2.6657+00	7.6173-03	2.6657+00	7.6173-03	1.5811-03	8.0605-02	1.4284+05	1.9607-03	8.1130+00
401	488.98	4.0633+01	3.4456+00	9.7077-03	3.4456+00	9.7077-03	2.0149-03	1.0272-01	1.8204+05	2.4963-03	4.5500-01
403	512.69	7.1554+01	6.0877+00	1.7432-02	6.0877+00	1.7432-02	3.6183-03	1.8447-01	3.2689+05	4.4877-03	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.2788-06	-5.6975-03	-4.2788-06	-8.8810-07	-4.5277-05	-8.0234+01	-9.4544-07	8.0100-01
405	550.66	1.2401+02	1.0801+01	3.1761-02	1.0801+01	3.1761-02	6.5924-03	3.3609-01	5.9558+05	8.1913-03	1.0510+00
406	539.04	1.3348+02	1.1613+01	3.3869-02	1.1613+01	3.3869-02	7.0299-03	3.5840-01	6.3511+05	8.7301-03	1.1670+00
407	558.74	1.5424+02	1.3822+01	4.0881-02	1.3822+01	4.0881-02	8.4852-03	4.3259-01	7.6658+05	1.0547-02	1.2830+00
408	510.52	7.8207+01	6.5650+00	1.8771-02	6.5650+00	1.8771-02	3.8961-03	1.9863-01	3.5199+05	4.8318-03	5.1300-01
409	471.40	2.2521+01	1.8766+00	5.2249-03	1.8766+00	5.2249-03	1.0845-03	5.5289-02	9.7976+04	1.3425-03	5.7000-01
410	499.38	5.5039+01	4.5041+00	1.2780-02	4.5041+00	1.2780-02	2.6527-03	1.3524-01	2.3965+05	3.2880-03	6.2800-01
411	473.89	2.1919+01	1.8294+00	5.1021-03	1.8294+00	5.1021-03	1.0590-03	5.3989-02	9.5673+04	1.3111-03	6.8600-01
412	500.88	4.8792+01	4.1261+00	1.1703-02	4.1261+00	1.1703-02	2.4290-03	1.2383-01	2.1944+05	3.0110-03	7.4400-01
413	478.65	3.4985+01	2.9466+00	8.2442-03	2.9466+00	8.2442-03	1.7112-03	8.7238-02	1.5459+05	2.1190-03	8.0100-01
414	512.88	7.8973+01	6.7197+00	1.9245-02	6.7197+00	1.9245-02	3.9944-03	2.0364-01	3.6087+05	4.9543-03	8.5900-01
415	492.12	5.3052+01	4.4812+00	1.2652-02	4.4812+00	1.2652-02	2.6261-03	1.3389-01	2.3725+05	3.2541-03	9.1700-01
416	518.75	7.5614+01	6.0324+00	1.7346-02	6.0324+00	1.7346-02	3.6004-03	1.8356-01	3.2528+05	4.4669-03	5.7000-01
417	533.78	1.1001+02	9.4830+00	2.7556-02	9.4830+00	2.7556-02	5.7196-03	2.9159-01	5.1673+05	7.1010-03	1.0520+00

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42 1 6.97 -5.03 .00 -.00 402 11 2.15 10.18 1660.0 1868.7

9.04239+01 3.40292-02 2.46884+00 4.74361+03 3.15741-05 7.32434-08 1.71555-01 7.72000+00 7.64027-06 7.40077-02

1	467.18	2.2795+01	3.8558+00	1.0702-02	3.8558+00	1.0702-02	2.2209-03	1.1325-01	2.0076+05	2.7512-03	4.1100-01
2	507.52	7.9535+01	1.3812+01	3.9400-02	1.3812+01	3.9400-02	8.1762-03	4.1692-01	7.3907+05	1.0147-02	7.1100-01
3	506.45	7.2236+01	1.2536+01	3.5734-02	1.2536+01	3.5734-02	7.4154-03	3.7813-01	6.7030+05	9.2025-03	1.3070+00
4	534.91	9.8891+01	1.7470+01	5.0792-02	1.7470+01	5.0792-02	1.0540-02	5.3747-01	9.5276+05	1.3098-02	1.6410+00
5	512.31	6.7020+01	1.2221+01	3.4975-02	1.2221+01	3.4975-02	7.2579-03	3.7010-01	6.5606+05	9.0096-03	1.7720+00
6	497.38	1.6842+01	2.8634+00	8.1115-03	2.8634+00	8.1115-03	1.6833-03	8.5834-02	1.5216+05	2.0881-03	2.4660+00
7	454.80	4.3735+00	7.2074-01	1.9841-03	7.2074-01	1.9841-03	4.1175-04	2.0996-02	3.7219+04	5.0975-04	3.0090+00
8	446.40	1.1999+01	1.9486+00	5.3347-03	1.9486+00	5.3347-03	1.1070-03	5.6450-02	1.0007+05	1.3700-03	3.3930+00
9	443.04	9.5538+00	1.5478+00	4.2282-03	1.5478+00	4.2282-03	8.7743-04	4.4742-02	7.9314+04	1.0857-03	3.7770+00
10	469.72	7.6800+00	1.2708+00	3.5334-03	1.2708+00	3.5334-03	7.3324-04	3.7389-02	6.6280+04	9.0840-04	5.3230+00
14	487.15	6.1061+01	1.0466+01	2.9442-02	1.0466+01	2.9442-02	6.1098-03	3.1155-01	5.5228+05	7.5754-03	1.0880+00
15	508.49	8.7316+01	1.5173+01	4.3310-02	1.5173+01	4.3310-02	8.9877-03	4.5830-01	8.1242+05	1.1155-02	1.3070+00
16	536.04	1.1139+02	1.9692+01	5.7296-02	1.9692+01	5.7296-02	1.1890-02	6.0629-01	1.0748+06	1.4776-02	1.6410+00
19	477.74	2.1049+01	3.2606+00	9.1145-03	3.2606+00	9.1145-03	1.8914-03	9.6448-02	1.7097+05	2.3441-03	4.1100-01
20	472.74	2.8983+01	4.6905+00	1.3068-02	4.6905+00	1.3068-02	2.7118-03	1.3828-01	2.4513+05	3.3601-03	7.1100-01
21	493.20	7.0931+01	1.1813+01	3.3369-02	1.1813+01	3.3369-02	6.9246-03	3.5310-01	6.2593+05	8.5881-03	1.0880+00
22	500.97	8.4666+01	1.4257+01	4.0486-02	1.4257+01	4.0486-02	8.4015-03	4.2841-01	7.5944+05	1.0424-02	1.3070+00
23	924.38	1.0182-01	2.0850-02	8.3744-05	2.0850-02	8.3744-05	1.7378-05	8.8616-04	1.5709+03	2.2079-05	1.6410+00
24	471.02	8.4234+00	1.3909+00	3.8705-03	1.3909+00	3.8705-03	8.0320-04	4.0957-02	7.2604+04	9.9513-04	3.0090+00
25	459.79	5.6234+00	8.9942-01	2.4842-03	8.9942-01	2.4842-03	5.1552-04	2.6288-02	4.6600+04	6.3838-04	3.3930+00
26	453.98	4.7044+00	7.5409-01	2.0748-03	7.5409-01	2.0748-03	4.3057-04	2.1955-02	3.8920+04	5.3303-04	3.7770+00
27	502.77	6.4124+01	1.0583+01	3.0090-02	1.0583+01	3.0090-02	6.2441-03	3.1840-01	5.6442+05	7.7476-03	7.1100-01
28	496.91	7.3518+01	1.2273+01	3.4756-02	1.2273+01	3.4756-02	7.2125-03	3.6778-01	6.5196+05	8.9467-03	1.0880+00
29	503.41	7.7400+01	1.3171+01	3.7466-02	1.3171+01	3.7466-02	7.7748-03	3.9645-01	7.0278+05	9.6471-03	1.3070+00
30	526.35	1.0547+02	1.8263+01	5.2779-02	1.8263+01	5.2779-02	1.0953-02	5.5850-01	9.9004+05	1.3605-02	1.6410+00
31	492.43	5.4963+01	9.4529+00	2.6688-02	9.4529+00	2.6688-02	5.5382-03	2.8241-01	5.0062+05	6.8685-03	1.7720+00
32	506.07	2.7354+01	4.6766+00	1.3327-02	4.6766+00	1.3327-02	2.7656-03	1.4102-01	2.4999+05	3.4320-03	2.4660+00
33	467.62	7.2114+00	1.2059+00	3.3482-03	1.2059+00	3.3482-03	6.9480-04	3.5429-02	6.2805+04	8.6069-04	3.0090+00
34	454.52	5.5969+00	9.1395-01	2.5156-03	9.1395-01	2.5156-03	5.2202-04	2.6619-02	4.7187+04	6.4627-04	3.3930+00
35	450.59	4.7995+00	7.4877-01	2.0556-03	7.4877-01	2.0556-03	4.2657-04	2.1752-02	3.8559+04	5.2800-04	3.7770+00
36	504.17	7.4806+01	1.2584+01	3.5814-02	1.2584+01	3.5814-02	7.4321-03	3.7898-01	6.7181+05	9.2223-03	1.3070+00
37	505.24	2.3914+01	4.1348+00	1.1776-02	4.1348+00	1.1776-02	2.4438-03	1.2461-01	2.2090+05	3.0326-03	2.4660+00
38	462.98	4.7444+00	7.7919-01	2.1567-03	7.7919-01	2.1567-03	4.4756-04	2.2822-02	4.0456+04	5.5430-04	3.0090+00
39	452.44	8.7782+00	1.4228+00	3.9108-03	1.4228+00	3.9108-03	8.1156-04	4.1383-02	7.3359+04	1.0046-03	3.3930+00
40	449.87	7.4286+00	1.1910+00	3.2682-03	1.1910+00	3.2682-03	6.7821-04	3.4583-02	6.1305+04	8.3945-04	3.7770+00
41	454.80	6.0888+00	9.5863-01	2.6390-03	9.5863-01	2.6390-03	5.4765-04	2.7926-02	4.9503+04	6.7800-04	4.1620+00
43	468.36	3.7995+00	6.3567-01	1.7658-03	6.3567-01	1.7658-03	3.6643-04	1.8685-02	3.3123+04	4.5394-04	5.3230+00
47	501.20	5.3075+01	8.8310+00	2.5082-02	8.8310+00	2.5082-02	5.2050-03	2.6541-01	4.7049+05	6.4578-03	7.1100-01
48	507.20	6.6094+01	1.1241+01	3.2058-02	1.1241+01	3.2058-02	6.6526-03	3.3923-01	6.0135+05	8.2562-03	1.0880+00
49	516.31	9.7318+01	1.6746+01	4.8060-02	1.6746+01	4.8060-02	9.9734-03	5.0856-01	9.0152+05	1.2383-02	1.3070+00
50	552.03	1.1206+02	1.9828+01	5.8348-02	1.9828+01	5.8348-02	1.2108-02	6.1743-01	1.0945+06	1.5059-02	1.6410+00
51	505.99	5.4737+01	9.4965+00	2.7061-02	9.4965+00	2.7061-02	5.6156-03	2.8635-01	5.0761+05	6.9688-03	1.7720+00
52	488.81	6.6275+00	1.1372+00	3.2027-03	1.1372+00	3.2027-03	6.6462-04	3.3890-02	6.0077+04	8.2411-04	2.4660+00
53	461.98	8.2494+00	1.3539+00	3.7450-03	1.3539+00	3.7450-03	7.7716-04	3.9629-02	7.0249+04	9.6246-04	3.0090+00
54	448.03	5.1403+00	8.2562-01	2.2628-03	8.2562-01	2.2628-03	4.6956-04	2.3944-02	4.2445+04	5.8115-04	3.3930+00
55	446.15	3.3268+00	5.2392-01	1.4341-03	5.2392-01	1.4341-03	2.9760-04	1.5175-02	2.6901+04	3.6829-04	3.7770+00
56	465.92	5.4857+00	8.5122-01	2.3607-03	8.5122-01	2.3607-03	4.8989-04	2.4980-02	4.4282+04	6.0680-04	4.1100-01
57	485.85	3.6776+01	6.0217+00	1.6925-02	6.0217+00	1.6925-02	3.5123-03	1.7910-01	3.1748+05	4.3545-03	7.1100-01
58	486.01	4.7407+01	7.9533+00	2.2357-02	7.9533+00	2.2357-02	4.6394-03	2.3657-01	4.1937+05	5.7521-03	1.0880+00
59	509.89	8.0046+01	1.3678+01	3.9080-02	1.3678+01	3.9080-02	8.1098-03	4.1353-01	7.3306+05	1.0066-02	1.3070+00
60	559.16	1.1938+02	2.1088+01	6.2372-02	2.1088+01	6.2372-02	1.2943-02	6.6000-01	1.1700+06	1.6103-02	1.6410+00
61	459.25	8.3216+00	1.3592+00	3.7527-03	1.3592+00	3.7527-03	7.7875-04	3.9710-02	7.0394+04	9.6432-04	3.0090+00
62	445.40	5.3932+00	8.6469-01	2.3657-03	8.6469-01	2.3657-03	4.9093-04	2.5033-02	4.4376+04	6.0752-04	3.3930+00
63	446.38	3.1844+00	5.0158-01	1.3732-03	5.0158-01	1.3732-03	2.8496-04	1.4531-02	2.5758+04	3.5265-04	3.7770+00
64	456.83	1.5936+01	2.6767+00	7.3788-03	2.6767+00	7.3788-03	1.5312-03	7.8080-02	1.3841+05	1.8959-03	1.0880+00
65	461.28	2.4605+01	4.1454+00	1.1461-02	4.1454+00	1.1461-02	2.3784-03	1.2128-01	2.1499+05	2.9454-03	1.3070+00
66	508.16	6.8438+01	1.1890+01	3.3932-02	1.1890+01	3.3932-02	7.0415-03	3.5906-01	6.3650+05	8.7392-03	1.6410+00
69	465.80	1.2177+01	2.0578+00	5.7066-03	2.0578+00	5.7066-03	1.1842-03	6.0386-02	1.0705+05	1.4668-03	4.1100-01
70	451.62	4.1922+00	7.0168-01	1.9276-03	7.0168-01	1.9276-03	4.0001-04	2.0398-02	3.6158+04	4.9516-04	7.1100-01
71	454.27	7.6961+00	1.2867+00	3.5410-03	1.2867+00	3.5410-03	7.3481-04	3.7470-02	6.6422+04	9.0970-04	1.3070+00
72	469.02	1.3175+01	2.2313+00	6.2009-03	2.2313+00	6.2009-03	1.2868-03	6.5617-02	1.1632+05	1.5941-03	1.6410+00
73	460.94	5.9003+00	9.5607-01	2.6427-03	9.5607-01	2.6427-03	5.4841-04	2.7965-02	4.9573+04	6.7914-04	3.7770+00
74	477.87	4.9049+00	8.1604-01	2.2814-03	8.1604-01	2.2814-03	4.7342-04	2.4141-02	4.2794+04	5.8673-04	5.3230+00
77	448.28	6.4857+00	1.0736+00	2.9428-03	1.0736+00	2.9428-03	6.1068-04	3.1140-02	5.5202+04	7.5582-04	3.0090+00
78	443.52	7.6925+00	1.2542+00	3.4271-03	1.2542+00	3.4271-03	7.1119-04	3.6265-02	6.4287+04	8.8003-04	3.3930+00
79	449.63	7.2956+00	1.1731+00	3.2185-03	1.1731+00	3.2185-03	6.6789-04	3.4057-02	6.0372+04	8.2667-04	3.7770+00
80	499.48	1.8245+01	3.1614+00	8.9685-03	3.1614+00	8.9685-03	1.8611-03	9.4903-02	1.6823+05	2.3089-03	2.4660+00
81	452.08	4.9720+00	8.2515-01	2.2675-03	8.2515-01	2.2675-03	4.7054-04	2.3994-02	4.2534+04	5.8248-04	3.0090+00
82	443.04	8.5444+00	1.3968+00	3.8156-03	1.3968+00	3.8156-03	7.9179-04	4.0375-02	7.1573+04	9.7974-04	3.3930+00
83	444.35	7.5356+00	1.2220+00	3.3409-03	1.2220+00	3.3409-03	6.9330-04	3.5353-02	6.2669+04	8.5791-04	3.7770+00
337	542.06	4.5422+01	8.8371+00	2.5822-02	8.8371+00	2.5822-02	5.3585-03	2.7324-01	4.8437+05	6.6612-03	7.1680+00
339	509.33	1.8206+01	3.5449+00	1.0125-02	3.5449+00	1.0125-02	2.1010-03	1.0714-01	1.8992+05	2.6077-03	8.1130+00
340	480.19	3.7335+00	6.9847-01	1.9557-03	6.9847-01	1.9557-03	4.0584-04	2.0695-02	3.6685+04	5.0303-04	8.6180+00
342	530.94	3.4583+01	6.8965+00	1.9995-02	6.8965+00	1.9995-02	4.1492-03	2.1158-01	3.7506+05	5.1553-03	7.1680+00
344	510.70	1.9447+01	3.8096+00	1.0891-02	3.8096+00	1.0891-02	2.2600-03	1.1524-01	2.0429+05	2.8053-03	8.1130+00
347	517.22	2.3523+01	4.5068+00	1.2942-02	4.5068+00	1.2942-02	2.6858-03	1.3695-01	2.4277+05	3.3347-03	7.1680+00
349	506.84	1.8812+01	3.6666+00	1.0454-02	3.6666+00	1.0454-02	2.1695-03	1.1063-01	1.9610+05	2.6924-03	8.1130+00
350	480.06	4.2556+00	7.5149-01	2.1040-03	7.5149-01	2.1040-03	4.3661-04	2.2264-02	3.9467+04	5.4117-04	8.6180+00
352	519.72	2.1450+01	4.0173+00	1.1556-02	4.0173+00	1.1556-02	2.3982-03	1.2229-01	2.1678+05	2.9780-03	7.1680+00
354	511.87	1.6759+01	3.2683+00	9.3510-03	3.2683+00	9.3510-03	1.9405-03	9.8951-02	1.7541+05	2.4088-03	8.1130+00
357	517.66	1.7297+01	3.2264+00	9.2681-03	3.2264+00	9.2681-03	1.9233-03	9.8073-02	1.7385+05	2.3881-03	7.1680+00
359	511.90	9.9169+00	1.8078+00	5.1724-03	1.8078+00	5.1724-03	1.0734-03	5.4733-02	9.7024+04	1.3324-03	8.1130+00
401	499.26	4.1182+01	3.5155+00	9.9715-03	3.5155+00	9.9715-03	2.0693-03	1.0552-01	1.8705+05	2.5671-03	4.5500-01
403	530.46	6.9362+01	5.9671+00	1.7294-02	5.9671+00	1.7294-02	3.5889-03	1.8300-01	3.2441+05	4.4589-03	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0062-10	-4.0033-07	-3.0062-10	-6.2384-11	-3.1811-09	-5.6390-03	-6.6435-11	8.0100-01
405	580.89	1.1660+02	1.0338+01	3.1059-02	1.0338+01	3.1059-02	6.4453-03	3.2866-01	5.8261+05	8.0275-03	1.0510+00
406	571.85	1.2735+02	1.1299+01	3.3725-02	1.1299+01	3.3725-02	6.9985-03	3.5687-01	6.3262+05	8.7127-03	1.1670+00
407	595.65	1.4275+02	1.3070+01	3.9693-02	1.3070+01	3.9693-02	8.2371-03	4.2003-01	7.4457+05	1.0267-02	1.2830+00
408	529.87	7.6463+01	6.4968+00	1.8822-02	6.4968+00	1.8822-02	3.9058-03	1.9917-01	3.5306+05	4.8526-03	5.1300-01
409	477.26	2.4091+01	2.0152+00	5.6315-03	2.0152+00	5.6315-03	1.1686-03	5.9591-02	1.0564+05	1.4483-03	5.7000-01
410	512.85	5.4121+01	4.4671+00	1.2790-02	4.4671+00	1.2790-02	2.6541-03	1.3534-01	2.3991+05	3.2947-03	6.2800-01
411	479.49	2.3117+01	1.9366+00	5.4199-03	1.9366+00	5.4199-03	1.1247-03	5.7352-02	1.0167+05	1.3940-03	6.8600-01
412	513.34	5.0420+01	4.2914+00	1.2291-02	4.2914+00	1.2291-02	2.5505-03	1.3006-01	2.3055+05	3.1663-03	7.4400-01
413	487.64	3.6673+01	3.1071+00	8.7437-03	3.1071+00	8.7437-03	1.8145-03	9.2524-02	1.6401+05	2.2498-03	8.0100-01
414	532.78	7.9752+01	6.8707+00	1.9946-02	6.8707+00	1.9946-02	4.1391-03	2.1106-01	3.7414+05	5.1431-03	8.5900-01
415	505.48	5.3201+01	4.5326+00	1.2911-02	4.5326+00	1.2911-02	2.6793-03	1.3662-01	2.4219+05	3.3249-03	9.1700-01
416	537.42	7.3712+01	5.9491+00	1.7326-02	5.9491+00	1.7326-02	3.5955-03	1.8334-01	3.2501+05	4.4687-03	5.7000-01
417	561.24	1.0858+02	9.5166+00	2.8189-02	9.5166+00	2.8189-02	5.8497-03	2.9829-01	5.2877+05	7.2787-03	1.0520+00

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42 1 6.97 -5.03 .00 -.00 402 11 2.40 10.18 1660.0 1869.6

9.04698+01 3.40261-02 2.46861+00 4.74482+03 3.15552-05 7.32806-08 1.71409-01 7.72000+00 7.64463-06 7.40030-02

1	473.02	2.4040+01	4.0822+00	1.1371-02	4.0822+00	1.1371-02	2.3604-03	1.2032-01	2.1317+05	2.9231-03	4.1100-01
2	527.15	7.7644+01	1.3651+01	3.9457-02	1.3651+01	3.9457-02	8.1908-03	4.1752-01	7.3972+05	1.0169-02	7.1100-01
3	523.94	6.9868+01	1.2259+01	3.5355-02	1.2259+01	3.5355-02	7.3393-03	3.7412-01	6.6281+05	9.1105-03	1.3070+00
4	559.16	9.6058+01	1.7220+01	5.0910-02	1.7220+01	5.0910-02	1.0568-02	5.3872-01	9.5444+05	1.3141-02	1.6410+00
5	528.96	6.6113+01	1.2181+01	3.5252-02	1.2181+01	3.5252-02	7.3180-03	3.7303-01	6.6089+05	9.0863-03	1.7720+00
6	501.75	1.7775+01	3.0305+00	8.6068-03	3.0305+00	8.6068-03	1.7867-03	9.1075-02	1.6136+05	2.2155-03	2.4660+00
7	455.93	4.6613+00	7.6876-01	2.1171-03	7.6876-01	2.1171-03	4.3948-04	2.2402-02	3.9690+04	5.4382-04	3.0090+00
8	449.36	1.1558+01	1.8807+00	5.1568-03	1.8807+00	5.1568-03	1.0705-03	5.4568-02	9.6677+04	1.3242-03	3.3930+00
9	445.42	9.6052+00	1.5587+00	4.2629-03	1.5587+00	4.2629-03	8.8494-04	4.5109-02	7.9919+04	1.0945-03	3.7770+00
10	471.61	7.5397+00	1.2492+00	3.4762-03	1.2492+00	3.4762-03	7.2163-04	3.6785-02	6.5170+04	8.9359-04	5.3230+00
14	502.27	6.0400+01	1.0454+01	2.9701-02	1.0454+01	2.9701-02	6.1657-03	3.1429-01	5.5682+05	7.6458-03	1.0880+00
15	529.83	8.4891+01	1.4950+01	4.3292-02	1.4950+01	4.3292-02	8.9869-03	4.5811-01	8.1161+05	1.1159-02	1.3070+00
16	563.21	1.0719+02	1.9262+01	5.7112-02	1.9262+01	5.7112-02	1.1856-02	6.0435-01	1.0707+06	1.4745-02	1.6410+00
19	483.02	2.0947+01	3.2560+00	9.1305-03	3.2560+00	9.1305-03	1.8954-03	9.6616-02	1.7117+05	2.3483-03	4.1100-01
20	480.19	2.9971+01	4.8744+00	1.3643-02	4.8744+00	1.3643-02	2.8321-03	1.4436-01	2.5577+05	3.5084-03	7.1100-01
21	510.64	6.9412+01	1.1690+01	3.3403-02	1.1690+01	3.3403-02	6.9341-03	3.5346-01	6.2622+05	8.6021-03	1.0880+00
22	521.59	8.1997+01	1.3989+01	4.0276-02	1.3989+01	4.0276-02	8.3609-03	4.2619-01	7.5507+05	1.0377-02	1.3070+00
23	924.41	1.4649-01	2.9999-02	1.2042-04	2.9999-02	1.2042-04	2.4999-05	1.2743-03	2.2577+03	3.1740-05	1.6410+00
24	473.15	8.5377+00	1.4118+00	3.9326-03	1.4118+00	3.9326-03	8.1637-04	4.1614-02	7.3727+04	1.0110-03	3.0090+00
25	461.22	5.7423+00	9.1934-01	2.5407-03	9.1934-01	2.5407-03	5.2741-04	2.6885-02	4.7631+04	6.5278-04	3.3930+00
26	455.22	4.9143+00	7.8840-01	2.1701-03	7.8840-01	2.1701-03	4.5050-04	2.2964-02	4.0685+04	5.5743-04	3.7770+00
27	518.88	6.3760+01	1.0631+01	3.0550-02	1.0631+01	3.0550-02	6.3419-03	3.2328-01	5.7274+05	7.8705-03	7.1100-01
28	515.10	7.1947+01	1.2151+01	3.4828-02	1.2151+01	3.4828-02	7.2299-03	3.6854-01	6.5293+05	8.9709-03	1.0880+00
29	522.40	7.5412+01	1.2988+01	3.7416-02	1.2988+01	3.7416-02	7.7671-03	3.9592-01	7.0145+05	9.6408-03	1.3070+00
30	552.01	1.0150+02	1.7854+01	5.2517-02	1.7854+01	5.2517-02	1.0902-02	5.5572-01	9.8455+05	1.3551-02	1.6410+00
31	506.19	5.4922+01	9.5298+00	2.7148-02	9.5298+00	2.7148-02	5.6357-03	2.8728-01	5.0896+05	6.9899-03	1.7720+00
32	513.06	2.8024+01	4.8125+00	1.3775-02	4.8125+00	1.3775-02	2.8595-03	1.4576-01	2.5824+05	3.5477-03	2.4660+00
33	469.44	7.2956+00	1.2215+00	3.3941-03	1.2215+00	3.3941-03	7.0458-04	3.5916-02	6.3631+04	8.7239-04	3.0090+00
34	455.96	5.6727+00	9.2724-01	2.5536-03	9.2724-01	2.5536-03	5.3009-04	2.7021-02	4.7873+04	6.5594-04	3.3930+00
35	451.74	4.6919+00	7.3257-01	2.0118-03	7.3257-01	2.0118-03	4.1763-04	2.1289-02	3.7717+04	5.1668-04	3.7770+00
36	522.39	7.2671+01	1.2366+01	3.5626-02	1.2366+01	3.5626-02	7.3955-03	3.7698-01	6.6789+05	9.1796-03	1.3070+00
37	511.38	2.4974+01	4.3350+00	1.2393-02	4.3350+00	1.2393-02	2.5728-03	1.3115-01	2.3235+05	3.1917-03	2.4660+00
38	464.20	4.9642+00	8.1595-01	2.2594-03	8.1595-01	2.2594-03	4.6903-04	2.3909-02	4.2358+04	5.8060-04	3.0090+00
39	454.62	8.6649+00	1.4065+00	3.8701-03	1.4065+00	3.8701-03	8.0339-04	4.0952-02	7.2554+04	9.9406-04	3.3930+00
40	451.67	7.3013+00	1.1721+00	3.2187-03	1.1721+00	3.2187-03	6.6817-04	3.4060-02	6.0343+04	8.2664-04	3.7770+00
41	456.37	6.2416+00	9.8372-01	2.7098-03	9.8372-01	2.7098-03	5.6253-04	2.8675-02	5.0802+04	6.9610-04	4.1620+00
43	469.30	3.7953+00	6.3537-01	1.7654-03	6.3537-01	1.7654-03	3.6647-04	1.8681-02	3.3096+04	4.5375-04	5.3230+00
47	514.40	5.2400+01	8.7922+00	2.5189-02	8.7922+00	2.5189-02	5.2289-03	2.6654-01	4.7223+05	6.4879-03	7.1100-01
48	523.39	6.4689+01	1.1115+01	3.2041-02	1.1115+01	3.2041-02	6.6515-03	3.3905-01	6.0069+05	8.2564-03	1.0880+00
49	539.85	9.4048+01	1.6421+01	4.7888-02	1.6421+01	4.7888-02	9.9411-03	5.0674-01	8.9778+05	1.2350-02	1.3070+00
50	579.28	1.0783+02	1.9390+01	5.8160-02	1.9390+01	5.8160-02	1.2073-02	6.1544-01	1.0904+06	1.5027-02	1.6410+00
51	519.79	5.5193+01	9.6595+00	2.7777-02	9.6595+00	2.7777-02	5.7662-03	2.9393-01	5.2075+05	7.1564-03	1.7720+00
52	490.48	6.7694+00	1.1628+00	3.2771-03	1.1628+00	3.2771-03	6.8030-04	3.4678-02	6.1438+04	8.4314-04	2.4660+00
53	464.05	8.3325+00	1.3695+00	3.7917-03	1.3695+00	3.7917-03	7.8712-04	4.0123-02	7.1085+04	9.7435-04	3.0090+00
54	449.33	5.1673+00	8.3070-01	2.2777-03	8.3070-01	2.2777-03	4.7283-04	2.4102-02	4.2701+04	5.8490-04	3.3930+00
55	446.99	3.4000+00	5.3576-01	1.4668-03	5.3576-01	1.4668-03	3.0448-04	1.5521-02	2.7498+04	3.7662-04	3.7770+00
56	467.42	6.1465+00	9.5471-01	2.6493-03	9.5471-01	2.6493-03	5.4997-04	2.8034-02	4.9668+04	6.8089-04	4.1100-01
57	495.11	3.6877+01	6.0748+00	1.7175-02	6.0748+00	1.7175-02	3.5654-03	1.8174-01	3.2199+05	4.4198-03	7.1100-01
58	497.97	4.7285+01	7.9945+00	2.2646-02	7.9945+00	2.2646-02	4.7012-03	2.3964-01	4.2456+05	5.8286-03	1.0880+00
59	529.92	7.8903+01	1.3652+01	3.9537-02	1.3652+01	3.9537-02	8.2074-03	4.1837-01	7.4121+05	1.0191-02	1.3070+00
60	588.30	1.1456+02	2.0586+01	6.2154-02	2.0586+01	6.2154-02	1.2903-02	6.5770-01	1.1652+06	1.6067-02	1.6410+00
61	461.33	8.2738+00	1.3532+00	3.7400-03	1.3532+00	3.7400-03	7.7639-04	3.9576-02	7.0116+04	9.6095-04	3.0090+00
62	446.72	5.3642+00	8.6081-01	2.3562-03	8.6081-01	2.3562-03	4.8913-04	2.4933-02	4.4173+04	6.0499-04	3.3930+00
63	447.19	3.2634+00	5.1431-01	1.4082-03	5.1431-01	1.4082-03	2.9233-04	1.4901-02	2.6400+04	3.6158-04	3.7770+00
64	461.03	1.6569+01	2.7911+00	7.7124-03	2.7911+00	7.7124-03	1.6010-03	8.1611-02	1.4459+05	1.9816-03	1.0880+00
65	467.63	2.5114+01	4.2493+00	1.1793-02	4.2493+00	1.1793-02	2.4482-03	1.2479-01	2.2109+05	3.0310-03	1.3070+00
66	525.35	6.7888+01	1.1923+01	3.4417-02	1.1923+01	3.4417-02	7.1447-03	3.6420-01	6.4524+05	8.8695-03	1.6410+00
69	468.87	1.2450+01	2.1083+00	5.8561-03	2.1083+00	5.8561-03	1.2157-03	6.1968-02	1.0979+05	1.5052-03	4.1100-01
70	452.60	4.2369+00	7.0964-01	1.9500-03	7.0964-01	1.9500-03	4.0479-04	2.0634-02	3.6557+04	5.0081-04	7.1100-01
71	456.26	7.9262+00	1.3270+00	3.6551-03	1.3270+00	3.6551-03	7.5877-04	3.8678-02	6.8524+04	9.3891-04	1.3070+00
72	472.32	1.3221+01	2.2440+00	6.2474-03	2.2440+00	6.2474-03	1.2969-03	6.6108-02	1.1712+05	1.6060-03	1.6410+00
73	462.39	5.9268+00	9.6130-01	2.6587-03	9.6130-01	2.6587-03	5.5191-04	2.8134-02	4.9843+04	6.8314-04	3.7770+00
74	479.09	4.8956+00	8.1514-01	2.2798-03	8.1514-01	2.2798-03	4.7325-04	2.4124-02	4.2740+04	5.8623-04	5.3230+00
77	449.93	6.4281+00	1.0652+00	2.9219-03	1.0652+00	2.9219-03	6.0656-04	3.0919-02	5.4779+04	7.5036-04	3.0090+00
78	445.42	7.5834+00	1.2380+00	3.3858-03	1.2380+00	3.3858-03	7.0286-04	3.5828-02	6.3476+04	8.6931-04	3.3930+00
79	451.39	7.0670+00	1.1377+00	3.1238-03	1.1377+00	3.1238-03	6.4846-04	3.3055-02	5.8562+04	8.0224-04	3.7770+00
80	504.18	1.9116+01	3.3223+00	9.4514-03	3.3223+00	9.4514-03	1.9620-03	1.0001-01	1.7719+05	2.4332-03	2.4660+00
81	453.30	5.2873+00	8.7822-01	2.4143-03	8.7822-01	2.4143-03	5.0118-04	2.5548-02	4.5262+04	6.2009-04	3.0090+00
82	445.17	8.4816+00	1.3885+00	3.7969-03	1.3885+00	3.7969-03	7.8819-04	4.0178-02	7.1181+04	9.7483-04	3.3930+00
83	446.24	7.6255+00	1.2382+00	3.3880-03	1.2382+00	3.3880-03	7.0332-04	3.5851-02	6.3517+04	8.6991-04	3.7770+00
337	553.36	4.5056+01	8.8260+00	2.5986-02	8.8260+00	2.5986-02	5.3943-03	2.7497-01	4.8716+05	6.7056-03	7.1680+00
339	513.92	1.8396+01	3.5923+00	1.0288-02	3.5923+00	1.0288-02	2.1357-03	1.0887-01	1.9288+05	2.6499-03	8.1130+00
340	481.12	3.7621+00	7.0424-01	1.9723-03	7.0424-01	1.9723-03	4.0943-04	2.0871-02	3.6976+04	5.0722-04	8.6180+00
342	539.54	3.4351+01	6.8864+00	2.0078-02	6.8864+00	2.0078-02	4.1679-03	2.1246-01	3.7640+05	5.1776-03	7.1680+00
344	515.59	1.9497+01	3.8310+00	1.0985-02	3.8310+00	1.0985-02	2.2803-03	1.1624-01	2.0593+05	2.8295-03	8.1130+00
347	523.07	2.3362+01	4.4924+00	1.2948-02	4.4924+00	1.2948-02	2.6878-03	1.3701-01	2.4274+05	3.3363-03	7.1680+00
349	511.55	1.8786+01	3.6726+00	1.0501-02	3.6726+00	1.0501-02	2.1799-03	1.1112-01	1.9686+05	2.7044-03	8.1130+00
350	481.11	4.2675+00	7.5412-01	2.1120-03	7.5412-01	2.1120-03	4.3842-04	2.2348-02	3.9594+04	5.4314-04	8.6180+00
352	525.07	2.1349+01	4.0117+00	1.1579-02	4.0117+00	1.1579-02	2.4036-03	1.2252-01	2.1707+05	2.9838-03	7.1680+00
354	516.01	1.6619+01	3.2495+00	9.3200-03	3.2495+00	9.3200-03	1.9347-03	9.8622-02	1.7473+05	2.4007-03	8.1130+00
357	521.88	1.6835+01	3.1485+00	9.0671-03	3.1485+00	9.0671-03	1.8822-03	9.5946-02	1.6999+05	2.3363-03	7.1680+00
359	514.24	9.4691+00	1.7287+00	4.9520-03	1.7287+00	4.9520-03	1.0280-03	5.2401-02	9.2837+04	1.2755-03	8.1130+00
401	509.61	4.1300+01	3.5489+00	1.0134-02	3.5489+00	1.0134-02	2.1037-03	1.0723-01	1.8998+05	2.6096-03	4.5500-01
403	547.44	6.6374+01	5.7696+00	1.6916-02	5.7696+00	1.6916-02	3.5115-03	1.7900-01	3.1713+05	4.3639-03	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.2750-06	-5.6936-03	-4.2750-06	-8.8745-07	-4.5237-05	-8.0146+01	-9.4473-07	8.0100-01
405	608.93	1.0895+02	9.8158+00	3.0091-02	9.8158+00	3.0091-02	6.2465-03	3.1841-01	5.6412+05	7.7864-03	1.0510+00
406	602.77	1.2052+02	1.0885+01	3.3216-02	1.0885+01	3.3216-02	6.8952-03	3.5148-01	6.2271+05	8.5923-03	1.1670+00
407	629.81	1.3296+02	1.2408+01	3.8637-02	1.2408+01	3.8637-02	8.0207-03	4.0865-01	7.2435+05	1.0009-02	1.2830+00
408	548.78	7.4624+01	6.4142+00	1.8823-02	6.4142+00	1.8823-02	3.9075-03	1.9919-01	3.5289+05	4.8563-03	5.1300-01
409	483.47	2.5312+01	2.1260+00	5.9635-03	2.1260+00	5.9635-03	1.2380-03	6.3105-02	1.1180+05	1.5338-03	5.7000-01
410	526.38	5.4014+01	4.4962+00	1.2989-02	4.4962+00	1.2989-02	2.6963-03	1.3744-01	2.4350+05	3.3474-03	6.2800-01
411	485.44	2.4463+01	2.0574+00	5.7787-03	2.0574+00	5.7787-03	1.1996-03	6.1149-02	1.0834+05	1.4864-03	6.8600-01
412	526.12	5.1486+01	4.4173+00	1.2759-02	4.4173+00	1.2759-02	2.6485-03	1.3501-01	2.3919+05	3.2881-03	7.4400-01
413	497.01	3.7966+01	3.2362+00	9.1615-03	3.2362+00	9.1615-03	1.9018-03	9.6945-02	1.7175+05	2.3578-03	8.0100-01
414	552.87	7.9886+01	6.9669+00	2.0505-02	6.9669+00	2.0505-02	4.2566-03	2.1698-01	3.8441+05	5.2912-03	8.5900-01
415	518.78	5.2895+01	4.5445+00	1.3059-02	4.5445+00	1.3059-02	2.7109-03	1.3819-01	2.4482+05	3.3643-03	9.1700-01
416	555.65	7.1731+01	5.8534+00	1.7262-02	5.8534+00	1.7262-02	3.5833-03	1.8266-01	3.2361+05	4.4549-03	5.7000-01
417	588.22	1.0660+02	9.4918+00	2.8657-02	9.4918+00	2.8657-02	5.9489-03	3.0324-01	5.3725+05	7.4077-03	1.0520+00

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9.04882+01 3.40248-02 2.46852+00 4.74530+03 3.15476-05 7.32955-08 1.71351-01 7.72000+00 7.64638-06 7.40011-02

1	479.20	2.5269+01	4.3085+00	1.2052-02	4.3085+00	1.2052-02	2.5023-03	1.2754-01	2.2590+05	3.0981-03	4.1100-01
2	546.33	7.5965+01	1.3514+01	3.9595-02	1.3514+01	3.9595-02	8.2207-03	4.1899-01	7.4214+05	1.0210-02	7.1100-01
3	541.26	6.8929+01	1.2225+01	3.5690-02	1.2225+01	3.5690-02	7.4098-03	3.7766-01	6.6894+05	9.2007-03	1.3070+00
4	582.87	9.3942+01	1.7077+01	5.1365-02	1.7077+01	5.1365-02	1.0664-02	5.4353-01	9.6274+05	1.3268-02	1.6410+00
5	545.38	6.5220+01	1.2138+01	3.5541-02	1.2138+01	3.5541-02	7.3789-03	3.7608-01	6.6614+05	9.1641-03	1.7720+00
6	506.32	1.8507+01	3.1645+00	9.0169-03	3.1645+00	9.0169-03	1.8721-03	9.5414-02	1.6900+05	2.3207-03	2.4660+00
7	457.13	4.9216+00	8.1226-01	2.2389-03	8.1226-01	2.2389-03	4.6484-04	2.3692-02	4.1965+04	5.7493-04	3.0090+00
8	452.20	1.1350+01	1.8504+00	5.0839-03	1.8504+00	5.0839-03	1.0555-03	5.3797-02	9.5288+04	1.3052-03	3.3930+00
9	447.85	9.5023+00	1.5446+00	4.2316-03	1.5446+00	4.2316-03	8.7856-04	4.4778-02	7.9314+04	1.0862-03	3.7770+00
10	473.48	7.5065+00	1.2452+00	3.4700-03	1.2452+00	3.4700-03	7.2044-04	3.6719-02	6.5039+04	8.9172-04	5.3230+00
14	517.32	5.9958+01	1.0477+01	3.0081-02	1.0477+01	3.0081-02	6.2454-03	3.1831-01	5.6382+05	7.7460-03	1.0880+00
15	550.84	8.3353+01	1.4868+01	4.3704-02	1.4868+01	4.3704-02	9.0737-03	4.6246-01	8.1915+05	1.1272-02	1.3070+00
16	589.54	1.0390+02	1.8959+01	5.7305-02	1.8959+01	5.7305-02	1.1897-02	6.0638-01	1.0741+06	1.4808-02	1.6410+00
19	488.23	2.0722+01	3.2320+00	9.0963-03	3.2320+00	9.0963-03	1.8885-03	9.6254-02	1.7049+05	2.3391-03	4.1100-01
20	487.78	3.0532+01	4.9904+00	1.4041-02	4.9904+00	1.4041-02	2.9152-03	1.4858-01	2.6318+05	3.6107-03	7.1100-01
21	527.87	6.8410+01	1.1646+01	3.3683-02	1.1646+01	3.3683-02	6.9932-03	3.5642-01	6.3132+05	8.6778-03	1.0880+00
22	541.85	8.0478+01	1.3902+01	4.0604-02	1.3902+01	4.0604-02	8.4301-03	4.2966-01	7.6105+05	1.0468-02	1.3070+00
23	924.44	1.2727-01	2.6063-02	1.0465-04	2.6063-02	1.0465-04	2.1727-05	1.1074-03	1.9614+03	2.7566-05	1.6410+00
24	475.30	8.4904+00	1.4059+00	3.9226-03	1.4059+00	3.9226-03	8.1440-04	4.1508-02	7.3522+04	1.0081-03	3.0090+00
25	462.65	5.8031+00	9.2997-01	2.5728-03	9.2997-01	2.5728-03	5.3416-04	2.7225-02	4.8222+04	6.6083-04	3.3930+00
26	456.48	4.9901+00	8.0125-01	2.2077-03	8.0125-01	2.2077-03	4.5835-04	2.3361-02	4.1378+04	5.6688-04	3.7770+00
27	534.69	6.2717+01	1.0560+01	3.0688-02	1.0560+01	3.0688-02	6.3713-03	3.2473-01	5.7518+05	7.9087-03	7.1100-01
28	532.89	7.0346+01	1.2013+01	3.4866-02	1.2013+01	3.4866-02	7.2387-03	3.6894-01	6.5349+05	8.9847-03	1.0880+00
29	541.04	7.4116+01	1.2912+01	3.7691-02	1.2912+01	3.7691-02	7.8253-03	3.9884-01	7.0644+05	9.7165-03	1.3070+00
30	577.00	9.8609+01	1.7603+01	5.2722-02	1.7603+01	5.2722-02	1.0946-02	5.5790-01	9.8818+05	1.3615-02	1.6410+00
31	519.91	5.4617+01	9.5593+00	2.7495-02	9.5593+00	2.7495-02	5.7084-03	2.9095-01	5.1534+05	7.0809-03	1.7720+00
32	520.13	2.8418+01	4.9019+00	1.4101-02	4.9019+00	1.4101-02	2.9276-03	1.4921-01	2.6430+05	3.6316-03	2.4660+00
33	471.28	7.2717+00	1.2189+00	3.3918-03	1.2189+00	3.3918-03	7.0419-04	3.5891-02	6.3572+04	8.7153-04	3.0090+00
34	457.37	5.7179+00	9.3552-01	2.5791-03	9.3552-01	2.5791-03	5.3547-04	2.7292-02	4.8341+04	6.6230-04	3.3930+00
35	452.86	4.7372+00	7.4020-01	2.0346-03	7.4020-01	2.0346-03	4.2241-04	2.1529-02	3.8134+04	5.2235-04	3.7770+00
36	540.38	7.1512+01	1.2305+01	3.5903-02	1.2305+01	3.5903-02	7.4540-03	3.7991-01	6.7293+05	9.2552-03	1.3070+00
37	517.79	2.5801+01	4.4966+00	1.2914-02	4.4966+00	1.2914-02	2.6812-03	1.3666-01	2.4205+05	3.3255-03	2.4660+00
38	465.46	5.0816+00	8.3596-01	2.3170-03	8.3596-01	2.3170-03	4.8106-04	2.4518-02	4.3429+04	5.9522-04	3.0090+00
39	456.83	8.7273+00	1.4188+00	3.9100-03	1.4188+00	3.9100-03	8.1180-04	4.1375-02	7.3286+04	1.0040-03	3.3930+00
40	453.47	7.3559+00	1.1823+00	3.2510-03	1.1823+00	3.2510-03	6.7498-04	3.4402-02	6.0935+04	8.3469-04	3.7770+00
41	457.92	6.2296+00	9.8287-01	2.7106-03	9.8287-01	2.7106-03	5.6278-04	2.8683-02	5.0806+04	6.9609-04	4.1620+00
43	470.23	3.7901+00	6.3489-01	1.7654-03	6.3489-01	1.7654-03	3.6652-04	1.8681-02	3.3088+04	4.5360-04	5.3230+00
47	527.42	5.1584+01	8.7261+00	2.5230-02	8.7261+00	2.5230-02	5.2382-03	2.6698-01	4.7289+05	6.4999-03	7.1100-01
48	539.47	6.4005+01	1.1107+01	3.2385-02	1.1107+01	3.2385-02	6.7238-03	3.4270-01	6.0700+05	8.3481-03	1.0880+00
49	563.13	9.2654+01	1.6406+01	4.8648-02	1.6406+01	4.8648-02	1.0100-02	5.1478-01	9.1181+05	1.2554-02	1.3070+00
50	605.81	1.0476+02	1.9125+01	5.8502-02	1.9125+01	5.8502-02	1.2146-02	6.1906-01	1.0965+06	1.5129-02	1.6410+00
51	533.61	5.5366+01	9.7732+00	2.8380-02	9.7732+00	2.8380-02	5.8922-03	3.0031-01	5.3193+05	7.3136-03	1.7720+00
52	492.20	6.9912+00	1.2022+00	3.3927-03	1.2022+00	3.3927-03	7.0440-04	3.5901-02	6.3591+04	8.7262-04	2.4660+00
53	466.15	8.2951+00	1.3652+00	3.7858-03	1.3652+00	3.7858-03	7.8600-04	4.0060-02	7.0958+04	9.7255-04	3.0090+00
54	450.62	4.9039+00	7.8906-01	2.1657-03	7.8906-01	2.1657-03	4.4963-04	2.2917-02	4.0591+04	5.5595-04	3.3930+00
55	447.85	3.4930+00	5.5074-01	1.5088-03	5.5074-01	1.5088-03	3.1326-04	1.5966-02	2.8280+04	3.8728-04	3.7770+00
56	469.03	6.5803+00	1.0232+00	2.8428-03	1.0232+00	2.8428-03	5.9021-04	3.0081-02	5.3282+04	7.3038-04	4.1100-01
57	504.32	3.6608+01	6.0663+00	1.7262-02	6.0663+00	1.7262-02	3.5838-03	1.8266-01	3.2354+05	4.4422-03	7.1100-01
58	509.73	4.6700+01	7.9553+00	2.2721-02	7.9553+00	2.2721-02	4.7173-03	2.4043-01	4.2586+05	5.8487-03	1.0880+00
59	549.41	7.7047+01	1.3491+01	3.9614-02	1.3491+01	3.9614-02	8.2247-03	4.1919-01	7.4250+05	1.0216-02	1.3070+00
60	616.38	1.1030+02	2.0136+01	6.2080-02	2.0136+01	6.2080-02	1.2889-02	6.5692-01	1.1636+06	1.6063-02	1.6410+00
61	463.40	8.2519+00	1.3516+00	3.7410-03	1.3516+00	3.7410-03	7.7671-04	3.9587-02	7.0119+04	9.6093-04	3.0090+00
62	448.05	5.4525+00	8.7578-01	2.3996-03	8.7578-01	2.3996-03	4.9820-04	2.5392-02	4.4976+04	6.1594-04	3.3930+00
63	448.00	3.2899+00	5.1877-01	1.4214-03	5.1877-01	1.4214-03	2.9510-04	1.5041-02	2.6641+04	3.6484-04	3.7770+00
64	465.17	1.6572+01	2.7994+00	7.7578-03	2.7994+00	7.7578-03	1.6107-03	8.2092-02	1.4541+05	1.9929-03	1.0880+00
65	473.92	2.5086+01	4.2624+00	1.1881-02	4.2624+00	1.1881-02	2.4668-03	1.2573-01	2.2269+05	3.0533-03	1.3070+00
66	542.18	6.6611+01	1.1820+01	3.4531-02	1.1820+01	3.4531-02	7.1693-03	3.6540-01	6.4722+05	8.9024-03	1.6410+00
69	472.02	1.2580+01	2.1347+00	5.9429-03	2.1347+00	5.9429-03	1.2339-03	6.2886-02	1.1139+05	1.5271-03	4.1100-01
70	453.69	4.4956+00	7.5352-01	2.0723-03	7.5352-01	2.0723-03	4.3025-04	2.1929-02	3.8842+04	5.3207-04	7.1100-01
71	458.23	7.9200+00	1.3277+00	3.6624-03	1.3277+00	3.6624-03	7.6039-04	3.8755-02	6.8645+04	9.4052-04	1.3070+00
72	475.61	1.3147+01	2.2363+00	6.2407-03	2.2363+00	6.2407-03	1.2957-03	6.6038-02	1.1697+05	1.6039-03	1.6410+00
73	463.88	5.9901+00	9.7256-01	2.6928-03	9.7256-01	2.6928-03	5.5908-04	2.8495-02	5.0472+04	6.9170-04	3.7770+00
74	480.32	4.9642+00	8.2723-01	2.3158-03	8.2723-01	2.3158-03	4.8080-04	2.4505-02	4.3405+04	5.9530-04	5.3230+00
77	451.54	6.4644+00	1.0724+00	2.9452-03	1.0724+00	2.9452-03	6.1148-04	3.1166-02	5.5203+04	7.5611-04	3.0090+00
78	447.30	7.5532+00	1.2347+00	3.3814-03	1.2347+00	3.3814-03	7.0204-04	3.5781-02	6.3378+04	8.6791-04	3.3930+00
79	453.11	7.0987+00	1.1442+00	3.1454-03	1.1442+00	3.1454-03	6.5305-04	3.3284-02	5.8955+04	8.0756-04	3.7770+00
80	509.06	1.9778+01	3.4481+00	9.8435-03	3.4481+00	9.8435-03	2.0437-03	1.0416-01	1.8450+05	2.5338-03	2.4660+00
81	454.73	5.8634+00	9.7486-01	2.6829-03	9.7486-01	2.6829-03	5.5701-04	2.8390-02	5.0285+04	6.8886-04	3.0090+00
82	447.26	8.3096+00	1.3624+00	3.7309-03	1.3624+00	3.7309-03	7.7460-04	3.9479-02	6.9928+04	9.5762-04	3.3930+00
83	448.14	7.5600+00	1.2291+00	3.3680-03	1.2291+00	3.3680-03	6.9926-04	3.5639-02	6.3127+04	8.6451-04	3.7770+00
337	564.60	4.4569+01	8.7892+00	2.6090-02	8.7892+00	2.6090-02	5.4167-03	2.7608-01	4.8900+05	6.7334-03	7.1680+00
339	518.52	1.8488+01	3.6207+00	1.0404-02	3.6207+00	1.0404-02	2.1601-03	1.1009-01	1.9501+05	2.6792-03	8.1130+00
340	482.06	3.8348+00	7.1830-01	2.0132-03	7.1830-01	2.0132-03	4.1798-04	2.1303-02	3.7734+04	5.1756-04	8.6180+00
342	548.08	3.4247+01	6.9014+00	2.0246-02	6.9014+00	2.0246-02	4.2035-03	2.1424-01	3.7948+05	5.2211-03	7.1680+00
344	520.45	1.9426+01	3.8289+00	1.1017-02	3.8289+00	1.1017-02	2.2873-03	1.1658-01	2.0649+05	2.8374-03	8.1130+00
347	528.95	2.3273+01	4.4916+00	1.3000-02	4.4916+00	1.3000-02	2.6991-03	1.3757-01	2.4367+05	3.3495-03	7.1680+00
349	516.22	1.8663+01	3.6592+00	1.0498-02	3.6592+00	1.0498-02	2.1796-03	1.1109-01	1.9677+05	2.7032-03	8.1130+00
350	482.20	4.3319+00	7.6605-01	2.1473-03	7.6605-01	2.1473-03	4.4581-04	2.2722-02	4.0246+04	5.5202-04	8.6180+00
352	530.39	2.1244+01	4.0051+00	1.1604-02	4.0051+00	1.1604-02	2.4092-03	1.2279-01	2.1750+05	2.9900-03	7.1680+00
354	520.17	1.6563+01	3.2469+00	9.3407-03	3.2469+00	9.3407-03	1.9393-03	9.8841-02	1.7507+05	2.4056-03	8.1130+00
357	526.08	1.6777+01	3.1460+00	9.0876-03	3.1460+00	9.0876-03	1.8868-03	9.6163-02	1.7033+05	2.3411-03	7.1680+00
359	516.58	9.2769+00	1.6961+00	4.8672-03	1.6961+00	4.8672-03	1.0105-03	5.1504-02	9.1227+04	1.2533-03	8.1130+00
401	519.95	4.1205+01	3.5639+00	1.0251-02	3.5639+00	1.0251-02	2.1283-03	1.0847-01	1.9214+05	2.6400-03	4.5500-01
403	563.63	6.3489+01	5.5726+00	1.6530-02	5.5726+00	1.6530-02	3.4319-03	1.7492-01	3.0982+05	4.2660-03	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1357-06	-2.8443-03	-2.1357-06	-4.4342-07	-2.2600-05	-4.0030+01	-4.7193-07	8.0100-01
405	635.22	1.0219+02	9.3402+00	2.9208-02	9.3402+00	2.9208-02	6.0641-03	3.0907-01	5.4745+05	7.5648-03	1.0510+00
406	632.07	1.1399+02	1.0463+01	3.2642-02	1.0463+01	3.2642-02	6.7771-03	3.4541-01	6.1182+05	8.4529-03	1.1670+00
407	661.94	1.2503+02	1.1870+01	3.7887-02	1.1870+01	3.7887-02	7.8661-03	4.0091-01	7.1012+05	9.8262-03	1.2830+00
408	567.21	7.2499+01	6.3005+00	1.8737-02	6.3005+00	1.8737-02	3.8902-03	1.9827-01	3.5119+05	4.8365-03	5.1300-01
409	489.95	2.6383+01	2.2254+00	6.2705-03	2.2254+00	6.2705-03	1.3019-03	6.6353-02	1.1753+05	1.6126-03	5.7000-01
410	539.89	5.3749+01	4.5116+00	1.3159-02	4.5116+00	1.3159-02	2.7320-03	1.3924-01	2.4664+05	3.3921-03	6.2800-01
411	491.73	2.5756+01	2.1750+00	6.1360-03	2.1750+00	6.1360-03	1.2739-03	6.4930-02	1.1501+05	1.5782-03	6.8600-01
412	539.13	5.2330+01	4.5259+00	1.3194-02	4.5259+00	1.3194-02	2.7392-03	1.3961-01	2.4729+05	3.4009-03	7.4400-01
413	506.66	3.8867+01	3.3336+00	9.5009-03	3.3336+00	9.5009-03	1.9726-03	1.0054-01	1.7808+05	2.4453-03	8.0100-01
414	572.85	7.9077+01	6.9785+00	2.0838-02	6.9785+00	2.0838-02	4.3264-03	2.2051-01	3.9057+05	5.3803-03	8.5900-01
415	531.92	5.2501+01	4.5478+00	1.3190-02	4.5478+00	1.3190-02	2.7386-03	1.3958-01	2.4723+05	3.3989-03	9.1700-01
416	573.33	6.9445+01	5.7264+00	1.7105-02	5.7264+00	1.7105-02	3.5514-03	1.8100-01	3.2061+05	4.4165-03	5.7000-01
417	614.62	1.0383+02	9.3837+00	2.8893-02	9.3837+00	2.8893-02	5.9987-03	3.0574-01	5.4154+05	7.4753-03	1.0520+00

42 1 6.97 -5.03 .00 -.00 4C2 11 3.15 10.18 1660.0 1870.3

9.05066+01 3.40236-02 2.46843+00 4.74578+03 3.15400-05 7.33103-08 1.71292-01 7.72000+00 7.64813-C6 7.39993-02

1	492.41	2.7548+01	4.7379+00	1.3395-02	4.7379+00	1.3395-02	2.7814-03	1.4174-01	2.5100+05	3.4386-03	4.1100-01
2	583.47	7.2729+01	1.3226+01	3.9868-02	1.3226+01	3.9868-02	8.2785-03	4.2187-01	7.4708+05	1.0278-02	7.1100-01
3	575.31	6.7049+01	1.2135+01	3.6364-02	1.2135+01	3.6364-02	7.5509-03	3.8480-01	6.8142+05	9.3710-03	1.3070+00
4	628.90	9.0060+01	1.6800+01	5.2381-02	1.68C0+01	5.2381-02	1.0877-02	5.5428-01	9.8156+05	1.3534-02	1.6410+00
5	577.55	6.3395+01	1.2026+01	3.6096-02	1.2026+01	3.6096-02	7.4952-03	3.8196-01	6.7640+05	9.3030-03	1.7720+00
6	515.85	1.9465+01	3.3485+00	9.6203-03	3.3485+00	9.6203-03	1.9976-03	1.0180-01	1.8027+05	2.4723-03	2.4660+00
7	459.68	5.2281+00	8.6443-01	2.3906-03	8.6443-01	2.3906-03	4.9641-04	2.5297-02	4.4798+04	6.1281-04	3.0090+00
8	457.84	1.1444+01	1.8729+00	5.1733-03	1.8729+00	5.1733-03	1.0742-03	5.4743-02	9.6942+04	1.3260-03	3.3930+00
9	452.50	9.3210+00	1.5200+00	4.1837-03	1.5200+00	4.1837-03	8.6872-04	4.4270-02	7.8397+04	1.0721-03	3.7770+00
10	477.21	7.4525+00	1.2393+00	3.4679-03	1.2393+00	3.4679-03	7.2010-04	3.6697-02	6.4985+04	8.8966-04	5.3230+00
14	547.13	5.9176+01	1.0532+01	3.0930-02	1.0532+01	3.0930-02	6.4224-03	3.2729-01	5.7958+05	7.9600-03	1.0880+00
15	591.76	8.0252+01	1.4663+01	4.4471-02	1.4663+01	4.4471-02	9.2343-03	4.7058-01	8.3333+05	1.1469-02	1.3070+00
16	639.96	9.7487+01	1.8295+01	5.7524-02	1.8295+01	5.7524-02	1.1945-02	6.0870-01	1.0779+06	1.4870-02	1.6410+00
19	498.43	2.0215+01	3.1739+00	9.0099-03	3.1739+00	9.0099-03	1.8709-03	9.5341-02	1.6884+05	2.3136-03	4.1100-01
20	503.29	3.1488+01	5.1984+00	1.4806-02	5.1984+00	1.4806-02	3.0745-03	1.5668-01	2.7745+05	3.8029-03	7.1100-01
21	561.55	6.6410+01	1.1539+01	3.4236-02	1.1539+01	3.4236-02	7.1090-03	3.6228-01	6.4154+05	8.8169-03	1.0880+00
22	581.36	7.7657+01	1.3733+01	4.1335-02	1.3733+01	4.1335-02	8.5831-03	4.3740-01	7.7457+05	1.0655-02	1.3070+00
23	924.55	1.4130-01	2.8937-02	1.1648-04	2.8937-02	1.1648-04	2.4186-05	1.2325-03	2.1826+03	3.0598-05	1.6410+00
24	479.49	8.3974+00	1.3944+00	3.9078-03	1.3944+00	3.9078-03	8.1144-04	4.1351-02	7.3227+04	1.0026-03	3.0090+00
25	465.59	5.9065+00	9.4840-01	2.6332-03	9.4840-01	2.6332-03	5.4678-04	2.7864-02	4.9344+04	6.7518-04	3.3930+00
26	458.98	5.0239+00	8.0804-01	2.2337-03	8.0804-01	2.2337-03	4.6381-04	2.3636-02	4.1856+04	5.7256-04	3.7770+00
27	565.48	6.0223+01	1.0330+01	3.0736-02	1.0330+01	3.0736-02	6.3822-03	3.2524-01	5.7595+05	7.9169-03	7.1100-01
28	567.28	6.7565+01	1.1779+01	3.5094-02	1.1779+01	3.5094-02	7.2872-03	3.7136-01	6.5763+05	9.0404-03	1.0880+00
29	577.60	7.2304+01	1.2874+01	3.8642-02	1.2874+01	3.8642-02	8.0238-03	4.0890-01	7.2410+05	9.9591-03	1.3070+00
30	624.94	9.3443+01	1.7139+01	5.3279-02	1.7139+01	5.3279-02	1.1063-02	5.6379-01	9.9839+05	1.3763-02	1.6410+00
31	547.05	5.4029+01	9.6158+00	2.8237-02	9.6158+00	2.8237-02	5.8633-03	2.9880-01	5.2913+05	7.2670-03	1.7720+00
32	534.49	2.8946+01	5.0377+00	1.4663-02	5.0377+00	1.4663-02	3.0447-03	1.5516-01	2.7476+05	3.7714-03	2.4660+00
33	474.90	7.2286+00	1.2146+00	3.3935-03	1.2146+00	3.3935-03	7.0466-04	3.5910-02	6.3591+04	8.7049-04	3.0090+00
34	460.23	5.7018+00	9.3470-01	2.5859-03	9.3470-01	2.5859-03	5.3696-04	2.7364-02	4.8457+04	6.6289-04	3.3930+00
35	455.39	5.1439+00	8.0514-01	2.2203-03	8.0514-01	2.2203-03	4.6104-04	2.3495-02	4.1606+04	5.6905-04	3.7770+00
36	575.67	6.9684+01	1.2246+01	3.6705-02	1.2246+01	3.6705-02	7.6216-03	3.8840-01	6.8781+05	9.4590-03	1.3070+00
37	530.94	2.6585+01	4.6714+00	1.3563-02	4.6714+00	1.3563-02	2.8163-03	1.4352-01	2.5415+05	3.4879-03	2.4660+00
38	468.07	5.3797+00	8.8656-01	2.4656-03	8.8656-01	2.4656-03	5.1198-04	2.6091-02	4.6203+04	6.3227-04	3.0090+00
39	461.09	8.7408+00	1.4251+00	3.9449-03	1.4251+00	3.9449-03	8.1915-04	4.1744-02	7.3923+04	1.0113-03	3.3930+00
40	457.29	7.6982+00	1.2405+00	3.4254-03	1.24C5+00	3.4254-03	7.1127-04	3.6246-02	6.4187+04	8.7796-04	3.7770+00
41	461.04	6.2042+00	9.8093-01	2.7153-03	9.8093-01	2.7153-03	5.6382-04	2.8733-02	5.0881+04	6.9608-04	4.1620+00
43	472.17	3.8239+00	6.4138-01	1.7886-03	6.4138-01	1.7886-03	3.7140-04	1.8927-02	3.3517+04	4.5875-04	5.3230+00
47	552.74	4.9611+01	8.5230+00	2.5129-02	8.5230+00	2.5129-02	5.2180-03	2.6591-01	4.7089+05	6.4690-03	7.1100-01
48	571.18	6.2793+01	1.1105+01	3.3179-02	1.1105+01	3.3179-02	6.8895-03	3.5109-01	6.2173+05	8.5485-03	1.0880+00
49	608.93	9.0689+01	1.6487+01	5.0641-02	1.6487+01	5.0641-02	1.0515-02	5.3587-01	9.4896+05	1.3071-02	1.3070+00
50	656.74	9.9069+01	1.8594+01	5.9223-02	1.8594+01	5.9223-02	1.2298-02	6.2669-01	1.1098+06	1.5323-02	1.6410+00
51	561.37	5.5506+01	9.9638+00	2.9559-02	9.9638+C0	2.9559-02	6.1378-03	3.1279-01	5.5390+05	7.6124-03	1.7720+00
52	495.81	7.3423+00	1.2656+00	3.5862-03	1.2656+00	3.5862-03	7.4466-04	3.7948-02	6.7201+04	9.2077-04	2.4660+00
53	470.24	8.0914+00	1.3354+00	3.7192-03	1.3354+00	3.7192-03	7.7228-04	3.9356-02	6.9693+04	9.5382-04	3.0090+00
54	452.90	4.7101+00	7.5906-01	2.0898-03	7.5906-01	2.0898-03	4.3395-04	2.2114-02	3.9161+04	5.3555-04	3.3930+00
55	449.60	3.5418+00	5.5911-01	1.5360-03	5.5911-01	1.5360-03	3.1894-04	1.6253-02	2.8782+04	3.9355-04	3.7770+00
56	472.45	7.0914+00	1.1052+00	3.0827-03	1.1052+00	3.0827-03	6.4010-04	3.2620-02	5.7766+04	7.9066-04	4.1100-01
57	522.43	3.5666+01	5.9782+00	1.7254-02	5.9782+00	1.7254-02	3.5827-03	1.8258-01	3.2332+05	4.4354-03	7.1100-01
58	532.67	4.4832+01	7.7473+00	2.2520-02	7.7473+00	2.2520-02	4.6763-03	2.3831-01	4.2201+05	5.7920-03	1.0880+00
59	587.01	7.3192+01	1.3103+01	3.9600-02	1.3103+01	3.9600-02	8.2229-03	4.1904-01	7.4206+05	1.0211-02	1.3070+00
60	669.44	1.0206+02	1.9170+01	6.1663-02	1.9170+01	6.1663-02	1.2804-02	6.5250-01	1.1555+06	1.5964-02	1.6410+00
61	467.48	8.0384+00	1.3202+00	3.6701-03	1.3202+00	3.6701-03	7.6209-04	3.8837-02	6.8774+04	9.4113-04	3.0090+00
62	450.81	5.2556+00	8.4576-01	2.3253-03	8.4576-01	2.3253-03	4.8284-04	2.4606-02	4.3573+04	5.9583-04	3.3930+00
63	449.68	3.3668+00	5.3151-01	1.4602-03	5.3151-01	1.4602-03	3.0321-04	1.5452-02	2.7363+04	3.7415-04	3.7770+00
64	473.41	1.6279+01	2.7650+00	7.7174-03	2.7650+00	7.7174-03	1.6025-03	8.1664-02	1.4462+05	1.9795-03	1.0880+00
65	486.40	2.4824+01	4.2528+00	1.1974-02	4.2528+00	1.1974-02	2.4864-03	1.2671-01	2.2438+05	3.0731-03	1.3070+00
66	574.88	6.3998+01	1.1580+01	3.4689-02	1.1580+01	3.4689-02	7.2032-03	3.6708-01	6.5004+05	8.9393-03	1.6410+00
69	478.34	1.2556+01	2.1396+00	5.9917-03	2.1396+00	5.9917-03	1.2442-03	6.3403-02	1.1228+05	1.5372-03	4.1100-01
70	456.04	4.6842+00	7.8639-01	2.1696-03	7.8639-01	2.1696-03	4.5050-04	2.2958-02	4.0655+04	5.5606-04	7.1100-01
71	462.21	8.0473+00	1.3527+00	3.7472-03	1.3527+00	3.7472-03	7.7810-04	3.9653-02	7.0219+04	9.6068-04	1.3070+00
72	482.17	1.3037+01	2.2272+00	6.2530-03	2.2272+00	6.2530-03	1.2984-03	6.6168-02	1.1717+05	1.6045-03	1.6410+00
73	466.89	5.9740+00	9.7190-01	2.7008-03	9.7190-01	2.7008-03	5.6081-04	2.8579-02	5.0610+04	6.9255-04	3.7770+00
74	482.84	4.9538+00	8.2687-01	2.3225-03	8.2687-01	2.3225-03	4.8227-04	2.4577-02	4.3522+04	5.9597-04	5.3230+00
77	454.82	7.0301+00	1.1689+00	3.2223-03	1.1689+00	3.2223-03	6.6910-04	3.4098-02	6.0382+04	8.2583-04	3.0090+00
78	451.00	7.1226+00	1.1673+00	3.2096-03	1.1673+00	3.2096-03	6.6647-04	3.3964-02	6.0145+04	8.2244-04	3.3930+00
79	456.80	7.4249+00	1.1998+00	3.3117-03	1.1998+00	3.3117-03	6.8766-04	3.5043-02	6.2057+04	8.4880-04	3.7770+00
80	519.18	2.0534+01	3.6028+00	1.0375-02	3.6028+C0	1.0375-02	2.1543-03	1.0978-01	1.9441+05	2.6666-03	2.4660+00
81	457.80	6.2265+00	1.0374+00	2.8654-03	1.0374+00	2.8654-03	5.9499-04	3.0321-02	5.3694+04	7.3445-04	3.0090+00
82	451.27	7.7143+00	1.2682+00	3.4879-03	1.2682+00	3.4879-03	7.2425-04	3.6908-02	6.5360+04	8.9376-04	3.3930+00
83	451.79	7.1444+00	1.1645+00	3.2037-03	1.1645+00	3.2037-03	6.6523-04	3.3900-02	6.0033+04	8.2094-04	3.7770+00
337	586.54	4.3254+01	8.6398+00	2.6103-02	8.6398+00	2.6103-02	5.4202-03	2.7622-01	4.8914+05	6.7303-03	7.1680+00
339	527.79	1.8526+01	3.6492+00	1.0572-02	3.6492+00	1.0572-02	2.1952-03	1.1187-01	1.9810+05	2.7183-03	8.1130+00
340	484.03	3.9356+00	7.3813-01	2.0750-03	7.3813-01	2.0750-03	4.3086-04	2.1957-02	3.8882+04	5.3247-04	8.6180+00
342	565.12	3.3807+01	6.8823+00	2.0473-02	6.8823+00	2.0473-02	4.2511-03	2.1664-01	3.8363+05	5.2732-03	7.1680+00
344	530.13	1.9249+01	3.8168+00	1.1075-02	3.8168+00	1.1075-02	2.2997-03	1.1720-01	2.0754+05	2.8481-03	8.1130+00
347	540.45	2.3016+01	4.4735+00	1.3075-02	4.4735+00	1.3075-02	2.7151-03	1.3836-01	2.4502+05	3.3640-03	7.1680+00
349	525.54	1.8662+01	3.6803+00	1.0645-02	3.6803+00	1.0645-02	2.2104-03	1.1264-01	1.9948+05	2.7369-03	8.1130+00
350	484.38	4.3210+00	7.6521-01	2.1516-03	7.6521-01	2.1516-03	4.4677-04	2.2768-02	4.0319+04	5.5215-04	8.6180+00
352	540.93	2.0985+01	3.9820+00	1.1643-02	3.9820+00	1.1643-02	2.4176-03	1.2320-01	2.1817+05	2.9955-03	7.1680+00
354	528.42	1.6497+01	3.2506+00	9.4212-03	3.2506+00	9.4212-03	1.9563-03	9.9693-02	1.7654+05	2.4225-03	8.1130+00
357	534.43	1.6584+01	3.1258+00	9.0977-03	3.1258+C0	9.0977-03	1.8891-03	9.6270-02	1.7048+05	2.3400-03	7.1680+00
359	521.09	9.0483+00	1.6590+00	4.7837-03	1.6550+00	4.7837-03	9.9332-04	5.0620-02	8.9641+04	1.2296-03	8.1130+00
401	540.41	4.0532+01	3.5503+00	1.0377-02	3.5503+00	1.0377-02	2.1547-03	1.0980-01	1.9445+05	2.6697-03	4.5500-01
403	594.07	5.8660+01	5.2406+00	1.5921-02	5.2406+00	1.5921-02	3.3059-03	1.6847-01	2.9833+05	4.1064-03	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.2799-06	-5.6973-03	-4.2799-06	-8.8871-07	-4.5289-05	-8.0201+01	-9.4525-07	8.0100-01
405	683.39	9.1622+01	8.5894+00	2.7934-02	8.5854+00	2.7934-02	5.8003-03	2.9559-01	5.2344+05	7.2369-03	1.0510+00
406	685.96	1.0257+02	9.6861+00	3.1565-02	9.6861+00	3.1565-02	6.5543-03	3.3401-01	5.9148+05	8.1787-03	1.1670+00
407	720.84	1.1159+02	1.0914+01	3.6579-02	1.0914+01	3.6579-02	7.5955-03	3.8707-01	6.8544+05	9.4952-03	1.2830+00
408	602.31	6.7877+01	6.0195+00	1.8398-02	6.0195+00	1.8398-02	3.8204-03	1.9469-01	3.4476+05	4.7474-03	5.1300-01
409	503.57	2.8099+01	2.3911+00	6.8116-03	2.3911+00	6.8116-03	1.4144-03	7.2079-02	1.2764+05	1.7495-03	5.7000-01
410	566.55	5.2672+01	4.4925+00	1.3377-02	4.4925+00	1.3377-02	2.7777-03	1.4155-01	2.5067+05	3.4459-03	6.2800-01
411	505.24	2.8237+01	2.4053+00	6.8601-03	2.4053+00	6.8601-03	1.4245-03	7.2592-02	1.2855+05	1.7621-03	6.8600-01
412	565.64	5.3063+01	4.6630+00	1.3876-02	4.6630+00	1.3876-02	2.8813-03	1.4683-01	2.6002+05	3.5742-03	7.4400-01
413	526.37	3.9944+01	3.4687+00	1.0039-02	3.4687+00	1.0039-02	2.0845-03	1.0623-01	1.8812+05	2.5811-03	8.0100-01
414	611.74	7.6033+01	6.8606+00	2.1117-02	6.8606+00	2.1117-02	4.3848-03	2.2345-01	3.9571+05	5.4513-03	8.5900-01
415	558.08	5.2256+01	4.5988+00	1.3611-02	4.5988+00	1.3611-02	2.8263-03	1.4403-01	2.5506+05	3.5047-03	9.1700-01
416	606.85	6.4500+01	5.4218+00	1.6627-02	5.4218+00	1.6627-02	3.4526-03	1.7595-01	3.1158+05	4.2914-03	5.7000-01
417	664.91	9.6865+01	8.9948+00	2.8831-02	8.9948+00	2.8831-02	5.9866-03	3.0508-01	5.4025+05	7.4624-03	1.0520+00

43 1 1.93 -10.07 .00 -.00 402 11 1.85 10.18 1663.5 1872.4

9.06161+01 3.40881-02 2.47316+00 4.74870+03 3.15616-05 7.33990-08 1.71308-01 7.72000+00 7.65853-06 7.39882-02

1	473.18	3.4408+01	5.8434+00	1.6249-02	5.8434+00	1.6249-02	3.3697-03	1.7192-01	3.0408+05	4.1763-03	4.1100-01
2	509.79	1.1361+02	1.9759+01	5.6325-02	1.9759+01	5.6325-02	1.1681-02	5.9593-01	1.0540+06	1.4501-02	7.1100-01
3	493.74	8.8009+01	1.5149+01	4.2714-02	1.5149+01	4.2714-02	8.8580-03	4.5192-01	7.9933+05	1.0989-02	1.3070+00
4	526.47	1.2866+02	2.2611+01	6.5204-02	2.2611+01	6.5204-02	1.3522-02	6.8987-01	1.2202+06	1.6800-02	1.6410+00
5	515.04	7.9135+01	1.4454+01	4.1353-02	1.4454+01	4.1353-02	8.5757-03	4.3752-01	7.7386+05	1.0649-02	1.7720+00
6	525.25	1.6754+01	2.8991+00	8.3531-03	2.8951+00	8.3531-03	1.7322-03	8.8377-02	1.5632+05	2.1521-03	2.4660+00
7	475.36	5.4093+00	9.0385-01	2.5171-03	9.0385-01	2.5171-03	5.2198-04	2.6631-02	4.7103+04	6.4700-04	3.0090+00
8	460.50	1.5984+01	2.6208+00	7.2265-03	2.6208+00	7.2265-03	1.4986-03	7.6458-02	1.3523+05	1.8563-03	3.3930+00
9	452.09	1.2040+01	1.9628+00	5.3823-03	1.9628+00	5.3823-03	1.1162-03	5.6945-02	1.0072+05	1.3820-03	3.7770+00
10	474.67	1.2698+01	2.1081+00	5.8679-03	2.1081+00	5.8679-03	1.2169-03	6.2083-02	1.0981+05	1.5083-03	5.3230+00
14	485.07	7.8878+01	1.3561+01	3.7845-02	1.3561+01	3.7845-02	7.8482-03	4.0041-01	7.0821+05	9.7322-03	1.0880+00
15	486.68	8.8096+01	1.5095+01	4.2358-02	1.5095+01	4.2358-02	8.7840-03	4.4815-01	7.9265+05	1.0893-02	1.3070+00
16	510.91	1.0854+02	1.8890+01	5.3889-02	1.8890+01	5.3889-02	1.1175-02	5.7016-01	1.0085+06	1.3875-02	1.6410+00
19	477.39	2.3498+01	3.6391+00	1.0148-02	3.6391+00	1.0148-02	2.1045-03	1.0737-01	1.8990+05	2.6087-03	4.1100-01
20	472.02	2.8636+01	4.6321+00	1.2871-02	4.6321+00	1.2871-02	2.6691-03	1.3617-01	2.4086+05	3.3078-03	7.1100-01
21	482.10	8.0276+01	1.3273+01	3.7130-02	1.3273+01	3.7130-02	7.6998-03	3.9284-01	6.9482+05	9.5469-03	1.0880+00
22	473.05	7.7669+01	1.2842+01	3.5708-02	1.2842+01	3.5708-02	7.4050-03	3.7779-01	6.6821+05	9.1775-03	1.3070+00
23	940.42	3.0753-01	6.3355-02	2.5776-04	6.3355-02	2.5776-04	5.3453-05	2.7271-03	4.8235+03	6.7983-05	1.6410+00
24	481.39	7.1849+00	1.1946+00	3.3401-03	1.1946+00	3.3401-03	6.9267-04	3.5339-02	6.2506+04	8.5880-04	3.0090+00
25	466.90	5.7839+00	9.2954-01	2.5740-03	9.2954-01	2.5740-03	5.3379-04	2.7233-02	4.8169+04	6.6138-04	3.3930+00
26	459.82	6.4997+00	1.0460+00	2.8830-03	1.0460+00	2.8830-03	5.9786-04	3.0502-02	5.3950+04	7.4053-04	3.7770+00
27	470.02	2.9233+01	4.7224+00	1.3104-02	4.7224+00	1.3104-02	2.7175-03	1.3864-01	2.4522+05	3.3675-03	7.1100-01
28	474.41	6.7810+01	1.1155+01	3.1044-02	1.1155+01	3.1044-02	6.4379-03	3.2845-01	5.8095+05	7.9794-03	1.0880+00
29	472.70	6.6697+01	1.1125+01	3.0925-02	1.1125+01	3.0925-02	6.4132-03	3.2719-01	5.7872+05	7.9482-03	1.3070+00
30	489.70	7.7725+01	1.3149+01	3.6973-02	1.3149+01	3.6973-02	7.6674-03	3.9118-01	6.9189+05	9.5100-03	1.6410+00
31	492.68	4.6250+01	7.9558+00	2.2416-02	7.9558+00	2.2416-02	4.6485-03	2.3716-01	4.1947+05	5.7664-03	1.7720+00
32	532.75	2.9872+01	5.1931+00	1.5041-02	5.1931+00	1.5041-02	3.1192-03	1.5914-01	2.8147+05	3.8766-03	2.4660+00
33	482.79	1.1389+01	1.9237+00	5.3841-03	1.9237+00	5.3841-03	1.1165-03	5.6964-02	1.0075+05	1.3844-03	3.0090+00
34	460.81	5.6468+00	9.2663-01	2.5539-03	9.2663-01	2.5539-03	5.2963-04	2.7021-02	4.7793+04	6.5604-04	3.3930+00
35	453.79	4.6374+00	7.2567-01	1.9905-03	7.2567-01	1.9905-03	4.1277-04	2.1059-02	3.7248+04	5.1113-04	3.7770+00
36	473.60	6.7620+01	1.1151+01	3.1017-02	1.1151+01	3.1017-02	6.4323-03	3.2817-01	5.8044+05	7.9722-03	1.3070+00
37	534.07	2.6352+01	4.6393+00	1.3450-02	4.6363+00	1.3450-02	2.7891-03	1.4230-01	2.5169+05	3.4666-03	2.4660+00
38	482.19	1.4808+01	2.4632+00	6.8912-03	2.4632+00	6.8912-03	1.4291-03	7.2910-02	1.2896+05	1.7719-03	3.0090+00
39	456.82	7.9377+00	1.2904+00	3.5495-03	1.2904+00	3.5495-03	7.3609-04	3.7555-02	6.6424+04	9.1162-04	3.3930+00
40	451.09	4.1917+00	6.7263-01	1.8432-03	6.7263-01	1.8432-03	3.8224-04	1.9501-02	3.4493+04	4.7326-04	3.7770+00
41	454.82	3.7288+00	5.8708-01	1.6127-03	5.8708-01	1.6127-03	3.3445-04	1.7063-02	3.0180+04	4.1416-04	4.1620+00
43	470.43	4.3870+00	7.3497-01	2.0400-03	7.3497-01	2.0400-03	4.2306-04	2.1584-02	3.8176+04	5.2426-04	5.3230+00
47	479.69	4.4214+01	7.2545+00	2.0261-02	7.2545+00	2.0261-02	4.2017-03	2.1437-01	3.7916+05	5.2091-03	7.1100-01
48	484.46	6.0367+01	1.0117+01	2.8348-02	1.0117+01	2.8348-02	5.8787-03	2.9992-01	5.3048+05	7.2897-03	1.0880+00
49	470.17	6.1746+01	1.0312+01	2.8618-02	1.0312+01	2.8618-02	5.9348-03	3.0279-01	5.3555+05	7.3544-03	1.3070+00
50	502.47	7.0064+01	1.2022+01	3.4099-02	1.2022+01	3.4099-02	7.0714-03	3.6077-01	6.3811+05	8.7760-03	1.6410+00
51	504.60	4.1090+01	7.1225+00	2.0232-02	7.1225+00	2.0232-02	4.1956-03	2.1405-01	3.7860+05	5.2075-03	1.7720+00
52	510.78	1.0432+01	1.8153+00	5.1784-03	1.8153+00	5.1784-03	1.0739-03	5.4788-02	9.6906+04	1.3333-03	2.4660+00
53	471.41	8.6125+00	1.4225+00	3.9509-03	1.4225+00	3.9509-03	8.1933-04	4.1801-02	7.3935+04	1.0154-03	3.0090+00
54	452.15	6.2348+00	1.0043+00	2.7539-03	1.0043+00	2.7539-03	5.7110-04	2.9137-02	5.1535+04	7.0713-04	3.3930+00
55	450.10	6.2499+00	9.8694-01	2.7028-03	9.8694-01	2.7028-03	5.6049-04	2.8596-02	5.0578+04	6.9393-04	3.7770+00
56	464.17	1.1349+01	1.7590+00	4.8620-03	1.7590+00	4.8620-03	1.0083-03	5.1440-02	9.0984+04	1.2491-03	4.1100-01
57	476.89	3.7501+01	6.1044+00	1.7017-02	6.1044+00	1.7017-02	3.5290-03	1.8004-01	3.1845+05	4.3745-03	7.1100-01
58	465.96	4.1506+01	6.8714+00	1.9016-02	6.8714+00	1.9016-02	3.9435-03	2.0119-01	3.5585+05	4.8858-03	1.0880+00
59	459.89	3.5572+01	5.8825+00	1.6214-02	5.8825+00	1.6214-02	3.3624-03	1.7154-01	3.0342+05	4.1647-03	1.3070+00
60	489.10	4.3681+01	7.3867+00	2.0762-02	7.3867+00	2.0762-02	4.3055-03	2.1966-01	3.8852+05	5.3401-03	1.6410+00
61	466.70	4.8000+00	7.8792-01	2.1816-03	7.8792-01	2.1816-03	4.5241-04	2.3081-02	4.0824+04	5.6054-04	3.0090+00
62	450.99	4.9023+00	7.8901-01	2.1620-03	7.8901-01	2.1620-03	4.4835-04	2.2874-02	4.0458+04	5.5511-04	3.3930+00
63	451.91	3.4099+00	5.3913-01	1.4782-03	5.3913-01	1.4782-03	3.0654-04	1.5639-02	2.7662+04	3.7955-04	3.7770+00
64	453.82	1.9759+01	3.3122+00	9.0927-03	3.3122+00	9.0927-03	1.8856-03	9.6202-02	1.7015+05	2.3349-03	1.0880+00
65	452.80	2.3229+01	3.8911+00	1.0675-02	3.8911+00	1.0675-02	2.2137-03	1.1294-01	1.9976+05	2.7410-03	1.3070+00
66	480.99	3.4123+01	5.8251+00	1.6283-02	5.8251+00	1.6283-02	3.3768-03	1.7228-01	3.0472+05	4.1866-03	1.6410+00
69	464.48	1.4469+01	2.4430+00	6.7541-03	2.4430+00	6.7541-03	1.4007-03	7.1460-02	1.2639+05	1.7352-03	4.1100-01
70	452.96	5.0499+00	8.4601-01	2.3212-03	8.4601-01	2.3212-03	4.8136-04	2.4558-02	4.3437+04	5.9603-04	7.1100-01
71	451.58	9.6213+00	1.6056+00	4.4014-03	1.6056+00	4.4014-03	9.1274-04	4.6567-02	8.2365+04	1.1301-03	1.3070+00
72	464.92	1.2823+01	2.1658+00	5.9894-03	2.1658+00	5.9894-03	1.2421-03	6.3369-02	1.1208+05	1.5388-03	1.6410+00
73	462.53	6.2888+00	1.0201+00	2.8167-03	1.0201+00	2.8167-03	5.8411-04	2.9801-02	5.2710+04	7.2359-04	3.7770+00
74	479.91	5.4052+00	9.0048-01	2.5154-03	9.0048-01	2.5154-03	5.2163-04	2.6613-02	4.7071+04	6.4669-04	5.3230+00
77	466.94	9.9023+00	1.6600+00	4.5970-03	1.6600+00	4.5970-03	9.5330-04	4.8636-02	8.6025+04	1.1812-03	3.0090+00
78	452.68	1.1870+01	1.9475+00	5.3424-03	1.9475+00	5.3424-03	1.1079-03	5.6524-02	9.9975+04	1.3718-03	3.3930+00
79	452.35	1.0088+01	1.6251+00	4.4569-03	1.6251+00	4.4569-03	9.2426-04	4.7155-02	8.3404+04	1.1444-03	3.7770+00
80	530.53	1.5741+01	2.7814+00	8.0435-03	2.7814+00	8.0435-03	1.6680-03	8.5101-02	1.5052+05	2.0729-03	2.4660+00
81	474.74	8.4078+00	1.4168+00	3.9439-03	1.4168+00	3.9439-03	8.1788-04	4.1727-02	7.3805+04	1.0137-03	3.0090+00
82	453.44	1.3023+01	2.1442+00	5.8850-03	2.1442+00	5.8850-03	1.2204-03	6.2264-02	1.1013+05	1.5112-03	3.3930+00
83	451.66	1.0291+01	1.6772+00	4.5977-03	1.6772+00	4.5977-03	9.5345-04	4.8644-02	8.6038+04	1.1805-03	3.7770+00
337	566.89	4.8771+01	9.6309+00	2.8577-02	9.6309+00	2.8577-02	5.9263-03	3.0235-01	5.3478+05	7.3774-03	7.1680+00
339	545.48	2.6277+01	5.2324+00	1.5291-02	5.2324+00	1.5291-02	3.1710-03	1.6178-01	2.8615+05	3.9434-03	8.1130+00
340	495.62	7.7803+00	1.4703+00	4.1508-03	1.4703+00	4.1508-03	8.6078-04	4.3916-02	7.7675+04	1.0679-03	8.6180+00
342	561.13	4.3514+01	8.8376+00	2.6115-02	8.8376+00	2.6115-02	5.4157-03	2.7630-01	4.8871+05	6.7400-03	7.1680+00
344	540.86	2.1117+01	4.2149+00	1.2277-02	4.2149+00	1.2277-02	2.5461-03	1.2990-01	2.2975+05	3.1656-03	8.1130+00
347	525.26	1.7074+01	3.2878+00	9.4729-03	3.2878+00	9.4729-03	1.9645-03	1.0023-01	1.7727+05	2.4406-03	7.1680+00
349	522.33	1.6499+01	3.2472+00	9.3372-03	3.2472+00	9.3372-03	1.9363-03	9.8788-02	1.7473+05	2.4053-03	8.1130+00
350	487.34	3.6852+00	6.5388-01	1.8357-03	6.5388-01	1.8357-03	3.8068-04	1.9422-02	3.4352+04	4.7211-04	8.6180+00
352	515.03	7.0171+00	1.3103+00	3.7488-03	1.3103+00	3.7488-03	7.7742-04	3.9663-02	7.0153+04	9.6539-04	7.1680+00
354	520.01	7.8176+00	1.5324+00	4.3993-03	1.5324+00	4.3993-03	9.1231-04	4.6545-02	8.2325+04	1.1332-03	8.1130+00
357	515.46	1.4772+01	2.7517+00	7.8747-03	2.7517+00	7.8747-03	1.6330-03	8.3315-02	1.4736+05	2.0279-03	7.1680+00
359	512.22	7.6021+00	1.3861+00	3.9578-03	1.3861+00	3.9578-03	8.2076-04	4.1874-02	7.4064+04	1.0191-03	8.1130+00
401	505.67	6.0975+01	5.2265+00	1.4857-02	5.2265+00	1.4857-02	3.0809-03	1.5719-01	2.7802+05	3.8242-03	4.5500-01
403	496.51	4.6062+01	3.8736+00	1.0928-02	3.8736+00	1.0928-02	2.2662-03	1.1562-01	2.0450+05	2.8114-03	6.8600-01
404	4157.17	5.1942-03	-2.8485-03	-2.1377-06	-2.8485-03	-2.1377-06	-4.4332-07	-2.2617-05	-4.0004+01	-4.7242-07	8.0100-01
405	530.44	1.0246+02	8.8145+00	2.5489-02	8.8145+00	2.5489-02	5.2858-03	2.6967-01	4.7698+05	6.5686-03	1.0510+00
406	531.35	1.2450+02	1.0780+01	3.1193-02	1.0780+01	3.1193-02	6.4687-03	3.3003-01	5.8373+05	8.0390-03	1.1670+00
407	538.09	1.3449+02	1.1903+01	3.4603-02	1.1903+01	3.4603-02	7.1759-03	3.6611-01	6.4754+05	8.9207-03	1.2830+00
408	507.35	7.3745+01	6.1780+00	1.7582-02	6.1780+00	1.7582-02	3.6461-03	1.8602-01	3.2902+05	4.5260-03	5.1300-01
409	469.83	2.0022+01	1.6666+00	4.6240-03	1.6666+00	4.6240-03	9.5892-04	4.8923-02	8.6531+04	1.1883-03	5.7000-01
410	514.79	7.8625+01	6.4977+00	1.8586-02	6.4977+00	1.8586-02	3.8544-03	1.9665-01	3.4782+05	4.7863-03	6.2800-01
411	471.63	2.2895+01	1.9080+00	5.3002-03	1.9080+00	5.3002-03	1.0991-03	5.6077-02	9.9184+04	1.3621-03	6.8600-01
412	510.54	6.7455+01	5.7311+00	1.6346-02	5.7311+00	1.6346-02	3.3897-03	1.7294-01	3.0589+05	4.2085-03	7.4400-01
413	478.01	3.5339+01	2.9752+00	8.3001-03	2.9752+00	8.3001-03	1.7213-03	8.7817-02	1.5532+05	2.1338-03	8.0100-01
414	515.21	8.2386+01	7.0205+00	2.0088-02	7.0205+00	2.0088-02	4.1657-03	2.1253-01	3.7591+05	5.1730-03	8.5900-01
415	483.84	4.5749+01	3.8435+00	1.0765-02	3.8435+00	1.0765-02	2.2324-03	1.1389-01	2.0144+05	2.7681-03	9.1700-01
416	537.22	1.0269+02	8.2868+00	2.4077-02	8.2868+00	2.4077-02	4.9930-03	2.5474-01	4.5056+05	6.2068-03	5.7000-01
417	538.35	1.1583+02	1.0013+01	2.9115-02	1.0013+01	2.9115-02	6.0379-03	3.0805-01	5.4485+05	7.5061-03	1.0520+00

43 1 1.90 -10.10 .00 -.00 402 11 2.10 10.18 1663.5 1873.2

9.06620+01 3.40849-02 2.47294+00 4.74991+03 3.15427-05 7.34363-08 1.71162-01 7.72000+00 7.66289-06 7.39835-02

1	482.41	3.8397+01	6.5608+00	1.8360-02	6.5608+00	1.8360-02	3.8087-03	1.9425-01	3.4338+05	4.7173-03	4.1100-01
2	538.33	1.1081+02	1.9616+01	5.7047-02	1.9616+01	5.7047-02	1.1834-02	6.0356-01	1.0669+06	1.4695-02	7.1100-01
3	515.22	8.5418+01	1.4906+01	4.2658-02	1.4906+01	4.2658-02	8.8494-03	4.5133-01	7.9783+05	1.0977-02	1.3070+00
4	558.50	1.2538+02	2.2468+01	6.6277-02	2.2468+01	6.6277-02	1.3749-02	7.0122-01	1.2396+06	1.7089-02	1.6410+00
5	535.45	8.0469+01	1.4886+01	4.3202-02	1.4886+01	4.3202-02	8.9622-03	4.5708-01	8.0800+05	1.1127-02	1.7720+00
6	529.58	1.7747+01	3.0792+00	8.8999-03	3.0792+00	8.8999-03	1.8463-03	9.4162-02	1.6645+05	2.2917-03	2.4660+00
7	476.67	5.4535+00	9.1202-01	2.5424-03	9.1202-01	2.5424-03	5.2742-04	2.6899-02	4.7550+04	6.5305-04	3.0090+00
8	464.51	1.5996+01	2.6299+00	7.2719-03	2.6299+00	7.2719-03	1.5085-03	7.6938-02	1.3600+05	1.8669-03	3.3930+00
9	455.08	1.2193+01	1.9919+00	5.4734-03	1.9919+00	5.4734-03	1.1355-03	5.7910-02	1.0237+05	1.4046-03	3.7770+00
10	477.86	1.2622+01	2.1000+00	5.8587-03	2.1000+00	5.8587-03	1.2154-03	6.1986-02	1.0957+05	1.5050-03	5.3230+00
14	504.72	7.7398+01	1.3417+01	3.8120-02	1.3417+01	3.8120-02	7.9080-03	4.0332-01	7.1295+05	9.8043-03	1.0880+00
15	508.48	8.6056+01	1.4954+01	4.2596-02	1.4954+01	4.2596-02	8.8364-03	4.5067-01	7.9665+05	1.0957-02	1.3070+00
16	537.51	1.0530+02	1.8633+01	5.4155-02	1.8633+01	5.4155-02	1.1234-02	5.7296-01	1.0128+06	1.3950-02	1.6410+00
19	483.38	2.3919+01	3.7190+00	1.0414-02	3.7190+00	1.0414-02	2.1604-03	1.1018-01	1.9477+05	2.6758-03	4.1100-01
20	479.09	2.8833+01	4.6859+00	1.3084-02	4.6859+00	1.3084-02	2.7142-03	1.3843-01	2.4470+05	3.3612-03	7.1100-01
21	502.20	7.8602+01	1.3166+01	3.7343-02	1.3166+01	3.7343-02	7.7467-03	3.9509-01	6.9841+05	9.6033-03	1.0880+00
22	492.37	7.5966+01	1.2721+01	3.5839-02	1.2721+01	3.5839-02	7.4348-03	3.7918-01	6.7029+05	9.2124-03	1.3070+00
23	940.49	2.5299-01	5.2120-02	2.1210-04	5.2120-02	2.1210-04	4.4000-05	2.2441-03	3.9669+03	5.5879-05	1.6410+00
24	483.18	7.2494+00	1.2067+00	3.3786-03	1.2067+00	3.3786-03	7.0089-04	3.5746-02	6.3189+04	8.6810-04	3.0090+00
25	468.36	5.8587+00	9.4248-01	2.6127-03	9.4248-01	2.6127-03	5.4201-04	2.7643-02	4.8865+04	6.7087-04	3.3930+00
26	461.41	6.4738+00	1.0430+00	2.8780-03	1.0430+00	2.8780-03	5.9703-04	3.0449-02	5.3826+04	7.3874-04	3.7770+00
27	477.22	2.9203+01	4.7402+00	1.3219-02	4.7402+00	1.3219-02	2.7422-03	1.3986-01	2.4723+05	3.3956-03	7.1100-01
28	491.44	6.7040+01	1.1152+01	3.1399-02	1.1152+01	3.1399-02	6.5137-03	3.3221-01	5.8725+05	8.0708-03	1.0880+00
29	489.35	6.5951+01	1.1121+01	3.1269-02	1.1121+01	3.1269-02	6.4866-03	3.3083-01	5.8481+05	8.0365-03	1.3070+00
30	508.95	7.6122+01	1.3038+01	3.7151-02	1.3038+01	3.7151-02	7.7069-03	3.9306-01	6.9482+05	9.5568-03	1.6410+00
31	504.37	4.6381+01	8.0385+00	2.2833-02	8.0385+00	2.2833-02	4.7367-03	2.4158-01	4.2704+05	5.8725-03	1.7720+00
32	540.43	3.0480+01	5.3239+00	1.5505-02	5.3239+00	1.5505-02	3.2165-03	1.6405-01	2.8999+05	3.9945-03	2.4660+00
33	485.67	1.1472+01	1.9414+00	5.4447-03	1.9414+00	5.4447-03	1.1295-03	5.7606-02	1.0183+05	1.3991-03	3.0090+00
34	462.20	5.6535+00	9.2801-01	2.5621-03	9.2801-01	2.5621-03	5.3151-04	2.7108-02	4.7919+04	6.5769-04	3.3930+00
35	454.98	4.6888+00	7.3370-01	2.0160-03	7.3370-01	2.0160-03	4.1822-04	2.1330-02	3.7705+04	5.1733-04	3.7770+00
36	490.53	6.6697+01	1.1122+01	3.1295-02	1.1122+01	3.1295-02	6.4921-03	3.3110-01	5.8530+05	8.0436-03	1.3070+00
37	540.77	2.7114+01	4.7932+00	1.3963-02	4.7932+00	1.3963-02	2.8966-03	1.4773-01	2.6115+05	3.5973-03	2.4660+00
38	485.92	1.4892+01	2.4834+00	6.9660-03	2.4834+00	6.9660-03	1.4451-03	7.3702-02	1.3028+05	1.7901-03	3.0090+00
39	458.75	7.7538+00	1.2622+00	3.4768-03	1.2622+00	3.4768-03	7.2125-04	3.6785-02	6.5025+04	8.9233-04	3.3930+00
40	452.10	4.2343+00	6.7993-01	1.8647-03	6.7993-01	1.8647-03	3.8684-04	1.9729-02	3.4875+04	4.7845-04	3.7770+00
41	455.74	3.7377+00	5.8884-01	1.6188-03	5.8884-01	1.6188-03	3.3581-04	1.7127-02	3.0275+04	4.1541-04	4.1620+00
43	471.52	4.3834+00	7.3490-01	2.0416-03	7.3490-01	2.0416-03	4.2353-04	2.1600-02	3.8184+04	5.2429-04	5.3230+00
47	490.82	4.4774+01	7.4002+00	2.0827-02	7.4002+00	2.0827-02	4.3205-03	2.2035-01	3.8952+05	5.3531-03	7.1100-01
48	499.28	5.8273+01	9.8607+00	2.7912-02	9.8607+00	2.7912-02	5.7903-03	2.9531-01	5.2203+05	7.1770-03	1.0880+00
49	485.58	6.0847+01	1.0266+01	2.8790-02	1.0266+01	2.8790-02	5.9725-03	3.0460-01	5.3846+05	7.3982-03	1.3070+00
50	519.70	6.8271+01	1.1843+01	3.3996-02	1.1843+01	3.3996-02	7.0524-03	3.5968-01	6.3582+05	8.7497-03	1.6410+00
51	514.91	4.0999+01	7.1534+00	2.0467-02	7.1534+00	2.0467-02	4.2458-03	2.1654-01	3.8278+05	5.2664-03	1.7720+00
52	513.40	1.0480+01	1.8268+00	5.2212-03	1.8268+00	5.2212-03	1.0831-03	5.5241-02	9.7650+04	1.3434-03	2.4660+00
53	473.57	8.6296+00	1.4273+00	3.9707-03	1.4273+00	3.9707-03	8.2372-04	4.2011-02	7.4263+04	1.0198-03	3.0090+00
54	453.73	6.4634+00	1.0422+00	2.8613-03	1.0422+00	2.8613-03	5.9357-04	3.0273-02	5.3514+04	7.3421-04	3.3930+00
55	451.63	6.1735+00	9.7590-01	2.6756-03	9.7590-01	2.6756-03	5.5505-04	2.8308-02	5.0041+04	6.8649-04	3.7770+00
56	467.09	1.2206+01	1.8955+00	5.2503-03	1.8955+00	5.2503-03	1.0892-03	5.5549-02	9.8196+04	1.3480-03	4.1100-01
57	486.31	3.7427+01	6.1302+00	1.7200-02	6.1302+00	1.7200-02	3.5681-03	1.8198-01	3.2169+05	4.4200-03	7.1100-01
58	476.27	4.0598+01	6.7674+00	1.8860-02	6.7674+00	1.8860-02	3.9125-03	1.9954-01	3.5274+05	4.8444-03	1.0880+00
59	468.77	3.5681+01	5.9358+00	1.6460-02	5.9358+00	1.6460-02	3.4146-03	1.7415-01	3.0784+05	4.2264-03	1.3070+00
60	499.94	4.3143+01	7.3472+00	2.0806-02	7.3472+00	2.0806-02	4.3162-03	2.2013-01	3.8913+05	5.3501-03	1.6410+00
61	467.82	4.9683+00	8.1616-01	2.2618-03	8.1616-01	2.2618-03	4.6920-04	2.3930-02	4.2301+04	5.8073-04	3.0090+00
62	452.16	4.8592+00	7.8269-01	2.1466-03	7.8269-01	2.1466-03	4.4531-04	2.2712-02	4.0148+04	5.5078-04	3.3930+00
63	452.71	3.4629+00	5.4781-01	1.5030-03	5.4781-01	1.5030-03	3.1179-04	1.5902-02	2.8110+04	3.8565-04	3.7770+00
64	458.82	2.0351+01	3.4230+00	9.4293-03	3.4230+00	9.4293-03	1.9561-03	9.9763-02	1.7635+05	2.4201-03	1.0880+00
65	458.56	2.3355+01	3.9276+00	1.0817-02	3.9276+00	1.0817-02	2.2440-03	1.1445-01	2.0231+05	2.7763-03	1.3070+00
66	489.49	3.4008+01	5.8378+00	1.6415-02	5.8378+00	1.6415-02	3.4052-03	1.7367-01	3.0700+05	4.2189-03	1.6410+00
69	468.34	1.6127+01	2.7300+00	7.5679-03	2.7300+00	7.5679-03	1.5700-03	8.0070-02	1.4154+05	1.9432-03	4.1100-01
70	454.21	5.1823+00	8.6894-01	2.3864-03	8.6894-01	2.3864-03	4.9506-04	2.5248-02	4.4632+04	6.1236-04	7.1100-01
71	453.86	9.5408+00	1.5947+00	4.3785-03	1.5947+00	4.3785-03	9.0830-04	4.6325-02	8.1889+04	1.1235-03	1.3070+00
72	467.98	1.2463+01	2.1093+00	5.8460-03	2.1093+00	5.8460-03	1.2127-03	6.1851-02	1.0934+05	1.5010-03	1.6410+00
73	464.13	6.3662+00	1.0338+00	2.8578-03	1.0338+00	2.8578-03	5.9285-04	3.0236-02	5.3449+04	7.3366-04	3.7770+00
74	481.26	5.4686+00	9.1185-01	2.5498-03	9.1185-01	2.5498-03	5.2895-04	2.6977-02	4.7688+04	6.5509-04	5.3230+00
77	469.37	9.7319+00	1.6341+00	4.5331-03	1.6341+00	4.5331-03	9.4039-04	4.7961-02	8.4781+04	1.1640-03	3.0090+00
78	455.63	1.1933+01	1.9618+00	5.3927-03	1.9618+00	5.3927-03	1.1187-03	5.7056-02	1.0086+05	1.3839-03	3.3930+00
79	454.84	1.0262+01	1.6559+00	4.5496-03	1.6559+00	4.5496-03	9.4381-04	4.8136-02	8.5090+04	1.1675-03	3.7770+00
80	534.65	1.6904+01	2.9946+00	8.6862-03	2.9946+00	8.6862-03	1.8020-03	9.1902-02	1.6246+05	2.2372-03	2.4660+00
81	476.83	8.4171+00	1.4204+00	3.9599-03	1.4204+00	3.9599-03	8.2148-04	4.1896-02	7.4061+04	1.0172-03	3.0090+00
82	456.71	1.3241+01	2.1848+00	6.0102-03	2.1848+00	6.0102-03	1.2468-03	6.3589-02	1.1241+05	1.5424-03	3.3930+00
83	454.21	1.0460+01	1.7077+00	4.6900-03	1.7077+00	4.6900-03	9.7294-04	4.9621-02	8.7716+04	1.2035-03	3.7770+00
337	579.11	4.8421+01	9.6304+00	2.8832-02	9.6304+00	2.8832-02	5.9812-03	3.0505-01	5.3924+05	7.4417-03	7.1680+00
339	552.07	2.6379+01	5.2736+00	1.5486-02	5.2736+00	1.5486-02	3.2125-03	1.6384-01	2.8962+05	3.9916-03	8.1130+00
340	497.56	7.7855+00	1.4731+00	4.1649-03	1.4731+00	4.1649-03	8.6399-04	4.4065-02	7.7894+04	1.0708-03	8.6180+00
342	572.05	4.3451+01	8.8819+00	2.6456-02	8.8819+00	2.6456-02	5.4884-03	2.7991-01	4.9481+05	6.8261-03	7.1680+00
344	546.12	2.0971+01	4.1993+00	1.2279-02	4.1993+00	1.2279-02	2.5473-03	1.2991-01	2.2965+05	3.1642-03	8.1130+00
347	529.51	1.7020+01	3.2860+00	9.4972-03	3.2860+00	9.4972-03	1.9702-03	1.0048-01	1.7762+05	2.4455-03	7.1680+00
349	526.44	1.6540+01	3.2636+00	9.4125-03	3.2636+00	9.4125-03	1.9526-03	9.9586-02	1.7604+05	2.4233-03	8.1130+00
350	488.26	3.6945+00	6.5593-01	1.8428-03	6.5593-01	1.8428-03	3.8229-04	1.9497-02	3.4466+04	4.7361-04	8.6180+00
352	516.59	6.4935+00	1.2138+00	3.4767-03	1.2138+00	3.4767-03	7.2125-04	3.6784-02	6.5025+04	8.9469-04	7.1680+00
354	521.71	7.0686+00	1.3871+00	3.9872-03	1.3871+00	3.9872-03	8.2714-04	4.2185-02	7.4572+04	1.0263-03	8.1130+00
357	519.09	1.4613+01	2.7283+00	7.8284-03	2.7283+00	7.8284-03	1.6240-03	8.2826-02	1.4641+05	2.0148-03	7.1680+00
359	513.95	7.1366+00	1.3026+00	3.7245-03	1.3026+00	3.7245-03	7.7265-04	3.9406-02	6.9659+04	9.5834-04	8.1130+00
401	520.81	6.0000+01	5.1923+00	1.4916-02	5.1923+00	1.4916-02	3.0944-03	1.5782-01	2.7898+05	3.8393-03	4.5500-01
403	506.09	4.6499+01	3.9395+00	1.1203-02	3.9395+00	1.1203-02	2.3241-03	1.1853-01	2.0953+05	2.8816-03	6.8600-01
404	4157.18	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	.0000+00	8.0100-01
405	555.72	9.8978+01	8.6466+00	2.5456-02	8.6466+00	2.5456-02	5.2809-03	2.6933-01	4.7610+05	6.5629-03	1.0510+00
406	561.83	1.1803+02	1.0411+01	3.0783-02	1.0411+01	3.0783-02	6.3859-03	3.2569-01	5.7573+05	7.9386-03	1.1670+00
407	570.84	1.2642+02	1.1411+01	3.3959-02	1.1411+01	3.3959-02	7.0448-03	3.5929-01	6.3513+05	8.7614-03	1.2830+00
408	525.92	7.4022+01	6.2741+00	1.8088-02	6.2741+00	1.8088-02	3.7524-03	1.9138-01	3.3830+05	4.6568-03	5.1300-01
409	475.03	2.1738+01	1.8157+00	5.0559-03	1.8157+00	5.0559-03	1.0488-03	5.3492-02	9.4560+04	1.2986-03	5.7000-01
410	534.39	7.7082+01	6.4482+00	1.8700-02	6.4482+00	1.8700-02	3.8794-03	1.9785-01	3.4975+05	4.8163-03	6.2800-01
411	477.72	2.5238+01	2.1118+00	5.8911-03	2.1118+00	5.8911-03	1.2221-03	6.2329-02	1.1018+05	1.5133-03	6.8600-01
412	527.44	6.6359+01	5.6981+00	1.6445-02	5.6981+00	1.6445-02	3.4115-03	1.7399-01	3.0757+05	4.2340-03	7.4400-01
413	487.07	3.6535+01	3.0942+00	8.6863-03	3.0942+00	8.6863-03	1.8020-03	9.1902-02	1.6246+05	2.2323-03	8.0100-01
414	535.77	8.1049+01	6.9953+00	2.0307-02	6.9953+00	2.0307-02	4.2126-03	2.1485-01	3.7979+05	5.2303-03	8.5900-01
415	495.15	4.5079+01	3.8152+00	1.0769-02	3.8152+00	1.0769-02	2.2340-03	1.1394-01	2.0141+05	2.7685-03	9.1700-01
416	562.04	9.6245+01	7.8837+00	2.3315-02	7.8837+00	2.3315-02	4.8367-03	2.4668-01	4.3605+05	6.0127-03	5.7000-01
417	566.67	1.1048+02	9.7148+00	2.8826-02	9.7148+00	2.8826-02	5.9798-03	3.0498-01	5.3912+05	7.4355-03	1.0520+00

43 1 1.90 -10.10 .00 -.00 402 11 2.35 10.18 1663.5 1872.7

9.06345+01 3.40868-02 2.47307+00 4.74919+03 3.15540-05 7.34139-08 1.71249-01 7.72000+00 7.66027-06 7.39863-02

1	492.50	4.1436+01	7.1268+00	2.0069-02	7.1268+00	2.0069-02	4.1625-03	2.1234-01	3.7548+05	5.1636-03	4.1100-01
2	565.35	1.0631+02	1.9128+01	5.6669-02	1.9128+01	5.6669-02	1.1753-02	5.9957-01	1.0602+06	1.4631-02	7.1100-01
3	536.33	8.3631+01	1.4787+01	4.2918-02	1.4787+01	4.2918-02	8.9014-03	4.5408-01	8.0296+05	1.1065-02	1.3070+00
4	589.19	1.2146+02	2.2160+01	6.6793-02	2.2160+01	6.6793-02	1.3853-02	7.0668-01	1.2496+06	1.7265-02	1.6410+00
5	555.57	7.9833+01	1.4949+01	4.3982-02	1.4949+01	4.3982-02	9.1220-03	4.6533-01	8.2286+05	1.1350-02	1.7720+00
6	534.17	1.8694+01	3.2527+00	9.4265-03	3.2527+00	9.4265-03	1.9551-03	9.9733-02	1.7636+05	2.4301-03	2.4660+00
7	478.05	5.6400+00	9.4407-01	2.6327-03	9.4407-01	2.6327-03	5.4605-04	2.7855-02	4.9256+04	6.7692-04	3.0090+00
8	468.50	1.5817+01	2.6073+00	7.2247-03	2.6073+00	7.2247-03	1.4984-03	7.6438-02	1.3517+05	1.8568-03	3.3930+00
9	458.20	1.2394+01	2.0289+00	5.5837-03	2.0289+00	5.5837-03	1.1581-03	5.9076-02	1.0447+05	1.4344-03	3.7770+00
10	481.01	1.2494+01	2.0830+00	5.8203-03	2.0830+00	5.8203-03	1.2072-03	6.1580-02	1.0889+05	1.4967-03	5.3230+00
14	523.79	7.5715+01	1.3284+01	3.8220-02	1.3284+01	3.8220-02	7.9271-03	4.0438-01	7.1507+05	9.8481-03	1.0880+00
15	529.69	8.3983+01	1.4789+01	4.2724-02	1.4789+01	4.2724-02	8.8613-03	4.5203-01	7.9934+05	1.1012-02	1.3070+00
16	563.45	1.0259+02	1.8439+01	5.4555-02	1.8439+01	5.4555-02	1.1315-02	5.7720-01	1.0207+06	1.4084-02	1.6410+00
19	489.39	2.4130+01	3.7664+00	1.0584-02	3.7664+00	1.0584-02	2.1952-03	1.1198-01	1.9802+05	2.7228-03	4.1100-01
20	486.44	2.9431+01	4.8061+00	1.3479-02	4.8061+00	1.3479-02	2.7956-03	1.4261-01	2.5218+05	3.4670-03	7.1100-01
21	521.49	7.6339+01	1.2944+01	3.7183-02	1.2944+01	3.7183-02	7.7120-03	3.9340-01	6.9566+05	9.5798-03	1.0880+00
22	511.03	7.3837+01	1.2513+01	3.5686-02	1.2513+01	3.5686-02	7.4016-03	3.7757-01	6.6766+05	9.1897-03	1.3070+00
23	940.56	2.5299-01	5.2121-02	2.1195-04	5.2121-02	2.1195-04	4.3960-05	2.2425-03	3.9655+03	5.5916-05	1.6410+00
24	485.01	7.2831+00	1.2138+00	3.4007-03	1.2138+00	3.4007-03	7.0533-04	3.5980-02	6.3625+04	8.7467-04	3.0090+00
25	469.84	5.9252+00	9.5412-01	2.6462-03	9.5412-01	2.6462-03	5.4884-04	2.7997-02	4.9508+04	6.8013-04	3.3930+00
26	463.04	6.5044+00	1.0490+00	2.8963-03	1.0490+00	2.8963-03	6.0071-04	3.0643-02	5.4188+04	7.4418-04	3.7770+00
27	484.58	2.9449+01	4.8033+00	1.3454-02	4.8033+00	1.3454-02	2.7905-03	1.4235-01	2.5171+05	3.4603-03	7.1100-01
28	507.96	6.5683+01	1.1043+01	3.1426-02	1.1043+01	3.1426-02	6.5180-03	3.3250-01	5.8796+05	8.0915-03	1.0880+00
29	505.69	6.4816+01	1.1046+01	3.1386-02	1.1046+01	3.1386-02	6.5096-03	3.3207-01	5.8720+05	8.0802-03	1.3070+00
30	527.77	7.4640+01	1.2936+01	3.7322-02	1.2936+01	3.7322-02	7.7408-03	3.9487-01	6.9826+05	9.6185-03	1.6410+00
31	515.92	4.6095+01	8.0475+00	2.3028-02	8.0475+00	2.3028-02	4.7761-03	2.4364-01	4.3083+05	5.9314-03	1.7720+00
32	548.05	3.0661+01	5.3804+00	1.5745-02	5.3804+00	1.5745-02	3.2657-03	1.6659-01	2.9458+05	4.0617-03	2.4660+00
33	488.56	1.1429+01	1.9378+00	5.4424-03	1.9378+00	5.4424-03	1.1288-03	5.7581-02	1.0182+05	1.4000-03	3.0090+00
34	463.61	5.7242+00	9.4050-01	2.5976-03	9.4050-01	2.5976-03	5.3877-04	2.7483-02	4.8600+04	6.6746-04	3.3930+00
35	456.15	4.7273+00	7.4031-01	2.0346-03	7.4031-01	2.0346-03	4.2199-04	2.1527-02	3.8066+04	5.2261-04	3.7770+00
36	506.96	6.5208+01	1.0989+01	3.1252-02	1.0989+01	3.1252-02	6.4819-03	3.3065-01	5.8470+05	8.0463-03	1.3070+00
37	547.66	2.7767+01	4.9291+00	1.4421-02	4.9291+00	1.4421-02	2.9909-03	1.5257-01	2.6980+05	3.7200-03	2.4660+00
38	489.65	1.4695+01	2.4563+00	6.9037-03	2.4563+00	6.9037-03	1.4319-03	7.3043-02	1.2916+05	1.7760-03	3.0090+00
39	460.69	7.8016+00	1.2716+00	3.5054-03	1.2716+00	3.5054-03	7.2704-04	3.7087-02	6.5583+04	9.0058-04	3.3930+00
40	453.14	4.3844+00	7.0454-01	1.9325-03	7.0454-01	1.9325-03	4.0081-04	2.0446-02	3.6155+04	4.9631-04	3.7770+00
41	456.67	3.7049+00	5.8405-01	1.6057-03	5.8405-01	1.6057-03	3.3304-04	1.6989-02	3.0042+04	4.1246-04	4.1620+00
43	472.62	4.3751+00	7.3405-01	2.0396-03	7.3405-01	2.0396-03	4.2303-04	2.1579-02	3.8160+04	5.2429-04	5.3230+00
47	502.13	4.5074+01	7.5042+00	2.1271-02	7.5042+00	2.1271-02	4.4117-03	2.2505-01	3.9796+05	5.4752-03	7.1100-01
48	513.56	5.6134+01	9.5855+00	2.7384-02	9.5855+00	2.7384-02	5.6797-03	2.8973-01	5.1234+05	7.0526-03	1.0880+00
49	500.64	5.9653+01	1.0163+01	2.8779-02	1.0163+01	2.8779-02	5.9690-03	3.0449-01	5.3843+05	7.4074-03	1.3070+00
50	536.57	6.6665+01	1.1686+01	3.3922-02	1.1686+01	3.3922-02	7.0357-03	3.5890-01	6.3466+05	8.7460-03	1.6410+00
51	525.13	4.0665+01	7.1406+00	2.0564-02	7.1406+00	2.0564-02	4.2650-03	2.1757-01	3.8473+05	5.2989-03	1.7720+00
52	516.04	1.0595+01	1.8500+00	5.2941-03	1.8500+00	5.2941-03	1.0980-03	5.6012-02	9.9047+04	1.3636-03	2.4660+00
53	475.73	8.5932+00	1.4234+00	3.9632-03	1.4234+00	3.9632-03	8.2199-04	4.1931-02	7.4148+04	1.0189-03	3.0090+00
54	455.42	6.7932+00	1.0967+00	3.0126-03	1.0967+00	3.0126-03	6.2482-04	3.1873-02	5.6362+04	7.7378-04	3.3930+00
55	453.13	6.2447+00	9.8817-01	2.7104-03	9.8817-01	2.7104-03	5.6216-04	2.8677-02	5.0710+04	6.9611-04	3.7770+00
56	470.17	1.3133+01	2.0436+00	5.6692-03	2.0436+00	5.6692-03	1.1758-03	5.9981-02	1.0607+05	1.4571-03	4.1100-01
57	495.64	3.7105+01	6.1144+00	1.7255-02	6.1144+00	1.7255-02	3.5788-03	1.8256-01	3.2283+05	4.4402-03	7.1100-01
58	486.26	3.9520+01	6.6312+00	1.8595-02	6.6312+00	1.8595-02	3.8567-03	1.9674-01	3.4790+05	4.7829-03	1.0880+00
59	477.73	3.5621+01	5.9613+00	1.6621-02	5.9613+00	1.6621-02	3.4472-03	1.7585-01	3.1096+05	4.2734-03	1.3070+00
60	510.67	4.2743+01	7.3289+00	2.0896-02	7.3289+00	2.0896-02	4.3340-03	2.2108-01	3.9095+05	5.3809-03	1.6410+00
61	469.05	5.1730+00	8.5049-01	2.3575-03	8.5049-01	2.3575-03	4.8897-04	2.4943-02	4.4108+04	6.0591-04	3.0090+00
62	453.36	4.9985+00	8.0578-01	2.2105-03	8.0578-01	2.2105-03	4.5847-04	2.3387-02	4.1356+04	5.6771-04	3.3930+00
63	453.62	3.6883+00	5.8384-01	1.6019-03	5.8384-01	1.6019-03	3.3225-04	1.6949-02	2.9971+04	4.1142-04	3.7770+00
64	464.05	2.0817+01	3.5138+00	9.7079-03	3.5138+00	9.7079-03	2.0135-03	1.0271-01	1.8163+05	2.4945-03	1.0880+00
65	464.51	2.3686+01	3.9992+00	1.1052-02	3.9992+00	1.1052-02	2.2923-03	1.1694-01	2.0678+05	2.8400-03	1.3070+00
66	497.97	3.3924+01	5.8555+00	1.6551-02	5.8555+00	1.6551-02	3.4327-03	1.7511-01	3.0965+05	4.2594-03	1.6410+00
69	472.57	1.7408+01	2.9552+00	8.2111-03	2.9552+00	8.2111-03	1.7030-03	8.6875-02	1.5362+05	2.1107-03	4.1100-01
70	455.54	5.2966+00	8.8891-01	2.4420-03	8.8891-01	2.4420-03	5.0649-04	2.5837-02	4.5689+04	6.2724-04	7.1100-01
71	456.30	9.8390+00	1.6472+00	4.5277-03	1.6472+00	4.5277-03	9.3907-04	4.7904-02	8.4709+04	1.1630-03	1.3070+00
72	471.09	1.2409+01	2.1045+00	5.8417-03	2.1045+00	5.8417-03	1.2116-03	6.1805-02	1.0929+05	1.5015-03	1.6410+00
73	465.73	6.3558+00	1.0332+00	2.8577-03	1.0332+00	2.8577-03	5.9271-04	3.0235-02	5.3466+04	7.3435-04	3.7770+00
74	482.63	5.5008+00	9.1805-01	2.5681-03	9.1805-01	2.5681-03	5.3263-04	2.7170-02	4.8046+04	6.6043-04	5.3230+00
77	471.79	9.7325+00	1.6368+00	4.5456-03	1.6368+00	4.5456-03	9.4278-04	4.8093-02	8.5044+04	1.1684-03	3.0090+00
78	458.67	1.2058+01	1.9865+00	5.4686-03	1.9865+00	5.4686-03	1.1342-03	5.7859-02	1.0231+05	1.4048-03	3.3930+00
79	457.51	1.0591+01	1.7121+00	4.7097-03	1.7121+00	4.7097-03	9.7682-04	4.9829-02	8.8114+04	1.2098-03	3.7770+00
80	539.03	1.7805+01	3.1626+00	9.1964-03	3.1626+00	9.1964-03	1.9074-03	9.7299-02	1.7206+05	2.3713-03	2.4660+00
81	478.95	8.5351+00	1.4423+00	4.0245-03	1.4423+00	4.0245-03	8.3471-04	4.2580-02	7.5296+04	1.0348-03	3.0090+00
82	460.11	1.3437+01	2.2225+00	6.1241-03	2.2225+00	6.1241-03	1.2702-03	6.4794-02	1.1458+05	1.5733-03	3.3930+00
83	456.86	1.0768+01	1.7612+00	4.8427-03	1.7612+00	4.8427-03	1.0044-03	5.1237-02	9.0603+04	1.2439-03	3.7770+00
337	591.14	4.7869+01	9.5869+00	2.8938-02	9.5869+00	2.8938-02	6.0019-03	3.0617-01	5.4140+05	7.4807-03	7.1680+00
339	558.67	2.6485+01	5.3156+00	1.5673-02	5.3156+00	1.5673-02	3.2507-03	1.6583-01	2.9324+05	4.0453-03	8.1130+00
340	499.52	7.8364+00	1.4846+00	4.2006-03	1.4846+00	4.2006-03	8.7123-04	4.4443-02	7.8590+04	1.0811-03	8.6180+00
342	582.92	4.2996+01	8.8447+00	2.6538-02	8.8447+00	2.6538-02	5.5041-03	2.8078-01	4.9650+05	6.8575-03	7.1680+00
344	551.35	2.0903+01	4.1988+00	1.2316-02	4.1988+00	1.2316-02	2.5544-03	1.3031-01	2.3042+05	3.1776-03	8.1130+00
347	533.77	1.7007+01	3.2921+00	9.5379-03	3.2921+00	9.5379-03	1.9782-03	1.0091-01	1.7845+05	2.4588-03	7.1680+00
349	530.60	1.6654+01	3.2947+00	9.5242-03	3.2947+00	9.5242-03	1.9754-03	1.0077-01	1.7819+05	2.4549-03	8.1130+00
350	489.16	3.6810+00	6.5392-01	1.8373-03	6.5392-01	1.8373-03	3.8107-04	1.9439-02	3.4374+04	4.7264-04	8.6180+00
352	518.19	6.5075+00	1.2176+00	3.4896-03	1.2176+00	3.4896-03	7.2377-04	3.6921-02	6.5288+04	8.9893-04	7.1680+00
354	523.44	6.9901+00	1.3731+00	3.9498-03	1.3731+00	3.9498-03	8.1920-04	4.1789-02	7.3897+04	1.0177-03	8.1130+00
357	522.74	1.4572+01	2.7269+00	7.8399-03	2.7269+00	7.8399-03	1.6260-03	8.2947-02	1.4668+05	2.0200-03	7.1680+00
359	515.73	7.1278+00	1.3025+00	3.7266-03	1.3025+00	3.7266-03	7.7291-04	3.9428-02	6.9721+04	9.5985-04	8.1130+00
401	535.67	5.8859+01	5.1406+00	1.4913-02	5.1406+00	1.4913-02	3.0931-03	1.5778-01	2.7901+05	3.8448-03	4.5500-01
403	517.75	4.6912+01	4.0040+00	1.1472-02	4.0040+00	1.1472-02	2.3793-03	1.2137-01	2.1463+05	2.9551-03	6.8600-01
404	4157.12	1.0383-02	-5.6938-03	-4.2727-06	-5.6938-03	-4.2727-06	-8.8617-07	-4.5205-05	-7.9938+01	-9.4427-07	8.0100-01
405	579.97	9.5161+01	8.4328+00	2.5248-02	8.4328+00	2.5248-02	5.2366-03	2.6713-01	4.7237+05	6.5233-03	1.0510+00
406	590.41	1.1105+02	9.9592+00	3.0045-02	9.9592+00	3.0045-02	6.2316-03	3.1788-01	5.6212+05	7.7668-03	1.1670+00
407	601.33	1.1816+02	1.0854+01	3.3007-02	1.0854+01	3.3007-02	6.8459-03	3.4922-01	6.1754+05	8.5371-03	1.2830+00
408	544.49	7.3527+01	6.3036+00	1.8401-02	6.3036+00	1.8401-02	3.8164-03	1.9468-01	3.4426+05	4.7459-03	5.1300-01
409	480.69	2.3368+01	1.9591+00	5.4732-03	1.9591+00	5.4732-03	1.1352-03	5.7907-02	1.0240+05	1.4074-03	5.7000-01
410	553.39	7.4822+01	6.3319+00	1.8600-02	6.3319+00	1.8600-02	3.8577-03	1.9679-01	3.4799+05	4.7994-03	6.2800-01
411	484.28	2.6992+01	2.2684+00	6.3524-03	2.2684+00	6.3524-03	1.3175-03	6.7209-02	1.1885+05	1.6338-03	6.8600-01
412	543.79	6.4415+01	5.5869+00	1.6301-02	5.5869+00	1.6301-02	3.3808-03	1.7246-01	3.0497+05	4.2041-03	7.4400-01
413	496.34	3.7330+01	3.1807+00	8.9803-03	3.1807+00	8.9803-03	1.8626-03	9.5012-02	1.6801+05	2.3109-03	8.0100-01
414	555.77	7.9026+01	6.9039+00	2.0315-02	6.9039+00	2.0315-02	4.2134-03	2.1493-01	3.8007+05	5.2424-03	8.5900-01
415	506.30	4.4693+01	3.8097+00	1.0830-02	3.8097+00	1.0830-02	2.2461-03	1.1458-01	2.0261+05	2.7882-03	9.1700-01
416	585.30	9.0351+01	7.5022+00	2.2549-02	7.5022+00	2.2549-02	4.6768-03	2.3857-01	4.2187+05	5.8274-03	5.7000-01
417	593.61	1.0530+02	9.4046+00	2.8439-02	9.4046+00	2.8439-02	5.8984-03	3.0089-01	5.3207+05	7.3526-03	1.0520+00

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9.06253+01 3.40874-02 2.47312+00 4.74894+03 3.15578-05 7.34065-08 1.71278-01 7.72000+00 7.65940-06 7.39872-02

1	503.25	4.3809+01	7.5874+00	2.1511-02	7.5874+00	2.1511-02	4.4613-03	2.2759-01	4.0251+05	5.5412-03	4.1100-01
2	591.47	1.0243+02	1.8713+01	5.6464-02	1.8713+01	5.6464-02	1.1710-02	5.9740-01	1.0565+06	1.4607-02	7.1100-01
3	557.03	8.2136+01	1.4706+01	4.3286-02	1.4706+01	4.3286-02	8.9771-03	4.5797-01	8.0993+05	1.1179-02	1.3070+00
4	619.14	1.1823+02	2.1937+01	6.7559-02	2.1937+01	6.7559-02	1.4011-02	7.1478-01	1.2641+06	1.7502-02	1.6410+00
5	575.42	7.8760+01	1.4922+01	4.4505-02	1.4922+01	4.4505-02	9.2300-03	4.7087-01	8.3275+05	1.1504-02	1.7720+00
6	538.93	1.9365+01	3.3794+00	9.8206-03	3.3794+00	9.8206-03	2.0367-03	1.0390-01	1.8376+05	2.5341-03	2.4660+00
7	479.49	5.8307+00	9.7691-01	2.7255-03	9.7691-01	2.7255-03	5.6524-04	2.8836-02	5.0997+04	7.0128-04	3.0090+00
8	472.44	1.5581+01	2.5752+00	7.1508-03	2.5752+00	7.1508-03	1.4830-03	7.5656-02	1.3380+05	1.8393-03	3.3930+00
9	461.29	1.2315+01	2.0203+00	5.5684-03	2.0203+00	5.5684-03	1.1548-03	5.8914-02	1.0419+05	1.4316-03	3.7770+00
10	484.09	1.2405+01	2.0722+00	5.7993-03	2.0722+00	5.7993-03	1.2027-03	6.1357-02	1.0851+05	1.4925-03	5.3230+00
14	542.55	7.4247+01	1.3178+01	3.8393-02	1.3178+01	3.8393-02	7.9624-03	4.0620-01	7.1838+05	9.9084-03	1.0880+00
15	550.45	8.2166+01	1.4653+01	4.2930-02	1.4653+01	4.2930-02	8.9034-03	4.5421-01	8.0328+05	1.1084-02	1.3070+00
16	588.79	1.0026+02	1.8288+01	5.5073-02	1.8288+01	5.5073-02	1.1422-02	5.8268-01	1.0305+06	1.4246-02	1.6410+00
19	495.42	2.4303+01	3.8083+00	1.0740-02	3.8083+00	1.0740-02	2.2273-03	1.1363-01	2.0095+05	2.7654-03	4.1100-01
20	493.82	2.9675+01	4.8694+00	1.3717-02	4.8694+00	1.3717-02	2.8448-03	1.4513-01	2.5667+05	3.5319-03	7.1100-01
21	540.30	7.4386+01	1.2761+01	3.7118-02	1.2761+01	3.7118-02	7.6980-03	3.9272-01	6.9453+05	9.5784-03	1.0880+00
22	529.24	7.2135+01	1.2365+01	3.5690-02	1.2365+01	3.5690-02	7.4017-03	3.7760-01	6.6780+05	9.2048-03	1.3070+00
23	940.66	1.8960-01	3.9064-02	1.5875-04	3.9064-02	1.5875-04	3.2923-05	1.6796-03	2.9703+03	4.1920-05	1.6410+00
24	486.84	7.3003+00	1.2181+00	3.4151-03	1.2181+00	3.4151-03	7.0827-04	3.6133-02	6.3902+04	8.7904-04	3.0090+00
25	471.31	5.9423+00	9.5782-01	2.6576-03	9.5782-01	2.6576-03	5.5117-04	2.8118-02	4.9727+04	6.8356-04	3.3930+00
26	464.67	6.5283+00	1.0540+00	2.9117-03	1.0540+00	2.9117-03	6.0387-04	3.0806-02	5.4482+04	7.4869-04	3.7770+00
27	491.98	2.9570+01	4.8463+00	1.3635-02	4.8463+00	1.3635-02	2.8278-03	1.4426-01	2.5513+05	3.5104-03	7.1100-01
28	524.28	6.4447+01	1.0947+01	3.1489-02	1.0947+01	3.1489-02	6.5305-03	3.3315-01	5.8919+05	8.1194-03	1.0880+00
29	521.75	6.3726+01	1.0971+01	3.1502-02	1.0971+01	3.1502-02	6.5332-03	3.3329-01	5.8944+05	8.1218-03	1.3070+00
30	546.26	7.3232+01	1.2837+01	3.7497-02	1.2837+01	3.7497-02	7.7765-03	3.9672-01	7.0161+05	9.6789-03	1.6410+00
31	527.41	4.5796+01	8.0531+00	2.3215-02	8.0531+00	2.3215-02	4.8146-03	2.4562-01	4.3438+05	5.9869-03	1.7720+00
32	555.74	3.0871+01	5.4422+00	1.6004-02	5.4422+00	1.6004-02	3.3191-03	1.6933-01	2.9946+05	4.1330-03	2.4660+00
33	491.38	1.1296+01	1.9188+00	5.3962-03	1.9188+00	5.3962-03	1.1191-03	5.7093-02	1.0097+05	1.3893-03	3.0090+00
34	465.06	5.7688+00	9.4876-01	2.6216-03	9.4876-01	2.6216-03	5.4369-04	2.7737-02	4.9053+04	6.7410-04	3.3930+00
35	457.35	4.7621+00	7.4636-01	2.0518-03	7.4636-01	2.0518-03	4.2553-04	2.1708-02	3.8392+04	5.2740-04	3.7770+00
36	523.10	6.4100+01	1.0913+01	3.1365-02	1.0913+01	3.1365-02	6.5048-03	3.3185-01	5.8688+05	8.0871-03	1.3070+00
37	554.68	2.8132+01	5.0152+00	1.4737-02	5.0152+00	1.4737-02	3.0564-03	1.5592-01	2.7575+05	3.8056-03	2.4660+00
38	493.29	1.4414+01	2.4152+00	6.8011-03	2.4152+00	6.8011-03	1.4105-03	7.1956-02	1.2726+05	1.7511-03	3.0090+00
39	462.64	7.7855+00	1.2707+00	3.5054-03	1.2707+00	3.5054-03	7.2699-04	3.7087-02	6.5590+04	9.0125-04	3.3930+00
40	454.32	4.7418+00	7.6259-01	2.0922-03	7.6259-01	2.0922-03	4.3391-04	2.2136-02	3.9148+04	5.3771-04	3.7770+00
41	457.60	3.6836+00	5.8106-01	1.5976-03	5.8106-01	1.5976-03	3.3133-04	1.6903-02	2.9894+04	4.1066-04	4.1620+00
43	473.70	4.3247+00	7.2611-01	2.0179-03	7.2611-01	2.0179-03	4.1850-04	2.1350-02	3.7758+04	5.1909-04	5.3230+00
47	513.42	4.4762+01	7.5060+00	2.1430-02	7.5060+00	2.1430-02	4.4443-03	2.2673-01	4.0098+05	5.5228-03	7.1100-01
48	527.32	5.4255+01	9.3447+00	2.6937-02	9.3447+00	2.6937-02	5.5865-03	2.8500-01	5.0402+05	6.9467-03	1.0880+00
49	515.39	5.8393+01	1.0042+01	2.8709-02	1.0042+01	2.8709-02	5.9541-03	3.0375-01	5.3719+05	7.3996-03	1.3070+00
50	553.03	6.5128+01	1.1531+01	3.3844-02	1.1531+01	3.3844-02	7.0189-03	3.5807-01	6.3326+05	8.7389-03	1.6410+00
51	535.26	4.0323+01	7.1251+00	2.0653-02	7.1251+00	2.0653-02	4.2832-03	2.1851-01	3.8644+05	5.3281-03	1.7720+00
52	518.70	1.0708+01	1.8727+00	5.3659-03	1.8727+00	5.3659-03	1.1128-03	5.6772-02	1.0040+05	1.3832-03	2.4660+00
53	477.88	8.6062+00	1.4276+00	3.9784-03	1.4276+00	3.9784-03	8.2509-04	4.2092-02	7.4441+04	1.0236-03	3.0090+00
54	457.11	6.7979+00	1.0987+00	3.0198-03	1.0987+00	3.0198-03	6.2629-04	3.1950-02	5.6505+04	7.7622-04	3.3930+00
55	454.73	6.4997+00	1.0297+00	2.8257-03	1.0297+00	2.8257-03	5.8602-04	2.9896-02	5.2872+04	7.2623-04	3.7770+00
56	473.60	1.3973+01	2.1793+00	6.0562-03	2.1793+00	6.0562-03	1.2560-03	6.4075-02	1.1332+05	1.5579-03	4.1100-01
57	504.85	3.6689+01	6.0817+00	1.7261-02	6.0817+00	1.7261-02	3.5799-03	1.8263-01	3.2298+05	4.4468-03	7.1100-01
58	496.03	3.8659+01	6.5280+00	1.8417-02	6.5280+00	1.8417-02	3.8195-03	1.9486-01	3.4461+05	4.7425-03	1.0880+00
59	486.62	3.5447+01	5.9669+00	1.6727-02	5.9669+00	1.6727-02	3.4691-03	1.7698-01	3.1299+05	4.3055-03	1.3070+00
60	521.28	4.2341+01	7.3086+00	2.0979-02	7.3086+00	2.0979-02	4.3510-03	2.2197-01	3.9255+05	5.4088-03	1.6410+00
61	470.40	5.4348+00	8.9434-01	2.4800-03	8.9434-01	2.4800-03	5.1433-04	2.6239-02	4.6404+04	6.3785-04	3.0090+00
62	454.69	5.3075+00	8.5638-01	2.3501-03	8.5638-01	2.3501-03	4.8739-04	2.4864-02	4.3974+04	6.0400-04	3.3930+00
63	454.58	3.8608+00	6.1154-01	1.6781-03	6.1154-01	1.6781-03	3.4802-04	1.7754-02	3.1399+04	4.3129-04	3.7770+00
64	469.25	2.1002+01	3.5573+00	9.8569-03	3.5573+00	9.8569-03	2.0442-03	1.0429-01	1.8443+05	2.5350-03	1.0880+00
65	470.40	2.3621+01	4.0041+00	1.1103-02	4.0041+00	1.1103-02	2.3028-03	1.1748-01	2.0776+05	2.8558-03	1.3070+00
66	506.44	3.3809+01	5.8673+00	1.6671-02	5.8673+00	1.6671-02	3.4574-03	1.7638-01	3.1194+05	4.2950-03	1.6410+00
69	477.10	1.8392+01	3.1316+00	8.7229-03	3.1316+00	8.7229-03	1.8091-03	9.2290-02	1.6322+05	2.2442-03	4.1100-01
70	456.89	5.3694+00	9.0194-01	2.4787-03	9.0194-01	2.4787-03	5.1407-04	2.6225-02	4.6380+04	6.3713-04	7.1100-01
71	458.80	9.8795+00	1.6568+00	4.5591-03	1.6568+00	4.5591-03	9.4552-04	4.8236-02	8.5307+04	1.1720-03	1.3070+00
72	474.20	1.2341+01	2.0973+00	5.8306-03	2.0973+00	5.8306-03	1.2092-03	6.1689-02	1.0910+05	1.4999-03	1.6410+00
73	467.31	6.3138+00	1.0275+00	2.8433-03	1.0275+00	2.8433-03	5.8967-04	3.0082-02	5.3201+04	7.3117-04	3.7770+00
74	484.02	5.5829+00	9.3260-01	2.6098-03	9.3260-01	2.6098-03	5.4125-04	2.7612-02	4.8833+04	6.7166-04	5.3230+00
77	474.22	9.7590+00	1.6439+00	4.5702-03	1.6439+00	4.5702-03	9.4783-04	4.8354-02	8.5515+04	1.1757-03	3.0090+00
78	461.66	1.1991+01	1.9793+00	5.4568-03	1.9793+00	5.4568-03	1.1317-03	5.7734-02	1.0210+05	1.4029-03	3.3930+00
79	460.14	1.0534+01	1.7060+00	4.6985-03	1.7060+00	4.6985-03	9.7443-04	4.9711-02	8.7915+04	1.2079-03	3.7770+00
80	543.59	1.8570+01	3.3077+00	9.6437-03	3.3077+00	9.6437-03	2.0000-03	1.0203-01	1.8045+05	2.4890-03	2.4660+00
81	481.11	8.6104+00	1.4571+00	4.0695-03	1.4571+00	4.0695-03	8.4398-04	4.3056-02	7.6146+04	1.0472-03	3.0090+00
82	463.47	1.3370+01	2.2163+00	6.1175-03	2.2163+00	6.1175-03	1.2687-03	6.4723-02	1.1447+05	1.5729-03	3.3930+00
83	459.60	1.0912+01	1.7880+00	4.9226-03	1.7880+00	4.9226-03	1.0209-03	5.2081-02	9.2108+04	1.2654-03	3.7770+00
337	603.05	4.7372+01	9.5518+00	2.9068-02	9.5518+00	2.9068-02	6.0284-03	3.0754-01	5.4389+05	7.5242-03	7.1680+00
339	565.32	2.6538+01	5.3473+00	1.5833-02	5.3473+00	1.5833-02	3.2836-03	1.6751-01	2.9625+05	4.0907-03	8.1130+00
340	501.47	7.8888+00	1.4964+00	4.2374-03	1.4964+00	4.2374-03	8.7879-04	4.4832-02	7.9286+04	1.0914-03	8.6180+00
342	593.58	4.2424+01	8.7805+00	2.6535-02	8.7805+00	2.6535-02	5.5032-03	2.8075-01	4.9651+05	6.8654-03	7.1680+00
344	556.56	2.0814+01	4.1939+00	1.2340-02	4.1939+00	1.2340-02	2.5593-03	1.3056-01	2.3090+05	3.1869-03	8.1130+00
347	538.00	1.6958+01	3.2911+00	9.5578-03	3.2911+00	9.5578-03	1.9822-03	1.0112-01	1.7884+05	2.4661-03	7.1680+00
349	534.79	1.6634+01	3.2993+00	9.5600-03	3.2993+00	9.5600-03	1.9827-03	1.0115-01	1.7888+05	2.4663-03	8.1130+00
350	490.10	3.7044+00	6.5847-01	1.8502-03	6.5847-01	1.8502-03	3.8372-04	1.9576-02	3.4620+04	4.7632-04	8.6180+00
352	519.83	6.5496+00	1.2267+00	3.5178-03	1.2267+00	3.5178-03	7.2956-04	3.7219-02	6.5823+04	9.0688-04	7.1680+00
354	525.19	6.9543+00	1.3676+00	3.9363-03	1.3676+00	3.9363-03	8.1636-04	4.1647-02	7.3654+04	1.0150-03	8.1130+00
357	526.38	1.4550+01	2.7288+00	7.8608-03	2.7288+00	7.8608-03	1.6303-03	8.3169-02	1.4709+05	2.0271-03	7.1680+00
359	517.51	7.1262+00	1.3037+00	3.7324-03	1.3037+00	3.7324-03	7.7407-04	3.9490-02	6.9838+04	9.6210-04	8.1130+00
401	550.25	5.7678+01	5.0823+00	1.4888-02	5.0823+00	1.4888-02	3.0876-03	1.5751-01	2.7857+05	3.8436-03	4.5500-01
403	529.55	4.7317+01	4.0683+00	1.1745-02	4.0683+00	1.1745-02	2.4359-03	1.2427-01	2.1977+05	3.0293-03	6.8600-01
404	4157.06	1.5571-02	-8.5390-03	-6.4068-06	-8.5390-03	-6.4068-06	-1.3287-06	-6.7785-05	-1.1988+02	-1.4162-06	8.0130-01
405	603.28	9.1455+01	8.2132+00	2.4998-02	8.2132+00	2.4998-02	5.1844-03	2.6448-01	4.6774+05	6.4709-03	1.0510+00
406	617.32	1.0454+02	9.5191+00	2.9276-02	9.5191+00	2.9276-02	6.0716-03	3.0974-01	5.4779+05	7.5837-03	1.1670+00
407	629.80	1.1058+02	1.0319+01	3.2036-02	1.0319+01	3.2036-02	6.6439-03	3.3894-01	5.9943+05	8.3039-03	1.2830+00
408	562.78	7.2185+01	6.2568+00	1.8492-02	6.2568+00	1.8492-02	3.8351-03	1.9565-01	3.4601+05	4.7771-03	5.1300-01
409	486.73	2.4945+01	2.0997+00	5.8866-03	2.0997+00	5.8866-03	1.2208-03	6.2281-02	1.1015+05	1.5152-03	5.7000-01
410	571.82	7.2502+01	6.2030+00	1.8452-02	6.2030+00	1.8452-02	3.8268-03	1.9523-01	3.4526+05	4.7690-03	6.2800-01
411	491.25	2.8462+01	2.4028+00	6.7568-03	2.4028+00	6.7568-03	1.4013-03	7.1488-02	1.2643+05	1.7395-03	6.8600-01
412	559.64	6.2766+01	5.4960+00	1.6207-02	5.4960+00	1.6207-02	3.3612-03	1.7147-01	3.0326+05	4.1862-03	7.4400-01
413	505.77	3.7925+01	3.2510+00	9.2328-03	3.2510+00	9.2328-03	1.9148-03	9.7685-02	1.7276+05	2.3786-03	8.0100-01
414	575.30	7.7052+01	6.8096+00	2.0308-02	6.8096+00	2.0308-02	4.2116-03	2.1486-01	3.7998+05	5.2494-03	8.5900-01
415	517.45	4.4590+01	3.8278+00	1.0959-02	3.8278+00	1.0959-02	2.2728-03	1.1595-01	2.0505+05	2.8248-03	9.1700-01
416	607.12	8.5041+01	7.1495+00	2.1823-02	7.1495+00	2.1823-02	4.5258-03	2.3089-01	4.0833+05	5.6500-03	5.7000-01
417	619.30	1.0043+02	9.1001+00	2.8029-02	9.1001+00	2.8029-02	5.8130-03	2.9655-01	5.2446+05	7.2614-03	1.0520+00

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9.06988+01 3.40824-02 2.47276+00 4.75087+03 3.15276-05 7.34661-08 1.71045-01 7.72000+00 7.66639-06 7.39798-02

1	526.10	4.6810+01	8.2247+00	2.3685-02	8.2247+00	2.3685-02	4.9147-03	2.5059-01	4.4277+05	6.1023-03	4.1100-01
2	640.72	9.4917+01	1.7820+01	5.5771-02	1.7820+01	5.5771-02	1.1573-02	5.9006-01	1.0426+06	1.4450-02	7.1100-01
3	597.36	7.9232+01	1.4523+01	4.4005-02	1.4523+01	4.4005-02	9.1313-03	4.6558-01	8.2264+05	1.1377-02	1.3070+00
4	676.63	1.1150+02	2.1333+01	6.8640-02	2.1333+01	6.8640-02	1.4243-02	7.2622-01	1.2832+06	1.7818-02	1.6410+00
5	614.23	7.6428+01	1.4804+01	4.5419-02	1.4804+01	4.5419-02	9.4247-03	4.8054-01	8.4907+05	1.1752-02	1.7720+00
6	548.95	2.0486+01	3.5968+00	1.0525-02	3.5968+00	1.0525-02	2.1840-03	1.1136-01	1.9676+05	2.7147-03	2.4660+00
7	482.48	6.1164+00	1.0268+00	2.8700-03	1.0268+00	2.8700-03	5.9555-04	3.0365-02	5.3653+04	7.3794-04	3.0090+00
8	480.12	1.5234+01	2.5307+00	7.0625-03	2.5307+00	7.0625-03	1.4655-03	7.4722-02	1.3203+05	1.8157-03	3.3930+00
9	467.38	1.2180+01	2.0063+00	5.5516-03	2.0063+00	5.5516-03	1.1520-03	5.8737-02	1.0378+05	1.4264-03	3.7770+00
10	490.28	1.2249+01	2.0546+00	5.7732-03	2.0546+00	5.7732-03	1.1980-03	6.1081-02	1.0792+05	1.4849-03	5.3230+00
14	578.93	7.1489+01	1.2966+01	3.8763-02	1.2966+01	3.8763-02	8.0435-03	4.1011-01	7.2464+05	1.0012-02	1.0880+00
15	590.65	7.8642+01	1.4360+01	4.3297-02	1.4360+01	4.3297-02	8.9845-03	4.5809-01	8.0941+05	1.1190-02	1.3070+00
16	637.80	9.5650+01	1.7930+01	5.5990-02	1.7930+01	5.5990-02	1.1618-02	5.9238-01	1.0467+06	1.4505-02	1.6410+00
19	507.74	2.4872+01	3.9283+00	1.1170-02	3.9283+00	1.1170-02	2.3179-03	1.1818-01	2.0882+05	2.8754-03	4.1100-01
20	508.78	3.0028+01	4.9747+00	1.4155-02	4.9747+00	1.4155-02	2.9373-03	1.4977-01	2.6462+05	3.6441-03	7.1100-01
21	576.64	7.0755+01	1.2403+01	3.7020-02	1.2403+01	3.7020-02	7.6818-03	3.9167-01	6.9206+05	9.5611-03	1.0880+00
22	564.58	6.9271+01	1.2130+01	3.5892-02	1.2130+01	3.5892-02	7.4479-03	3.7975-01	6.7098+05	9.2645-03	1.3070+00
23	940.70	9.6620-02	1.9907-02	8.0884-05	1.9907-02	8.0884-05	1.6784-05	8.5576-04	1.5121+03	2.1332-05	1.6410+00
24	490.47	7.3029+00	1.2214+00	3.4324-03	1.2214+00	3.4324-03	7.1225-04	3.6315-02	6.4166+04	8.8287-04	3.0090+00
25	474.26	5.9517+00	9.6121-01	2.6719-03	9.6121-01	2.6719-03	5.5444-04	2.8270-02	4.9950+04	6.8675-04	3.3930+00
26	467.92	6.5626+00	1.0619+00	2.9394-03	1.0619+00	2.9394-03	6.0994-04	3.1099-02	5.4949+04	7.5527-04	3.7770+00
27	506.79	2.9686+01	4.9119+00	1.3958-02	4.9119+00	1.3958-02	2.8963-03	1.4768-01	2.6093+05	3.5929-03	7.1100-01
28	555.82	6.1880+01	1.0715+01	3.1507-02	1.0715+01	3.1507-02	6.5380-03	3.3335-01	5.8901+05	8.1292-03	1.0880+00
29	553.10	6.1736+01	1.0834+01	3.1796-02	1.0834+01	3.1796-02	6.5978-03	3.3640-01	5.9439+05	8.2025-03	1.3070+00
30	582.17	7.0279+01	1.2584+01	3.7709-02	1.2584+01	3.7709-02	7.8248-03	3.9896-01	7.0493+05	9.7417-03	1.6410+00
31	550.15	4.5045+01	8.0318+00	2.3523-02	8.0318+00	2.3523-02	4.8811-03	2.4887-01	4.3974+05	6.0674-03	1.7720+00
32	571.26	3.0929+01	5.5029+00	1.6361-02	5.5029+00	1.6361-02	3.3949-03	1.7310-01	3.0585+05	4.2244-03	2.4660+00
33	496.99	1.1191+01	1.9078+00	5.3850-03	1.9078+00	5.3850-03	1.1174-03	5.6974-02	1.0067+05	1.3855-03	3.0090+00
34	467.95	5.7642+00	9.4983-01	2.6292-03	9.4983-01	2.6292-03	5.4558-04	2.7818-02	4.9151+04	6.7558-04	3.3930+00
35	459.72	4.7273+00	7.4210-01	2.0430-03	7.4210-01	2.0430-03	4.2394-04	2.1615-02	3.8192+04	5.2475-04	3.7770+00
36	554.69	6.2419+01	1.0834+01	3.1831-02	1.0834+01	3.1831-02	6.6051-03	3.3678-01	5.9505+05	8.2123-03	1.3070+00
37	568.85	2.8514+01	5.1261+00	1.5214-02	5.1261+00	1.5214-02	3.1570-03	1.6097-01	2.8441+05	3.9279-03	2.4660+00
38	500.35	1.3964+01	2.3504+00	6.6498-03	2.3504+00	6.6498-03	1.3799-03	7.0355-02	1.2431+05	1.7112-03	3.0090+00
39	466.60	7.9413+00	1.2956+00	3.5940-03	1.2956+00	3.5940-03	7.4579-04	3.8026-02	6.7188+04	9.2343-04	3.3930+00
40	456.72	4.8623+00	7.8325-01	2.1520-03	7.8325-01	2.1520-03	4.4656-04	2.2769-02	4.0230+04	5.5267-04	3.7770+00
41	459.42	3.6613+00	5.7825-01	1.5916-03	5.7825-01	1.5916-03	3.3027-04	1.6839-02	2.9754+04	4.0880-04	4.1620+00
43	475.85	4.3668+00	7.3422-01	2.0431-03	7.3422-01	2.0431-03	4.2396-04	2.1617-02	3.8195+04	5.2517-04	5.3230+00
47	535.54	4.3512+01	7.3976+00	2.1444-02	7.3976+00	2.1444-02	4.4497-03	2.2688-01	4.0087+05	5.5273-03	7.1100-01
48	553.58	5.1119+01	8.9468+00	2.6266-02	8.9468+00	2.6266-02	5.4504-03	2.7790-01	4.9102+05	6.7762-03	1.0880+00
49	543.99	5.6075+01	9.8158+00	2.8623-02	9.8158+00	2.8623-02	5.9394-03	3.0283-01	5.3508+05	7.3808-03	1.3070+00
50	584.81	6.2211+01	1.1222+01	3.3693-02	1.1222+01	3.3693-02	6.9915-03	3.5648-01	6.2987+05	8.7055-03	1.6410+00
51	555.24	3.9654+01	7.0922+00	2.0846-02	7.0922+00	2.0846-02	4.3257-03	2.2055-01	3.8970+05	5.3783-03	1.7720+00
52	524.12	1.0828+01	1.9002+00	5.4644-03	1.9002+00	5.4644-03	1.1339-03	5.7814-02	1.0215+05	1.4077-03	2.4660+00
53	482.18	8.5491+00	1.4221+00	3.9741-03	1.4221+00	3.9741-03	8.2466-04	4.2047-02	7.4293+04	1.0218-03	3.0090+00
54	460.55	6.9138+00	1.1200+00	3.0851-03	1.1200+00	3.0851-03	6.4017-04	3.2640-02	5.7673+04	7.9244-04	3.3930+00
55	458.09	6.7034+00	1.0643+00	2.9269-03	1.0643+00	2.9269-03	6.0736-04	3.0968-02	5.4717+04	7.5174-04	3.7770+00
56	480.87	1.4837+01	2.3252+00	6.4923-03	2.3252+00	6.4923-03	1.3472-03	6.8689-02	1.2137+05	1.6692-03	4.1100-01
57	523.03	3.5976+01	6.0322+00	1.7334-02	6.0322+00	1.7334-02	3.5969-03	1.8340-01	3.2405+05	4.4654-03	7.1100-01
58	514.96	3.7190+01	6.3562+00	1.8164-02	6.3562+00	1.8164-02	3.7690-03	1.9217-01	3.3955+05	4.6773-03	1.0880+00
59	504.24	3.5169+01	5.9879+00	1.6986-02	5.9879+00	1.6986-02	3.5246-03	1.7971-01	3.1753+05	4.3718-03	1.3070+00
60	542.30	4.1815+01	7.3121+00	2.1296-02	7.3121+00	2.1296-02	4.4191-03	2.2532-01	3.9812+05	5.4911-03	1.6410+00
61	473.14	5.3018+00	8.7405-01	2.4278-03	8.7405-01	2.4278-03	5.0379-04	2.5687-02	4.5386+04	6.2397-04	3.0090+00
62	457.33	5.2249+00	8.4457-01	2.3214-03	8.4457-01	2.3214-03	4.8171-04	2.4561-02	4.3398+04	5.9620-04	3.3930+00
63	456.50	3.9096+00	6.2008-01	1.7035-03	6.2008-01	1.7035-03	3.5348-04	1.8023-02	3.1845+04	4.3748-04	3.7770+00
64	479.85	2.1427+01	3.6549+00	1.0198-02	3.6549+00	1.0198-02	2.1161-03	1.0789-01	1.9064+05	2.6218-03	1.0880+00
65	482.21	2.3462+01	4.0083+00	1.1202-02	4.0083+00	1.1202-02	2.3244-03	1.1852-01	2.0941+05	2.8802-03	1.3070+00
66	523.28	3.3367+01	5.8524+00	1.6820-02	5.8524+00	1.6820-02	3.4903-03	1.7796-01	3.1444+05	4.3331-03	1.6410+00
69	486.65	1.9600+01	3.3583+00	9.4133-03	3.3583+00	9.4133-03	1.9533-03	9.9594-02	1.7597+05	2.4208-03	4.1100-01
70	459.57	5.3418+00	8.9895-01	2.4746-03	8.9895-01	2.4746-03	5.1349-04	2.6181-02	4.6260+04	6.3559-04	7.1100-01
71	463.74	9.9694+00	1.6775+00	4.6304-03	1.6775+00	4.6304-03	9.6085-04	4.8991-02	8.6563+04	1.1896-03	1.3070+00
72	480.36	1.2325+01	2.1031+00	5.8701-03	2.1031+00	5.8701-03	1.2181-03	6.2107-02	1.0974+05	1.5092-03	1.6410+00
73	470.43	6.3034+00	1.0279+00	2.8500-03	1.0279+00	2.8500-03	5.9140-04	3.0154-02	5.3279+04	7.3240-04	3.7770+00
74	486.81	5.5782+00	9.3352-01	2.6169-03	9.3352-01	2.6169-03	5.4303-04	2.7687-02	4.8921+04	6.7300-04	5.3230+00
77	479.12	9.8520+00	1.6650+00	4.6434-03	1.6650+00	4.6434-03	9.6353-04	4.9128-02	8.6804+04	1.1937-03	3.0090+00
78	467.66	1.1922+01	1.9759+00	5.4684-03	1.9759+00	5.4684-03	1.1347-03	5.7856-02	1.0223+05	1.4051-03	3.3930+00
79	465.36	1.0437+01	1.6962+00	4.6872-03	1.6962+00	4.6872-03	9.7262-04	4.9591-02	8.7624+04	1.2042-03	3.7770+00
80	553.22	1.9761+01	3.5403+00	1.0391-02	3.5403+00	1.0391-02	2.1562-03	1.0994-01	1.9425+05	2.6806-03	2.4660+00
81	485.43	8.6961+00	1.4758+00	4.1332-03	1.4758+00	4.1332-03	8.5766-04	4.3729-02	7.7266+04	1.0629-03	3.0090+00
82	470.12	1.3297+01	2.2141+00	6.1377-03	2.2141+00	6.1377-03	1.2736-03	6.4937-02	1.1474+05	1.5772-03	3.3930+00
83	465.08	1.0956+01	1.8019+00	4.9784-03	1.8019+00	4.9784-03	1.0330-03	5.2672-02	9.3067+04	1.2790-03	3.7770+00
337	626.52	4.6358+01	9.4700+00	2.9322-02	9.4700+00	2.9322-02	6.0845-03	3.1023-01	5.4815+05	7.5918-03	7.1680+00
339	578.61	2.6452+01	5.3718+00	1.6056-02	5.3718+00	1.6056-02	3.3317-03	1.6987-01	3.0015+05	4.1471-03	8.1130+00
340	505.46	7.9538+00	1.5126+00	4.2942-03	1.5126+00	4.2942-03	8.9108-04	4.5434-02	8.0277+04	1.1053-03	8.6180+00
342	614.58	4.1742+01	8.7421+00	2.6827-02	8.7421+00	2.6827-02	5.5669-03	2.8384-01	5.0152+05	6.9418-03	7.1680+00
344	566.91	2.0555+01	4.1673+00	1.2351-02	4.1673+00	1.2351-02	2.5630-03	1.3068-01	2.3090+05	3.1884-03	8.1130+00
347	546.48	1.6957+01	3.3079+00	9.6628-03	3.3079+00	9.6628-03	2.0051-03	1.0223-01	1.8064+05	2.4920-03	7.1680+00
349	543.05	1.6407+01	3.2706+00	9.5308-03	3.2706+00	9.5308-03	1.9777-03	1.0084-01	1.7817+05	2.4575-03	8.1130+00
350	491.96	3.7792+00	6.7258-01	1.8920-03	6.7258-01	1.8920-03	3.9260-04	2.0018-02	3.5370+04	4.8669-04	8.6180+00
352	523.11	6.5455+00	1.2285+00	3.5303-03	1.2285+00	3.5303-03	7.3256-04	3.7351-02	6.5996+04	9.0943-04	7.1680+00
354	528.65	6.8956+00	1.3590+00	3.9204-03	1.3590+00	3.9204-03	8.1350-04	4.1478-02	7.3288+04	1.0102-03	8.1130+00
357	533.63	1.4395+01	2.7119+00	7.8506-03	2.7119+00	7.8506-03	1.6290-03	8.3060-02	1.4676+05	2.0234-03	7.1680+00
359	521.09	7.1517+00	1.3113+00	3.7630-03	1.3113+00	3.7630-03	7.8084-04	3.9813-02	7.0345+04	9.6927-04	8.1130+00
401	578.48	5.5126+01	4.9393+00	1.4762-02	4.9393+00	1.4762-02	3.0631-03	1.5618-01	2.7596+05	3.8129-03	4.5500-01
403	553.31	4.7538+01	4.1469+00	1.2172-02	4.1469+00	1.2172-02	2.5258-03	1.2878-01	2.2755+05	3.1402-03	6.8600-01
404	4157.09	5.1791-03	-2.8401-03	-2.1309-06	-2.8401-03	-2.1309-06	-4.4217-07	-2.2545-05	-3.9835+01	-4.7092-07	8.0100-01
405	647.23	8.4415+01	7.7658+00	2.4425-02	7.7658+00	2.4425-02	5.0684-03	2.5842-01	4.5661+05	6.3307-03	1.0510+00
406	666.41	9.2614+01	8.6582+00	2.7637-02	8.6582+00	2.7637-02	5.7349-03	2.9241-01	5.1666+05	7.1704-03	1.1670+00
407	681.57	9.7534+01	9.3539+00	3.0213-02	9.3539+00	3.0213-02	6.2694-03	3.1966-01	5.6481+05	7.8449-03	1.2830+00
408	598.05	6.8815+01	6.0879+00	1.8456-02	6.0879+00	1.8456-02	3.8297-03	1.9526-01	3.4501+05	4.7716-03	5.1300-01
409	499.93	2.7737+01	2.3547+00	6.6599-03	2.3547+00	6.6599-03	1.3820-03	7.0463-02	1.2450+05	1.7138-03	5.7000-01
410	606.90	6.7866+01	5.9243+00	1.8077-02	5.9243+00	1.8077-02	3.7511-03	1.9126-01	3.3794+05	4.6758-03	6.2800-01
411	506.10	3.0893+01	2.6330+00	7.4784-03	2.6330+00	7.4784-03	1.5518-03	7.9123-02	1.3980+05	1.9250-03	6.8600-01
412	590.07	5.8650+01	5.2277+00	1.5756-02	5.2277+00	1.5756-02	3.2694-03	1.6670-01	2.9454+05	4.0719-03	7.4400-01
413	524.98	3.8922+01	3.3770+00	9.7173-03	3.3770+00	9.7173-03	2.0164-03	1.0281-01	1.8166+05	2.5035-03	8.0100-01
414	612.77	7.2751+01	6.5683+00	2.0129-02	6.5683+00	2.0129-02	4.1770-03	2.1297-01	3.7630+05	5.2082-03	8.5900-01
415	539.72	4.4576+01	3.8797+00	1.1279-02	3.8797+00	1.1279-02	2.3405-03	1.1934-01	2.1086+05	2.9079-03	9.1700-01
416	647.30	7.6319+01	6.5589+00	2.0630-02	6.5589+00	2.0630-02	4.2809-03	2.1827-01	3.8567+05	5.3471-03	5.7000-01
417	667.16	9.0803+01	8.4418+00	2.6962-02	8.4418+00	2.6962-02	5.5948-03	2.8526-01	5.0403+05	6.9954-03	1.0520+00

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44 1 -3.02 -15.02 .00 -.00 402 11 1.90 10.18 1660.8 1873.0

9.06535+01 3.40290-02 2.46884+00 4.74964+03 3.14939-05 7.34293-08 1.70903-01 7.72000+00 7.66208-06 7.39844-02

1	482.90	4.4592+01	7.6218+00	2.1321-02	7.6218+00	2.1321-02	4.4302-03	2.2550-01	3.9881+05	5.4827-03	4.1100-01
2	507.27	9.4686+01	1.6441+01	4.6760-02	1.6441+01	4.6760-02	9.7159-03	4.9454-01	8.7463+05	1.2038-02	7.1100-01
3	513.28	1.1116+02	1.9375+01	5.5332-02	1.9375+01	5.5332-02	1.1497-02	5.8519-01	1.0350+06	1.4248-02	1.3070+00
4	507.65	7.4152+01	1.2879+01	3.6638-02	1.2879+01	3.6638-02	7.6127-03	3.8749-01	6.8530+05	9.4321-03	1.6410+00
5	513.61	4.4908+01	8.1952+00	2.3410-02	8.1952+00	2.3410-02	4.8641-03	2.4758-01	4.3788+05	6.0284-03	1.7720+00
6	549.06	2.1091+01	3.7033+00	1.0844-02	3.7033+00	1.0844-02	2.2531-03	1.1468-01	2.0283+05	2.7971-03	2.4660+00
7	498.16	1.3869+01	2.3522+00	6.6483-03	2.3522+00	6.6483-03	1.3814-03	7.0313-02	1.2435+05	1.7108-03	3.0090+00
8	479.96	1.9718+01	3.2752+00	9.1440-03	3.2752+00	9.1440-03	1.9000-03	9.6708-02	1.7104+05	2.3510-03	3.3930+00
9	467.76	1.8891+01	3.1126+00	8.6195-03	3.1126+00	8.6195-03	1.7910-03	9.1160-02	1.6123+05	2.2149-03	3.7770+00
10	484.48	1.8001+01	3.0079+00	8.4234-03	3.0079+00	8.4234-03	1.7502-03	8.9086-02	1.5756+05	2.1662-03	5.3230+00
14	490.01	8.6107+01	1.4786+01	4.1562-02	1.4786+01	4.1562-02	8.6358-03	4.3956-01	7.7741+05	1.0691-02	1.0880+00
15	492.45	9.0660+01	1.5593+01	4.3901-02	1.5593+01	4.3901-02	9.1219-03	4.6431-01	8.2117+05	1.1294-02	1.3070+00
16	510.33	9.3869+01	1.6331+01	4.6544-02	1.6331+01	4.6544-02	9.6710-03	4.9226-01	8.7060+05	1.1984-02	1.6410+00
19	506.91	7.3583+01	1.1616+01	3.3029-02	1.1616+01	3.3029-02	6.8627-03	3.4931-01	6.1779+05	8.5026-03	4.1100-01
20	480.08	5.3762+01	8.7429+00	2.4412-02	8.7429+00	2.4412-02	5.0723-03	2.5818-01	4.5661+05	6.2765-03	7.1100-01
21	474.56	6.9135+01	1.1374+01	3.1640-02	1.1374+01	3.1640-02	6.5743-03	3.3463-01	5.9182+05	8.1330-03	1.0880+00
22	468.81	6.3680+01	1.0499+01	2.9095-02	1.0499+01	2.9095-02	6.0455-03	3.0772-01	5.4422+05	7.4769-03	1.3070+00
23	954.78	3.2000-01	6.6272-02	2.7335-04	6.6272-02	2.7335-04	5.6796-05	2.8909-03	5.1129+03	7.2171-05	1.6410+00
24	489.20	5.4795+00	9.1568-01	2.5725-03	9.1568-01	2.5725-03	5.3451-04	2.7207-02	4.8117+04	6.6169-04	3.0090+00
25	474.34	6.7231+00	1.0859+00	3.0202-03	1.0859+00	3.0202-03	6.2754-04	3.1942-02	5.6492+04	7.7633-04	3.3930+00
26	467.65	8.2961+00	1.3422+00	3.7164-03	1.3422+00	3.7164-03	7.7221-04	3.9305-02	6.9515+04	9.5500-04	3.7770+00
27	513.83	1.3303+02	2.2110+01	6.3169-02	2.2110+01	6.3169-02	1.3125-02	6.6808-01	1.1816+06	1.6267-02	7.1100-01
28	476.05	7.4915+01	1.2337+01	3.4353-02	1.2337+01	3.4353-02	7.1380-03	3.6332-01	6.4257+05	8.8310-03	1.0880+00
29	472.27	6.2947+01	1.0496+01	2.9154-02	1.0496+01	2.9154-02	6.0577-03	3.0834-01	5.4532+05	7.4932-03	1.3070+00
30	485.67	5.4901+01	9.2633+00	2.5962-02	9.2633+00	2.5962-02	5.3944-03	2.7458-01	4.8561+05	6.6769-03	1.6410+00
31	498.57	3.8323+01	6.6172+00	1.8709-02	6.6172+00	1.8709-02	3.8873-03	1.9786-01	3.4994+05	4.8143-03	1.7720+00
32	546.55	2.1351+01	3.7433+00	1.0941-02	3.7433+00	1.0941-02	2.2734-03	1.1572-01	2.0465+05	2.8219-03	2.4660+00
33	494.48	1.4972+01	2.5483+00	7.1849-03	2.5483+00	7.1849-03	1.4929-03	7.5988-02	1.3439+05	1.8486-03	3.0090+00
34	468.27	9.0582+00	1.4929+00	4.1357-03	1.4929+00	4.1357-03	8.5933-04	4.3740-02	7.7358+04	1.0628-03	3.3930+00
35	458.84	6.4951+00	1.0190+00	2.8052-03	1.0190+00	2.8052-03	5.8287-04	2.9668-02	5.2471+04	7.2055-04	3.7770+00
36	469.16	5.4864+01	9.0209+00	2.5004-02	9.0209+00	2.5004-02	5.1954-03	2.6445-01	4.6770+05	6.4257-03	1.3070+00
37	552.26	2.8046+01	4.9924+00	1.4651-02	4.9924+00	1.4651-02	3.0443-03	1.5495-01	2.7405+05	3.7799-03	2.4660+00
38	489.84	7.7958+00	1.3033+00	3.6631-03	1.3033+00	3.6631-03	7.6112-04	3.8741-02	6.8517+04	9.4224-04	3.0090+00
39	460.72	3.6031+00	5.8730-01	1.6188-03	5.8730-01	1.6188-03	3.3636-04	1.7120-02	3.0279+04	4.1584-04	3.3930+00
40	453.44	3.3621+00	5.4037-01	1.4823-03	5.4037-01	1.4823-03	3.0799-04	1.5677-02	2.7726+04	3.8065-04	3.7770+00
41	458.47	5.3517+00	8.4468-01	2.3247-03	8.4468-01	2.3247-03	4.8304-04	2.4587-02	4.3483+04	5.9713-04	4.1620+00
43	472.58	3.6764+00	6.1680-01	1.7136-03	6.1680-01	1.7136-03	3.5605-04	1.8123-02	3.2052+04	4.4043-04	5.3230+00
47	481.15	4.9462+01	8.1235+00	2.2698-02	8.1235+00	2.2698-02	4.7163-03	2.4006-01	4.2456+05	5.8363-03	7.1100-01
48	489.06	7.9685+01	1.3395+01	3.7628-02	1.3395+01	3.7628-02	7.8184-03	3.9795-01	7.0382+05	9.6786-03	1.0880+00
49	462.70	4.7809+01	7.9446+00	2.1927-02	7.9446+00	2.1927-02	4.5560-03	2.3190-01	4.1013+05	5.6331-03	1.3070+00
50	480.58	3.1235+01	5.2839+00	1.4758-02	5.2839+00	1.4758-02	3.0665-03	1.5609-01	2.7605+05	3.7947-03	1.6410+00
51	496.45	2.1630+01	3.7298+00	1.0530-02	3.7298+00	1.0530-02	2.1879-03	1.1137-01	1.9696+05	2.7094-03	1.7720+00
52	522.47	1.0528+01	1.8456+00	5.3044-03	1.8456+00	5.3044-03	1.1021-03	5.6099-02	9.9217+04	1.3665-03	2.4660+00
53	477.99	4.4904+00	7.4490-01	2.0770-03	7.4490-01	2.0770-03	4.3155-04	2.1966-02	3.8849+04	5.3396-04	3.0090+00
54	457.73	7.4774+00	1.2090+00	3.3258-03	1.2090+00	3.3258-03	6.9104-04	3.5174-02	6.2208+04	8.5422-04	3.3930+00
55	453.89	8.3221+00	1.3176+00	3.6153-03	1.3176+00	3.6153-03	7.5120-04	3.8236-02	6.7624+04	9.2843-04	3.7770+00
56	462.49	9.9522+00	1.5407+00	4.2517-03	1.5407+00	4.2517-03	8.8342-04	4.4966-02	7.9527+04	1.0923-03	4.1100-01
57	474.73	3.5582+01	5.7838+00	1.6091-02	5.7838+00	1.6091-02	3.3435-03	1.7018-01	3.0098+05	4.1363-03	7.1100-01
58	463.01	3.7784+01	6.2428+00	1.7233-02	6.2428+00	1.7233-02	3.5807-03	1.8226-01	3.2234+05	4.4274-03	1.0880+00
59	460.05	3.8205+01	6.3186+00	1.7408-02	6.3186+00	1.7408-02	3.6171-03	1.8411-01	3.2562+05	4.4718-03	1.3070+00
60	482.58	3.6135+01	6.0846+00	1.7018-02	6.0846+00	1.7018-02	3.5360-03	1.7998-01	3.1831+05	4.3760-03	1.6410+00
61	471.04	6.0031+00	9.8828-01	2.7428-03	9.8828-01	2.7428-03	5.6990-04	2.9008-02	5.1303+04	7.0490-04	3.0090+00
62	452.54	3.4005+00	5.4788-01	1.5020-03	5.4788-01	1.5020-03	3.1208-04	1.5885-02	2.8094+04	3.8569-04	3.3930+00
63	452.15	2.0696+00	3.2728-01	8.9699-04	3.2728-01	8.9699-04	1.8638-04	9.4867-03	1.6778+04	2.3033-04	3.7770+00
64	451.19	1.6158+01	2.7038+00	7.4056-03	2.7038+00	7.4056-03	1.5388-03	7.8323-02	1.3852+05	1.9016-03	1.0880+00
65	450.71	2.1743+01	3.6371+00	9.9589-03	3.6371+00	9.9589-03	2.0693-03	1.0533-01	1.8628+05	2.5571-03	1.3070+00
66	474.35	2.7877+01	4.7360+00	1.3178-02	4.7380+00	1.3178-02	2.7382-03	1.3938-01	2.4650+05	3.3874-03	1.6410+00
69	461.32	9.8104+00	1.6529+00	4.5577-03	1.6529+00	4.5577-03	9.4701-04	4.8203-02	8.5250+04	1.1708-03	4.1100-01
70	450.31	3.2431+00	5.4234-01	1.4846-03	5.4234-01	1.4846-03	3.0847-04	1.5701-02	2.7769+04	3.8119-04	7.1100-01
71	448.98	7.7434+00	1.2899+00	3.5280-03	1.2899+00	3.5280-03	7.3306-04	3.7313-02	6.5991+04	9.0581-04	1.3070+00
72	464.35	1.4992+01	2.5310+00	6.9931-03	2.5310+00	6.9931-03	1.4530-03	7.3959-02	1.3080+05	1.7967-03	1.6410+00
73	463.55	5.1797+00	8.4079-01	2.3218-03	8.4079-01	2.3218-03	4.8244-04	2.4556-02	4.3429+04	5.9652-04	3.7770+00
74	481.96	4.4104+00	7.3574-01	2.0569-03	7.3574-01	2.0569-03	4.2739-04	2.1754-02	3.8474+04	5.2890-04	5.3230+00
77	488.51	2.1199+01	3.6049+00	1.0123-02	3.6049+00	1.0123-02	2.1033-03	1.0706-01	1.8934+05	2.6037-03	3.0090+00
78	465.61	1.4021+01	2.3206+00	6.4171-03	2.3206+00	6.4171-03	1.3334-03	6.7868-02	1.2003+05	1.6488-03	3.3930+00
79	462.10	1.2767+01	2.0703+00	5.7117-03	2.0703+00	5.7117-03	1.1868-03	6.0407-02	1.0684+05	1.4673-03	3.7770+00
80	553.63	1.8581+01	3.3297+00	9.7814-03	3.3297+00	9.7814-03	2.0324-03	1.0345-01	1.8296+05	2.5236-03	2.4660+00
81	500.34	1.9703+01	3.3762+00	9.5570-03	3.3762+00	9.5570-03	1.9858-03	1.0108-01	1.7876+05	2.4595-03	3.0090+00
82	475.70	1.7912+01	2.9935+00	8.3339-03	2.9935+00	8.3339-03	1.7316-03	8.8140-02	1.5588+05	2.1423-03	3.3930+00
83	466.04	1.7072+01	2.8096+00	7.7715-03	2.8096+00	7.7715-03	1.6148-03	8.2193-02	1.4536+05	1.9969-03	3.7770+00
337	600.60	4.7969+01	9.6588+00	2.9353-02	9.6588+00	2.9353-02	6.0991-03	3.1044-01	5.4905+05	7.5908-03	7.1680+00
339	587.33	4.2780+01	8.7314+00	2.6278-02	8.7314+00	2.6278-02	5.4602-03	2.7792-01	4.9153+05	6.7911-03	8.1130+00
340	516.99	1.5415+01	2.9529+00	8.4547-03	2.9529+00	8.4547-03	1.7567-03	8.9418-02	1.5814+05	2.1775-03	8.6180+00
342	591.64	4.0345+01	8.3410+00	2.5182-02	8.3410+00	2.5182-02	5.2324-03	2.6633-01	4.7103+05	6.5092-03	7.1680+00
344	573.12	3.2179+01	6.5479+00	1.9505-02	6.5479+00	1.9505-02	4.0528-03	2.0629-01	3.6484+05	5.0372-03	8.1130+00
347	535.96	2.6430+01	5.1229+00	1.4863-02	5.1229+00	1.4863-02	3.0882-03	1.5719-01	2.7800+05	3.8314-03	7.1680+00
349	527.98	1.3700+01	2.7058+00	7.8066-03	2.7058+00	7.8066-03	1.6221-03	8.2563-02	1.4602+05	2.0117-03	8.1130+00
350	489.51	2.6992+00	4.7961-01	1.3477-03	4.7961-01	1.3477-03	2.8002-04	1.4253-02	2.5208+04	3.4666-04	8.6180+00
352	505.89	4.1439+00	7.6934-01	2.1860-03	7.6934-01	2.1860-03	4.5422-04	2.3120-02	4.0889+04	5.6273-04	7.1680+00
354	506.32	4.7122+00	9.1574-01	2.6028-03	9.1574-01	2.6028-03	5.4081-04	2.7527-02	4.8684+04	6.7002-04	8.1130+00
357	518.09	1.9602+01	3.6574+00	1.0480-02	3.6574+00	1.0480-02	2.1775-03	1.1084-01	1.9602+05	2.6993-03	7.1680+00
359	510.12	1.2273+01	2.2347+00	6.3683-03	2.2347+00	6.3683-03	1.3232-03	6.7351-02	1.1912+05	1.6396-03	8.1130+00
401	579.89	1.6638+02	1.4920+01	4.4661-02	1.4920+01	4.4661-02	9.2797-03	4.7234-01	8.3537+05	1.1537-02	4.5500-01
403	579.76	1.7123+02	1.5172+01	4.5410-02	1.5172+01	4.5410-02	9.4355-03	4.8026-01	8.4939+05	1.1731-02	6.8600-01
404	4157.14	1.0390-02	-5.6975-03	-4.2753-06	-5.6975-03	-4.2753-06	-8.8833-07	-4.5216-05	-7.9969+01	-9.4484-07	8.0100-01
405	583.25	1.6693+02	1.4821+01	4.4474-02	1.4821+01	4.4474-02	9.2409-03	4.7036-01	8.3187+05	1.1491-02	1.0510+00
406	546.58	1.3994+02	1.2231+01	3.5751-02	1.2231+01	3.5751-02	7.4285-03	3.7811-01	6.6872+05	9.2209-03	1.1670+00
407	542.09	1.2811+02	1.1366+01	3.3118-02	1.1366+01	3.3118-02	6.8813-03	3.5026-01	6.1946+05	8.5399-03	1.2830+00
408	525.29	9.6121+01	8.1444+00	2.3454-02	8.1444+00	2.3454-02	4.8732-03	2.4805-01	4.3869+05	6.0430-03	5.1300-01
409	470.39	1.8490+01	1.5396+00	4.2711-03	1.5396+00	4.2711-03	8.8745-04	4.5171-02	7.9890+04	1.0977-03	5.7000-01
410	529.30	9.1245+01	7.6092+00	2.1973-02	7.6092+00	2.1973-02	4.5657-03	2.3239-01	4.1101+05	5.6627-03	6.2800-01
411	475.49	2.3779+01	1.9868+00	5.5304-03	1.9868+00	5.5304-03	1.1491-03	5.8490-02	1.0344+05	1.4216-03	6.8600-01
412	529.06	1.0063+02	8.6500+00	2.4975-02	8.6500+00	2.4975-02	5.1893-03	2.6414-01	4.6715+05	6.4361-03	7.4400-01
413	478.35	3.1905+01	2.6867+00	7.4928-03	2.6867+00	7.4928-03	1.5569-03	7.9245-02	1.4015+05	1.9263-03	8.0100-01
414	551.57	1.3510+02	1.1773+01	3.4535-02	1.1773+01	3.4535-02	7.1757-03	3.6524-01	6.4596+05	8.9093-03	8.5900-01
415	479.57	4.0476+01	3.3910+00	9.4650-03	3.3910+00	9.4650-03	1.9666-03	1.0010-01	1.7704+05	2.4335-03	9.1700-01
416	532.44	9.0948+01	7.3177+00	2.1178-02	7.3177+00	2.1178-02	4.4004-03	2.2398-01	3.9613+05	5.4585-03	5.7000-01
417	554.26	1.3347+02	1.1650+01	3.4238-02	1.1650+01	3.4238-02	7.1140-03	3.6210-01	6.4041+05	8.8338-03	1.0520+00

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9.06995+01 3.40259-02 2.46861+00 4.75085+03 3.14750-05 7.34666-08 1.70758-01 7.72000+00 7.66645-06 7.39797-02

1	494.20	4.4549+01	7.6707+00	2.1617-02	7.6707+00	2.1617-02	4.4931-03	2.2862-01	4.0411+05	5.5596-03	4.1100-01
2	530.69	9.3320+01	1.6443+01	4.7517-02	1.6443+01	4.7517-02	9.8766-03	5.0254-01	8.8829+05	1.2242-02	7.1100-01
3	540.21	1.0817+02	1.9172+01	5.5772-02	1.9172+01	5.5772-02	1.1592-02	5.8985-01	1.0426+06	1.4375-02	1.3070+00
4	525.54	7.1800+01	1.2611+01	3.6313-02	1.2611+01	3.6313-02	7.5478-03	3.8405-01	6.7883+05	9.3529-03	1.6410+00
5	524.56	4.3360+01	7.9673+00	2.2926-02	7.9673+00	2.2926-02	4.7652-03	2.4246-01	4.2857+05	5.9046-03	1.7720+00
6	554.35	2.1952+01	3.8668+00	1.1362-02	3.8668+00	1.1362-02	2.3615-03	1.2016-01	2.1239+05	2.9303-03	2.4660+00
7	501.75	1.4272+01	2.4260+00	6.8721-03	2.4260+00	6.8721-03	1.4284-03	7.2679-02	1.2847+05	1.7680-03	3.0090+00
8	484.88	1.9530+01	3.2545+00	9.1138-03	3.2545+00	9.1138-03	1.8943-03	9.6388-02	1.7037+05	2.3430-03	3.3930+00
9	472.55	1.9064+01	3.1511+00	8.7518-03	3.1511+00	8.7518-03	1.8191-03	9.2560-02	1.6361+05	2.2486-03	3.7770+00
10	489.01	1.8084+01	3.0307+00	8.5109-03	3.0307+00	8.5109-03	1.7690-03	9.0012-02	1.5910+05	2.1884-03	5.3230+00
14	511.42	8.4107+01	1.4643+01	4.1752-02	1.4643+01	4.1752-02	8.6784-03	4.4158-01	7.8052+05	1.0747-02	1.0880+00
15	514.24	8.7132+01	1.5196+01	4.3415-02	1.5196+01	4.3415-02	9.0240-03	4.5916-01	8.1161+05	1.1176-02	1.3070+00
16	532.49	8.9029+01	1.5704+01	4.5439-02	1.5704+01	4.5439-02	9.4446-03	4.8057-01	8.4944+05	1.1707-02	1.6410+00
19	525.03	7.1020+01	1.1340+01	3.2641-02	1.1340+01	3.2641-02	6.7844-03	3.4521-01	6.1018+05	8.4069-03	4.1100-01
20	494.52	5.7584+01	9.4533+00	2.6646-02	9.4533+00	2.6646-02	5.5385-03	2.8181-01	4.9813+05	6.8533-03	7.1100-01
21	491.97	6.8229+01	1.1354+01	3.1948-02	1.1354+01	3.1948-02	6.6405-03	3.3788-01	5.9724+05	8.2158-03	1.0880+00
22	484.07	6.1837+01	1.0299+01	2.8826-02	1.0299+01	2.8826-02	5.9916-03	3.0487-01	5.3888+05	7.4103-03	1.3070+00
23	954.85	2.0467-01	4.2389-02	1.7478-04	4.2389-02	1.7478-04	3.6329-05	1.8485-03	3.2673+03	4.6122-05	1.6410+00
24	490.47	5.1590+00	8.6283-01	2.4254-03	8.6283-01	2.4254-03	5.0414-04	2.5652-02	4.5341+04	6.2369-04	3.0090+00
25	475.99	6.7875+00	1.0975+00	3.0550-03	1.0975+00	3.0550-03	6.3500-04	3.2310-02	5.7111+04	7.8506-04	3.3930+00
26	469.56	7.7096+00	1.2489+00	3.4616-03	1.2489+00	3.4616-03	7.1950-04	3.6610-02	6.4711+04	8.8927-04	3.7770+00
27	548.85	1.3506+02	2.2938+01	6.7135-02	2.2938+01	6.7135-02	1.3954-02	7.1002-01	1.2550+06	1.7311-02	7.1100-01
28	495.04	7.4796+01	1.2471+01	3.5166-02	1.2471+01	3.5166-02	7.3093-03	3.7191-01	6.5739+05	9.0445-03	1.0880+00
29	487.99	6.2399+01	1.0513+01	2.9503-02	1.0513+01	2.9503-02	6.1323-03	3.1203-01	5.5153+05	7.5857-03	1.3070+00
30	498.84	5.3506+01	9.1054+00	2.5741-02	9.1054+00	2.5741-02	5.3504-03	2.7224-01	4.8121+05	6.6218-03	1.6410+00
31	507.93	3.7599+01	6.5313+00	1.8579-02	6.5313+00	1.8579-02	3.8618-03	1.9650-01	3.4732+05	4.7814-03	1.7720+00
32	552.04	2.2088+01	3.8853+00	1.1397-02	3.8853+00	1.1397-02	2.3690-03	1.2054-01	2.1306+05	2.9392-03	2.4660+00
33	498.36	1.5219+01	2.5967+00	7.3387-03	2.5967+00	7.3387-03	1.5254-03	7.7614-02	1.3719+05	1.8878-03	3.0090+00
34	470.59	9.1023+00	1.5026+00	4.1676-03	1.5026+00	4.1676-03	8.6626-04	4.4077-02	7.7910+04	1.0707-03	3.3930+00
35	460.44	6.5231+00	1.0245+00	2.8226-03	1.0245+00	2.8226-03	5.8669-04	2.9852-02	5.2766+04	7.2482-04	3.7770+00
36	482.82	5.4279+01	9.0058+00	2.5185-02	9.0058+00	2.5185-02	5.2348-03	2.6636-01	4.7081+05	6.4739-03	1.3070+00
37	559.37	2.8563+01	5.1061+00	1.5057-02	5.1061+00	1.5057-02	3.1296-03	1.5924-01	2.8147+05	3.8844-03	2.4660+00
38	491.78	7.8369+00	1.3118+00	3.6908-03	1.3118+00	3.6908-03	7.6715-04	3.9034-02	6.8996+04	9.4913-04	3.0090+00
39	461.58	3.4961+00	5.7019-01	1.5721-03	5.7019-01	1.5721-03	3.2677-04	1.6627-02	2.9389+04	4.0372-04	3.3930+00
40	454.31	3.4104+00	5.4846-01	1.5049-03	5.4846-01	1.5049-03	3.1280-04	1.5916-02	2.8133+04	3.8635-04	3.7770+00
41	459.81	5.4504+00	8.6104-01	2.3712-03	8.6104-01	2.3712-03	4.9287-04	2.5078-02	4.4328+04	6.0890-04	4.1620+00
43	473.51	3.6270+00	6.0889-01	1.6922-03	6.0889-01	1.6922-03	3.5173-04	1.7897-02	3.1634+04	4.3480-04	5.3230+00
47	493.65	4.8794+01	8.0794+00	2.2760-02	8.0794+00	2.2760-02	4.7308-03	2.4071-01	4.2548+05	5.8536-03	7.1100-01
48	508.84	7.8530+01	1.3370+01	3.8056-02	1.3370+01	3.8056-02	7.9101-03	4.0249-01	7.1142+05	9.7943-03	1.0880+00
49	474.59	4.7322+01	7.9264+00	2.2044-02	7.9264+00	2.2044-02	4.5820-03	2.3314-01	4.1210+05	5.6645-03	1.3070+00
50	488.33	3.0939+01	5.2604+00	1.4765-02	5.2604+00	1.4765-02	3.0691-03	1.5616-01	2.7603+05	3.7965-03	1.6410+00
51	501.78	2.1288+01	3.6834+00	1.0434-02	3.6834+00	1.0434-02	2.1687-03	1.1035-01	1.9505+05	2.6844-03	1.7720+00
52	525.20	1.0990+01	1.9299+00	5.5557-03	1.9299+00	5.5557-03	1.1548-03	5.8757-02	1.0386+05	1.4309-03	2.4660+00
53	479.14	4.6982+00	7.7996-01	2.1758-03	7.7996-01	2.1758-03	4.5225-04	2.3011-02	4.0675+04	5.5920-04	3.0090+00
54	459.64	7.6021+00	1.2307+00	3.3890-03	1.2307+00	3.3890-03	7.0441-04	3.5842-02	6.3354+04	8.7023-04	3.3930+00
55	456.01	8.5844+00	1.3611+00	3.7389-03	1.3611+00	3.7389-03	7.7714-04	3.9543-02	6.9895+04	9.5993-04	3.7770+00
56	465.02	1.0395+01	1.6120+00	4.4546-03	1.6120+00	4.4546-03	9.2591-04	4.7113-02	8.3275+04	1.1442-03	4.1100-01
57	483.74	3.5363+01	5.7824+00	1.6181-02	5.7824+00	1.6181-02	3.3632-03	1.7113-01	3.0248+05	4.1595-03	7.1100-01
58	472.57	3.8135+01	6.3412+00	1.7612-02	6.3412+00	1.7612-02	3.6607-03	1.8626-01	3.2923+05	4.5250-03	1.0880+00
59	469.61	3.8251+01	6.3670+00	1.7649-02	6.3670+00	1.7649-02	3.6684-03	1.8665-01	3.2993+05	4.5339-03	1.3070+00
60	491.59	3.5849+01	6.0722+00	1.7082-02	6.0722+00	1.7082-02	3.5505-03	1.8066-01	3.1933+05	4.3927-03	1.6410+00
61	472.54	6.0307+00	9.9360-01	2.7601-03	9.9380-01	2.7601-03	5.7370-04	2.9191-02	5.1598+04	7.0917-04	3.0090+00
62	453.41	3.6333+00	5.8572-01	1.6062-03	5.8572-01	1.6062-03	3.3386-04	1.6988-02	3.0027+04	4.1233-04	3.3930+00
63	452.67	2.2951+00	3.6306-01	9.9513-04	3.6306-01	9.9513-04	2.0684-04	1.0525-02	1.8603+04	2.5545-04	3.7770+00
64	455.20	1.6299+01	2.7347+00	7.5082-03	2.7347+00	7.5082-03	1.5606-03	7.9407-02	1.4036+05	1.9276-03	1.0880+00
65	456.10	2.1765+01	3.6540+00	1.0038-02	3.6540+00	1.0038-02	2.[illegible]55-03	1.0617-01	1.8766+05	2.5772-03	1.3070+00
66	481.35	2.7854+01	4.7559+00	1.3287-02	4.7559+00	1.3287-02	2.7[illegible]7-03	1.4052-01	2.4839+05	3.4152-03	1.6410+00
69	463.86	1.0324+01	1.7423+00	4.8112-03	1.7423+00	4.8112-03	1.0000-03	5.0883-02	8.9940+04	1.2357-03	4.1100-01
70	451.10	2.8982+00	4.8492-01	1.3278-03	4.8492-01	1.3278-03	2.7598-04	1.4043-02	2.4821+04	3.4081-04	7.1100-01
71	450.82	7.3636+00	1.2282+00	3.3624-03	1.2282+00	3.3624-03	6.9889-04	3.5561-02	6.2857+04	8.6306-04	1.3070+00
72	468.08	1.4823+01	2.5088+00	6.9470-03	2.5088+00	6.9470-03	1.4440-03	7.3472-02	1.2987+05	1.7846-03	1.6410+00
73	464.87	5.2343+00	8.5040-01	2.3498-03	8.5040-01	2.3498-03	4.8841-04	2.4852-02	4.3927+04	6.0353-04	3.7770+00
74	483.03	4.3153+00	7.2039-01	2.0149-03	7.2039-01	2.0149-03	4.1880-04	2.1309-02	3.7666+04	5.1794-04	5.3230+00
77	493.72	2.0812+01	3.5510+00	1.0004-02	3.5510+00	1.0004-02	2.0793-03	1.0580-01	1.8701+05	2.5728-03	3.0090+00
78	469.14	1.4179+01	2.3523+00	6.5183-03	2.3523+00	6.5183-03	1.3548-03	6.8938-02	1.2185+05	1.6745-03	3.3930+00
79	465.26	1.2705+01	2.0647+00	5.7066-03	2.0647+00	5.7066-03	1.1861-03	6.0353-02	1.0668+05	1.4657-03	3.7770+00
80	558.39	1.9581+01	3.5190+00	1.0369-02	3.5190+00	1.0369-02	2.1553-03	1.0967-01	1.9385+05	2.6750-03	2.4660+00
81	505.16	1.9142+01	3.2901+00	9.3414-03	3.2901+00	9.3414-03	1.9417-03	9.8796-02	1.7463+05	2.4037-03	3.0090+00
82	480.16	1.7920+01	3.0038+00	8.3851-03	3.0038+00	8.3851-03	1.7429-03	8.8682-02	1.5675+05	2.1552-03	3.3930+00
83	470.30	1.7091+01	2.8207+00	7.8223-03	2.8207+00	7.8223-03	1.6259-03	8.2729-02	1.4623+05	2.0096-03	3.7770+00
337	612.57	4.7785+01	9.6866+00	2.9691-02	9.6866+00	2.9691-02	6.1713-03	3.1401-01	5.5504+05	7.6796-03	1.6180+00
339	597.95	4.2532+01	8.7337+00	2.6482-02	8.7337+00	2.6482-02	5.5044-03	2.8008-01	4.9506+05	6.8448-03	8.1130+00
340	520.86	1.5500+01	2.9764+00	8.5425-03	2.9764+00	8.5425-03	1.7756-03	9.0346-02	1.5969+05	2.1998-03	8.6180+00
342	601.71	4.0159+01	8.3502+00	2.5390-02	8.3502+00	2.5390-02	5.2773-03	2.6852-01	4.7463+05	6.5636-03	7.1680+00
344	581.12	3.1730+01	6.4866+00	1.9429-02	6.4866+00	1.9429-02	4.0383-03	2.0548-01	3.6320+05	5.0175-03	8.1130+00
347	542.59	2.6457+01	5.1490+00	1.5004-02	5.1490+00	1.5004-02	3.1186-03	1.5868-01	2.8048+05	3.8676-03	7.1680+00
349	531.41	1.3751+01	2.7217+00	7.8689-03	2.7217+00	7.8689-03	1.6356-03	8.3222-02	1.4710+05	2.0273-03	8.1130+00
350	490.17	2.7174+00	4.8305-01	1.3576-03	4.8305-01	1.3576-03	2.8218-04	1.4358-02	2.5379+04	3.4909-04	8.6180+00
352	506.90	4.0836+00	7.5864-01	2.1565-03	7.5864-01	2.1565-03	4.4824-04	2.2808-02	4.0314+04	5.5496-04	7.1680+00
354	507.46	4.5917+00	8.9296-01	2.5393-03	8.9296-01	2.5393-03	5.2781-04	2.6856-02	4.7470+04	6.5349-04	8.1130+00
357	522.99	1.9439+01	3.6382+00	1.0457-02	3.6382+00	1.0457-02	2.1736-03	1.1060-01	1.9549+05	2.6931-03	7.1680+00
359	513.26	1.2462+01	2.2737+00	6.4915-03	2.2737+00	6.4915-03	1.3493-03	6.8654-02	1.2135+05	1.6710-03	8.1130+00
401	619.75	1.5280+02	1.4015+01	4.3187-02	1.4015+01	4.3187-02	8.9766-03	4.5675-01	8.0734+05	1.1175-02	4.5500-01
403	621.03	1.5798+02	1.4329+01	4.4198-02	1.4329+01	4.4198-02	9.1867-03	4.6744-01	8.2624+05	1.1437-02	6.8600-01
404	4157.19	7.3000-07	-4.0033-07	-3.0038-10	-4.0033-07	-3.0038-10	-6.2434-11	-3.1768-09	-5.6153-03	-6.6378-11	8.0100-01
405	622.46	1.5008+02	1.3623+01	4.2064-02	1.3623+01	4.2064-02	8.7432-03	4.4487-01	7.8635+05	1.0885-02	1.0510+00
406	580.76	1.3201+02	1.1773+01	3.5254-02	1.1773+01	3.5254-02	7.3278-03	3.7285-01	6.5905+05	9.1044-03	1.1670+00
407	572.91	1.1980+02	1.0826+01	3.2233-02	1.0826+01	3.2233-02	6.6998-03	3.4090-01	6.0257+05	8.3210-03	1.2830+00
408	549.03	9.5931+01	8.2470+00	2.4141-02	8.2470+00	2.4141-02	5.0177-03	2.5531-01	4.5128+05	6.2247-03	5.1300-01
409	475.22	1.9835+01	1.6569+00	4.6101-03	1.6569+00	4.6101-03	9.5823-04	4.8757-02	8.6182+04	1.1846-03	5.7000-01
410	552.25	9.1833+01	7.7662+00	2.2785-02	7.7662+00	2.2785-02	4.7359-03	2.4098-01	4.2594+05	5.8761-03	6.2800-01
411	481.62	2.5245+01	2.1179+00	5.9179-03	2.1179+00	5.9179-03	1.2301-03	6.2588-02	1.1063+05	1.5211-03	6.8600-01
412	555.28	1.0477+02	9.1503+00	2.6903-02	9.1503+00	2.6903-02	5.5920-03	2.8453-01	5.0293+05	6.9392-03	7.4400-01
413	486.57	3.3672+01	2.8508+00	7.9927-03	2.8508+00	7.9927-03	1.6613-03	8.4531-02	1.4942+05	2.0549-03	8.0100-01
414	586.03	1.3648+02	1.2137+01	3.6484-02	1.2137+01	3.6484-02	7.5832-03	3.8585-01	6.8203+05	9.4242-03	8.5900-01
415	489.99	4.2107+01	3.5518+00	9.9808-03	3.5518+00	9.9808-03	2.0745-03	1.0556-01	1.8658+05	2.5665-03	9.1700-01
416	555.14	8.9806+01	7.3261+00	2.1538-02	7.3261+00	2.1538-02	4.4767-03	2.2779-01	4.0263+05	5.5552-03	5.7000-01
417	587.60	1.3110+02	1.1669+01	3.5116-02	1.1669+01	3.5116-02	7.2991-03	3.7139-01	6.5647+05	9.0718-03	1.0520+00

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44 1 -3.05 -15.05 .00 -.00 402 11 2.40 10.18 1660.8 1873.4

9.06719+01 3.40277-02 2.46875+00 4.75012+03 3.14864-05 7.34442-08 1.70845-01 7.72000+00 7.66383-06 7.39825-02

1	505.11	4.4501+01	7.7163+00	2.1886-02	7.7163+00	2.1886-02	4.5482-03	2.3147-01	4.0929+05	5.6394-03	4.1100-01
2	553.95	9.2189+01	1.6475+01	4.8346-02	1.6475+01	4.8346-02	1.0047-02	5.1131-01	9.0410+05	1.2487-02	7.1100-01
3	567.23	1.0659+02	1.9200+01	5.6877-02	1.9200+01	5.6877-02	1.1820-02	6.0153-01	1.0636+06	1.4699-02	1.3070+00
4	543.36	7.0961+01	1.2601+01	3.6702-02	1.2601+01	3.6702-02	7.6270-03	3.8816-01	6.8634+05	9.4742-03	1.6410+00
5	535.15	4.2346+01	7.8321+00	2.2681-02	7.8321+00	2.2681-02	4.7133-03	2.3987-01	4.2414+05	5.8525-03	1.7720+00
6	560.00	2.3111+01	4.0846+00	1.2038-02	4.0846+00	1.2038-02	2.5016-03	1.2731-01	2.2511+05	3.1100-03	2.4660+00
7	505.35	1.4335+01	2.4424+00	6.9287-03	2.4424+00	6.9287-03	1.4399-03	7.3279-02	1.2957+05	1.7853-03	3.0090+00
8	489.71	1.9228+01	3.2142+00	9.0218-03	3.2142+00	9.0218-03	1.8748-03	9.5416-02	1.6871+05	2.3229-03	3.3930+00
9	477.32	1.9024+01	3.1545+00	8.7807-03	3.1545+00	8.7807-03	1.8247-03	9.2865-02	1.6420+05	2.2595-03	3.7770+00
10	493.52	1.7974+01	3.0211+00	8.5018-03	3.0211+00	8.5018-03	1.7668-03	8.9915-02	1.5899+05	2.1894-03	5.3230+00
14	532.10	8.1721+01	1.4412+01	4.1647-02	1.4412+01	4.1647-02	8.6546-03	4.4046-01	7.7881+05	1.0745-02	1.0880+00
15	535.76	8.5643+01	1.5138+01	4.3856-02	1.5138+01	4.3856-02	9.1137-03	4.6382-01	8.2012+05	1.1317-02	1.3070+00
16	554.51	8.7516+01	1.5646+01	4.5929-02	1.5646+01	4.5929-02	9.5446-03	4.8575-01	8.5890+05	1.1863-02	1.6410+00
19	542.43	6.8555+01	1.1064+01	3.2204-02	1.1064+01	3.2204-02	6.6924-03	3.4059-01	6.0223+05	8.3128-03	4.1100-01
20	509.13	5.8707+01	9.7282+00	2.7669-02	9.7282+00	2.7669-02	5.7499-03	2.9263-01	5.1742+05	7.1307-03	7.1100-01
21	508.74	6.6430+01	1.1174+01	3.1773-02	1.1174+01	3.1773-02	6.6027-03	3.3603-01	5.9417+05	8.1882-03	1.0880+00
22	499.52	6.1451+01	1.0338+01	2.9211-02	1.0338+01	2.9211-02	6.0703-03	3.0893-01	5.4625+05	7.5246-03	1.3070+00
23	954.88	1.1013-01	2.2809-02	9.3916-05	2.2809-02	9.3916-05	1.9517-05	9.9327-04	1.7563+03	2.4832-05	1.6410+00
24	491.75	5.2068+00	8.7155-01	2.4497-03	8.7155-01	2.4497-03	5.0907-04	2.5908-02	4.5810+04	6.3081-04	3.0090+00
25	477.74	6.8712+00	1.1123+00	3.0969-03	1.1123+00	3.0969-03	6.4357-04	3.2753-02	5.7914+04	7.9695-04	3.3930+00
26	471.42	7.6358+00	1.2385+00	3.4338-03	1.2385+00	3.4338-03	7.1357-04	3.6316-02	6.4213+04	8.8337-04	3.7770+00
27	582.19	1.3066+02	2.2631+01	6.7768-02	2.2631+01	6.7768-02	1.4083-02	7.1672-01	1.2673+06	1.7527-02	7.1100-01
28	513.55	7.3549+01	1.2409+01	3.5401-02	1.2409+01	3.5401-02	7.3568-03	3.7441-01	6.6202+05	9.1255-03	1.0880+00
29	503.50	6.1491+01	1.0464+01	2.9649-02	1.0464+01	2.9649-02	6.1613-03	3.1357-01	5.5444+05	7.6389-03	1.3070+00
30	512.27	5.3558+01	9.1927+00	2.6202-02	9.1927+00	2.6202-02	5.4451-03	2.7712-01	4.8999+05	6.7537-03	1.6410+00
31	517.32	3.7357+01	6.5278+00	1.8671-02	6.5278+00	1.8671-02	3.8801-03	1.9747-01	3.4916+05	4.8138-03	1.7720+00
32	557.63	2.2483+01	3.9679+00	1.1674-02	3.9679+00	1.1674-02	2.4260-03	1.2347-01	2.1831+05	3.0157-03	2.4660+00
33	502.14	1.5064+01	2.5767+00	7.2936-03	2.5767+00	7.2936-03	1.5157-03	7.7138-02	1.3639+05	1.8791-03	3.0090+00
34	472.83	8.9221+00	1.4750+00	4.0934-03	1.4750+00	4.0934-03	8.5066-04	4.3292-02	7.6549+04	1.0531-03	3.3930+00
35	462.09	6.6369+00	1.0435+00	2.8755-03	1.0435+00	2.8755-03	5.9755-04	3.0411-02	5.3772+04	7.3942-04	3.7770+00
36	496.30	5.3593+01	8.9703+00	2.5291-02	8.9703+00	2.5291-02	5.2557-03	2.6748-01	4.7295+05	6.5139-03	1.3070+00
37	566.57	2.8838+01	5.1775+00	1.5330-02	5.1775+00	1.5330-02	3.1858-03	1.6213-01	2.8668+05	3.9619-03	2.4660+00
38	493.75	7.9138+00	1.3264+00	3.7332-03	1.3264+00	3.7332-03	7.7579-04	3.9482-02	6.9812+04	9.6140-04	3.0090+00
39	462.44	3.5314+00	5.7629-01	1.5883-03	5.7629-01	1.5883-03	3.3007-04	1.6798-02	2.9702+04	4.0844-04	3.3930+00
40	455.14	3.4213+00	5.5053-01	1.5100-03	5.5053-01	1.5100-03	3.1380-04	1.5970-02	2.8238+04	3.8817-04	3.7770+00
41	461.22	5.5506+00	8.7771-01	2.4171-03	8.7771-01	2.4171-03	5.0230-04	2.5564-02	4.5201+04	6.2153-04	4.1620+00
43	474.39	3.5984+00	6.0445-01	1.6792-03	6.0445-01	1.6792-03	3.4896-04	1.7760-02	3.1402+04	4.3206-04	5.3230+00
47	505.64	4.7202+01	7.8761+00	2.2348-02	7.8761+00	2.2348-02	4.6441-03	2.3635-01	4.1792+05	5.7585-03	7.1100-01
48	528.35	7.7370+01	1.3335+01	3.8433-02	1.3335+01	3.8433-02	7.9867-03	4.0647-01	7.1871+05	9.9138-03	1.0880+00
49	486.40	4.6975+01	7.9297+00	2.2208-02	7.9297+00	2.2208-02	4.6150-03	2.3487-01	4.1530+05	5.7172-03	1.3070+00
50	496.05	3.0722+01	5.2497+00	1.4798-02	5.2497+00	1.4798-02	3.0753-03	1.5651-01	2.7674+05	3.8114-03	1.6410+00
51	507.07	2.1066+01	3.6573+00	1.0387-02	3.6573+00	1.0387-02	2.1586-03	1.0986-01	1.9425+05	2.6768-03	1.7720+00
52	528.00	1.1198+01	1.9698+00	5.6761-03	1.9698+00	5.6761-03	1.1795-03	6.0031-02	1.0615+05	1.4641-03	2.4660+00
53	480.34	4.9075+00	8.1536-01	2.2742-03	8.1536-01	2.2742-03	4.7260-04	2.4052-02	4.2529+04	5.8531-04	3.0090+00
54	461.54	7.6442+00	1.2391+00	3.4132-03	1.2391+00	3.4132-03	7.0929-04	3.6098-02	6.3828+04	8.7767-04	3.3930+00
55	458.19	8.5719+00	1.3611+00	3.7409-03	1.3611+00	3.7409-03	7.7739-04	3.9564-02	6.9956+04	9.6178-04	3.7770+00
56	467.74	1.0568+01	1.6418+00	4.5409-03	1.6418+00	4.5409-03	9.4365-04	4.8025-02	8.4917+04	1.1680-03	4.1100-01
57	492.50	3.4886+01	5.7370+00	1.6133-02	5.7370+00	1.6133-02	3.3527-03	1.7063-01	3.0170+05	4.1546-03	7.1100-01
58	482.10	3.8061+01	6.3689+00	1.7785-02	6.3689+00	1.7785-02	3.6960-03	1.8810-01	3.3259+05	4.5777-03	1.0880+00
59	479.19	3.8161+01	6.3924+00	1.7816-02	6.3924+00	1.7816-02	3.7023-03	1.8842-01	3.3317+05	4.5850-03	1.3070+00
60	500.53	3.5457+01	6.0404+00	1.7080-02	6.0404+00	1.7080-02	3.5493-03	1.8063-01	3.1940+05	4.3999-03	1.6410+00
61	474.05	6.1055+00	1.0071+00	2.7973-03	1.0071+00	2.7973-03	5.8131-04	2.9585-02	5.2311+04	7.1973-04	3.0090+00
62	454.36	3.7735+00	6.0873-01	1.6688-03	6.0873-01	1.6688-03	3.4679-04	1.7649-02	3.1207+04	4.2897-04	3.3930+00
63	453.32	2.5408+00	4.0211-01	1.1016-03	4.0211-01	1.1016-03	2.2892-04	1.1651-02	2.0600+04	2.8316-04	3.7770+00
64	459.31	1.6619+01	2.7963+00	7.6909-03	2.7963+00	7.6909-03	1.5982-03	8.1339-02	1.4382+05	1.9774-03	1.0880+00
65	461.54	2.2030+01	3.7123+00	1.0225-02	3.7123+00	1.0225-02	2.1249-03	1.0814-01	1.9122+05	2.6294-03	1.3070+00
66	488.30	2.7673+01	4.7467+00	1.3311-02	4.7467+00	1.3311-02	2.7661-03	1.4077-01	2.4892+05	3.4270-03	1.6410+00
69	466.51	1.0739+01	1.8156+00	5.0176-03	1.8156+00	5.0176-03	1.0427-03	5.3067-02	9.3832+04	1.2905-03	4.1100-01
70	451.78	2.7278+00	4.5662-01	1.2497-03	4.5662-01	1.2497-03	2.5969-04	1.3217-02	2.3369+04	3.2120-04	7.1100-01
71	452.58	7.3397+00	1.2257+00	3.3563-03	1.2257+00	3.3563-03	6.9747-04	3.5496-02	6.2764+04	8.6269-04	1.3070+00
72	471.76	1.4521+01	2.4637+00	6.8326-03	2.4637+00	6.8326-03	1.4199-03	7.2262-02	1.2777+05	1.7578-03	1.6410+00
73	466.17	5.2078+00	8.4684-01	2.3398-03	8.4684-01	2.3398-03	4.8623-04	2.4746-02	4.3755+04	6.0178-04	3.7770+00
74	484.10	4.3086+00	7.1977-01	2.0127-03	7.1977-01	2.0127-03	4.1825-04	2.1286-02	3.7638+04	5.1809-04	5.3230+00
77	498.88	2.0606+01	3.5276+00	9.9632-03	3.5276+00	9.9632-03	2.0705-03	1.0537-01	1.8632+05	2.5664-03	3.0090+00
78	472.70	1.4414+01	2.3970+00	6.6517-03	2.3970+00	6.6517-03	1.3823-03	7.0349-02	1.2439+05	1.7113-03	3.3930+00
79	468.44	1.2751+01	2.0766+00	5.7462-03	2.0766+00	5.7462-03	1.1941-03	6.0772-02	1.0746+05	1.4781-03	3.7770+00
80	563.42	2.0660+01	3.7240+00	1.1002-02	3.7240+00	1.1002-02	2.2863-03	1.1636-01	2.0574+05	2.8428-03	2.4660+00
81	509.89	1.8824+01	3.2452+00	9.2349-03	3.2452+00	9.2349-03	1.9191-03	9.7669-02	1.7270+05	2.3801-03	3.0090+00
82	484.65	1.7974+01	3.0216+00	8.4525-03	3.0216+00	8.4525-03	1.7565-03	8.9394-02	1.5806+05	2.1758-03	3.3930+00
83	474.59	1.7158+01	2.8400+00	7.8908-03	2.8400+00	7.8908-03	1.6398-03	8.3454-02	1.4756+05	2.0303-03	3.7770+00
337	624.52	4.7417+01	9.6757+00	2.9891-02	9.6757+00	2.9891-02	6.2117-03	3.1613-01	5.5898+05	7.7476-03	7.1680+00
339	608.57	4.2477+01	8.7747+00	2.6788-02	8.7747+00	2.6788-02	5.5668-03	2.8331-01	5.0094+05	6.9375-03	8.1130+00
340	524.75	1.5552+01	2.9936+00	8.6066-03	2.9936+00	8.6066-03	1.7886-03	9.1025-02	1.6095+05	2.2197-03	8.6180+00
342	611.75	3.9999+01	8.3640+00	2.5594-02	8.3640+00	2.5594-02	5.3187-03	2.7069-01	4.7862+05	6.6294-03	7.1680+00
344	589.02	3.1400+01	6.4485+00	1.9406-02	6.4485+00	1.9406-02	4.0327-03	2.0524-01	3.6290+05	5.0207-03	8.1130+00
347	549.21	2.6418+01	5.1621+00	1.5097-02	5.1621+00	1.5097-02	3.1374-03	1.5967-01	2.8233+05	3.8984-03	7.1680+00
349	534.87	1.3770+01	2.7314+00	7.9082-03	2.7314+00	7.9082-03	1.6434-03	8.3638-02	1.4789+05	2.0406-03	8.1130+00
350	490.86	2.7896+00	4.9611-01	1.3936-03	4.9611-01	1.3936-03	2.8960-04	1.4739-02	2.6061+04	3.5884-04	8.6180+00
352	507.94	4.1029+00	7.6272-01	2.1675-03	7.6272-01	2.1675-03	4.5044-04	2.2924-02	4.0534+04	5.5858-04	7.1680+00
354	508.61	4.5304+00	8.8169-01	2.5068-03	8.8169-01	2.5068-03	5.2094-04	2.6512-02	4.6878+04	6.4603-04	8.1130+00
357	527.82	1.9203+01	3.6047+00	1.0386-02	3.6047+00	1.0386-02	2.1582-03	1.0984-01	1.9421+05	2.6789-03	7.1680+00
359	516.37	1.2444+01	2.2749+00	6.5025-03	2.2749+00	6.5025-03	1.3513-03	6.8771-02	1.2160+05	1.6764-03	8.1130+00
401	656.19	1.3984+02	1.3081+01	4.1393-02	1.3081+01	4.1393-02	8.6019-03	4.3777-01	7.7406+05	1.0746-02	4.5500-01
403	658.82	1.4422+02	1.3349+01	4.2329-02	1.3349+01	4.2329-02	8.7964-03	4.4767-01	7.9157+05	1.0991-02	6.8600-01
404	4157.12	1.0383-02	-5.6936-03	-4.2710-06	-5.6936-03	-4.2710-06	-8.8755-07	-4.5170-05	-7.9869+01	-9.4413-07	8.0100-01
405	657.92	1.3586+02	1.2569+01	3.9828-02	1.2569+01	3.9828-02	8.2767-03	4.2123-01	7.4481+05	1.0341-02	1.0510+00
406	612.62	1.2379+02	1.1242+01	3.4423-02	1.1242+01	3.4423-02	7.1535-03	3.6406-01	6.4373+05	8.9167-03	1.1670+00
407	601.78	1.1283+02	1.0367+01	3.1489-02	1.0367+01	3.1489-02	6.5438-03	3.3304-01	5.8887+05	8.1523-03	1.2830+00
408	573.35	9.5771+01	8.3529+00	2.4853-02	8.3529+00	2.4853-02	5.1648-03	2.6285-01	4.6477+05	6.4251-03	5.1300-01
409	480.35	2.1003+01	1.7605+00	4.9104-03	1.7605+00	4.9104-03	1.0204-03	5.1933-02	9.1827+04	1.2638-03	5.7000-01
410	575.31	9.1669+01	7.8588+00	2.3416-02	7.8588+00	2.3416-02	4.8662-03	2.4765-01	4.3790+05	6.0542-03	6.2800-01
411	488.10	2.6790+01	2.2570+00	6.3281-03	2.2570+00	6.3281-03	1.3151-03	6.6927-02	1.1834+05	1.6292-03	6.8600-01
412	582.06	1.0632+02	9.4330+00	2.8244-02	9.4330+00	2.8244-02	5.8694-03	2.9871-01	5.2818+05	7.3049-03	7.4400-01
413	495.15	3.5139+01	2.9916+00	8.4281-03	2.9916+00	8.4281-03	1.7515-03	8.9136-02	1.5761+05	2.1706-03	8.0100-01
414	620.25	1.3461+02	1.2204+01	3.7581-02	1.2204+01	3.7581-02	7.8097-03	3.9746-01	7.0278+05	9.7385-03	8.5900-01
415	500.66	4.3244+01	3.6729+00	1.0386-02	3.6729+00	1.0386-02	2.1584-03	1.0985-01	1.9423+05	2.6756-03	9.1700-01
416	577.39	8.8136+01	7.2849+00	2.1739-02	7.2849+00	2.1739-02	4.5176-03	2.2991-01	4.0653+05	5.6211-03	5.7000-01
417	620.00	1.2694+02	1.1507+01	3.5428-02	1.1507+01	3.5428-02	7.3623-03	3.7469-01	6.6252+05	9.1804-03	1.0520+00

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9.06903+01 3.40265-02 2.46865+00 4.75061+03 3.14788-05 7.34591-08 1.70787-01 7.72000+00 7.66558-06 7.39807-02

1	516.32	4.5756+01	7.9905+00	2.2861-02	7.9905+00	2.2861-02	4.7515-03	2.4178-01	4.2742+05	5.8865-03	4.1100-01
2	576.84	9.0849+01	1.6457+01	4.9140-02	1.6457+01	4.9140-02	1.0213-02	5.1971-01	9.1874+05	1.2690-02	7.1100-01
3	593.65	1.0427+02	1.9073+01	5.7650-02	1.9073+01	5.7650-02	1.1982-02	6.0971-01	1.0778+06	1.4899-02	1.3070+00
4	560.99	7.0177+01	1.2594+01	3.7181-02	1.2594+01	3.7181-02	7.7277-03	3.9323-01	6.9515+05	9.5940-03	1.6410+00
5	545.67	4.2007+01	7.8194+00	2.2835-02	7.8194+00	2.2835-02	4.7459-03	2.4150-01	4.2692+05	5.8878-03	1.7720+00
6	565.91	2.4001+01	4.2567+00	1.2611-02	4.2567+00	1.2611-02	2.6210-03	1.3337-01	2.3577+05	3.2548-03	2.4660+00
7	508.92	1.4349+01	2.4503+00	6.9748-03	2.4503+00	6.9748-03	1.4496-03	7.3766-02	1.3040+05	1.7953-03	3.0090+00
8	494.50	1.9039+01	3.1927+00	8.9991-03	3.1927+00	8.9991-03	1.8704-03	9.5175-02	1.6825+05	2.3148-03	3.3930+00
9	482.08	1.8901+01	3.1438+00	8.7874-03	3.1438+00	8.7874-03	1.8264-03	9.2937-02	1.6429+05	2.2591-03	3.7770+00
10	498.01	1.7922+01	3.0211+00	8.5357-03	3.0211+00	8.5357-03	1.7741-03	9.0275-02	1.5959+05	2.1960-03	5.3230+00
14	552.24	7.9742+01	1.4236+01	4.1768-02	1.4236+01	4.1768-02	8.6809-03	4.4174-01	7.8089+05	1.0773-02	1.0880+00
15	557.04	8.4462+01	1.5123+01	4.4519-02	1.5123+01	4.4519-02	9.2527-03	4.7083-01	8.3233+05	1.1485-02	1.3070+00
16	576.24	8.6181+01	1.5606+01	4.6579-02	1.56C6+01	4.6579-02	9.6809-03	4.9262-01	8.7085+05	1.2028-02	1.6410+00
19	559.28	6.6360+01	1.0819+01	3.1900-02	1.0819+01	3.1900-02	6.6301-03	3.3738-01	5.9641+05	8.2307-03	4.1100-01
20	523.95	5.9516+01	9.9545+00	2.8631-02	9.9545+00	2.8631-02	5.9507-03	3.0281-01	5.3530+05	7.3749-03	7.1100-01
21	525.14	6.5007+01	1.1048+01	3.1802-02	1.1048+01	3.1802-02	6.6098-03	3.3634-01	5.9458+05	8.1921-03	1.0880+00
22	514.83	6.0930+01	1.0351+01	2.9584-02	1.0351+01	2.9584-02	6.1487-03	3.1288-01	5.5310+05	7.6169-03	1.3070+00
23	954.92	1.2467-01	2.5821-02	1.0647-04	2.5821-02	1.0647-04	2.2129-05	1.1261-03	1.9907+03	2.8103-05	1.6410+00
24	493.04	5.2572+00	8.8072-01	2.4800-03	8.8072-01	2.4800-03	5.1544-04	2.6229-02	4.6367+04	6.3788-04	3.0090+00
25	479.47	6.8249+00	1.1060+00	3.0861-03	1.1060+00	3.0861-03	6.4142-04	3.2639-02	5.7699+04	7.9328-04	3.3930+00
26	473.33	7.7486+00	1.2583+00	3.4966-03	1.2583+00	3.4966-03	7.2674-04	3.6981-02	6.5374+04	8.9855-04	3.7770+00
27	614.28	1.2560+02	2.2155+01	6.7994-02	2.2155+01	6.7994-02	1.4132-02	7.1911-01	1.2712+06	1.7591-02	7.1100-01
28	531.80	7.2510+01	1.2374+01	3.5785-02	1.2374+01	3.5785-02	7.4376-03	3.7847-01	6.6905+05	9.2209-03	1.0880+00
29	518.75	6.0614+01	1.0415+01	2.9849-02	1.0415+01	2.9849-02	6.2038-03	3.1569-01	5.5807+05	7.6866-03	1.3070+00
30	525.64	5.3343+01	9.2329+00	2.6587-02	9.2329+00	2.6587-02	5.5259-03	2.8119-01	4.9708+05	6.8489-03	1.6410+00
31	526.62	3.7133+01	6.5265+00	1.8806-02	6.5265+00	1.8806-02	3.9087-03	1.9890-01	3.5161+05	4.8448-03	1.7720+00
32	563.30	2.2808+01	4.0390+00	1.1943-02	4.0390+00	1.1943-02	2.4823-03	1.2632-01	2.2330+05	3.0822-03	2.4660+00
33	505.91	1.4868+01	2.5492+00	7.2415-03	2.5492+00	7.2415-03	1.5051-03	7.6587-02	1.3539+05	1.8637-03	3.0090+00
34	475.03	8.8535+00	1.4658+00	4.0778-03	1.4658+00	4.0778-03	8.4752-04	4.3127-02	7.6239+04	1.0480-03	3.3930+00
35	463.76	6.6920+00	1.0534+00	2.9086-03	1.0534+00	2.9086-03	6.0451-04	3.0761-02	5.4379+04	7.4710-04	3.7770+00
36	509.59	5.2924+01	8.9339+00	2.5443-02	8.9339+00	2.5443-02	5.2880-03	2.6908-01	4.7568+05	6.5491-03	1.3070+00
37	573.82	2.9024+01	5.2331+00	1.5592-02	5.2331+00	1.5592-02	3.2406-03	1.6490-01	2.9151+05	4.0257-03	2.4660+00
38	495.74	7.8857+00	1.3234+00	3.7334-03	1.3234+00	3.7334-03	7.7594-04	3.9484-02	6.9800+04	9.6037-04	3.0090+00
39	463.34	3.7662+00	6.1498-01	1.6976-03	6.1498-01	1.6976-03	3.5282-04	1.7954-02	3.1738+04	4.3603-04	3.3930+00
40	456.02	3.5397+00	5.6993-01	1.5656-03	5.6993-01	1.5656-03	3.2539-04	1.6558-02	2.9271+04	4.0200-04	3.7770+00
41	462.59	5.5688+00	8.8140-01	2.4318-03	8.8140-01	2.4318-03	5.0542-04	2.5719-02	4.5465+04	6.2460-04	4.1620+00
43	475.28	3.6566+00	6.1459-01	1.7101-03	6.1459-01	1.7101-03	3.5542-04	1.8086-02	3.1971+04	4.3948-04	5.3230+00
47	517.23	4.5773+01	7.6940+00	2.2027-02	7.6940+00	2.2027-02	4.5781-03	2.3296-01	4.1182+05	5.6719-03	7.1100-01
48	547.55	7.6062+01	1.3264+01	3.8785-02	1.3264+01	3.8785-02	8.0611-03	4.1020-01	7.2514+05	1.0002-02	1.0880+00
49	498.06	4.6505+01	7.9102+00	2.2350-02	7.91C2+00	2.2350-02	4.6453-03	2.3638-01	4.1787+05	5.7500-03	1.3070+00
50	503.68	3.0395+01	5.2194+00	1.4804-02	5.2194+00	1.4804-02	3.0769-03	1.5657-01	2.7678+05	3.8096-03	1.6410+00
51	512.31	2.0808+01	3.6246+00	1.0342-02	3.6246+00	1.0342-02	2.1494-03	1.0937-01	1.9335+05	2.6624-03	1.7720+00
52	530.82	1.1329+01	1.9963+00	5.7695-03	1.9963+00	5.7695-03	1.1991-03	6.1018-02	1.0787+05	1.4866-03	2.4660+00
53	481.59	5.0473+00	8.3927-01	2.3451-03	8.3927-01	2.3451-03	4.8740-04	2.4802-02	4.3844+04	6.0286-04	3.0090+00
54	463.45	7.7444+00	1.2570+00	3.4701-03	1.2570+00	3.4701-03	7.2122-04	3.6700-02	6.4877+04	8.9132-04	3.3930+00
55	460.30	8.5345+00	1.3571+00	3.7386-03	1.3571+00	3.7386-03	7.7702-04	3.9539-02	6.9897+04	9.6014-04	3.7770+00
56	470.40	1.0660+01	1.6591+00	4.6013-03	1.6591+00	4.6013-03	9.5633-04	4.8664-02	8.6027+04	1.1823-03	4.1100-01
57	501.18	3.4542+01	5.7123+00	1.6175-02	5.7123+00	1.6175-02	3.3617-03	1.7106-01	3.0240+05	4.1618-03	7.1100-01
58	491.61	3.7935+01	6.3874+00	1.7969-02	6.3874+00	1.7969-02	3.7347-03	1.9004-01	3.3595+05	4.6214-03	1.0880+00
59	488.72	3.8059+01	6.4153+00	1.8012-02	6.4153+00	1.8012-02	3.7436-03	1.9050-01	3.3676+05	4.6320-03	1.3070+00
60	509.32	3.5025+01	6.0006+00	1.7086-02	6.0006+00	1.7086-02	3.5511-03	1.8070-01	3.1944+05	4.3979-03	1.6410+00
61	475.59	6.2031+00	1.0243+00	2.8506-03	1.0243+00	2.8506-03	5.9247-04	3.0148-02	5.3296+04	7.3261-04	3.0090+00
62	455.31	3.8120+00	6.1533-01	1.6895-03	6.1533-01	1.6895-03	3.5115-04	1.7869-02	3.1588+04	4.3381-04	3.3930+00
63	453.96	2.5979+00	4.1133-01	1.1284-03	4.1133-01	1.1284-03	2.3453-04	1.1934-02	2.1097+04	2.8971-04	3.7770+00
64	463.52	1.6818+01	2.8377+00	7.8340-03	2.8377+00	7.8340-03	1.6282-03	8.2853-02	1.4647+05	2.0122-03	1.0880+00
65	467.12	2.2237+01	3.7613+00	1.0409-02	3.7613+00	1.0409-02	2.1633-03	1.1008-01	1.9460+05	2.6740-03	1.3070+00
66	495.19	2.7450+01	4.7296+00	1.3337-02	4.7296+00	1.3337-02	2.7720-03	1.4106-01	2.4936+05	3.4308-03	1.6410+00
69	469.23	1.1022+01	1.8670+00	5.1738-03	1.8670+00	5.1738-03	1.0753-03	5.4718-02	9.6730+04	1.3293-03	4.1100-01
70	452.41	2.7397+00	4.5882-01	1.2574-03	4.5882-01	1.2574-03	2.6134-04	1.3298-02	2.3508+04	3.2281-04	7.1100-01
71	454.40	7.5320+00	1.2594+00	3.4559-03	1.2594+00	3.4559-03	7.1826-04	3.6549-02	6.4611+04	8.8730-04	1.3070+00
72	475.36	1.4312+01	2.4341+00	6.7731-03	2.4341+00	6.7731-03	1.4077-03	7.1633-02	1.2663+05	1.7407-03	1.6410+00
73	467.48	5.1803+00	8.4310-01	2.3337-03	8.4310-01	2.3337-03	4.8502-04	2.4681-02	4.3630+04	5.9953-04	3.7770+00
74	485.17	4.3127+00	7.2097-01	2.0194-03	7.2097-01	2.0194-03	4.1971-04	2.1357-02	3.7755+04	5.1922-04	5.3230+00
77	504.01	2.0512+01	3.5230+00	9.9947-03	3.5230+00	9.9947-03	2.0773-03	1.0570-01	1.8686+05	2.5720-03	3.0090+00
78	476.32	1.4465+01	2.4114+00	6.7141-03	2.4114+00	6.7141-03	1.3955-03	7.1009-02	1.2553+05	1.7256-03	3.3930+00
79	471.63	1.2703+01	2.0732+00	5.7546-03	2.0732+00	5.7546-03	1.1960-03	6.0861-02	1.0759+05	1.4787-03	3.7770+00
80	568.72	2.1650+01	3.9147+00	1.1621-02	3.9147+00	1.1621-02	2.4153-03	1.2290-01	2.1727+05	2.9997-03	2.4660+00
81	514.56	1.8626+01	3.2207+00	9.2035-03	3.22C7+00	9.2035-03	1.9128-03	9.7337-02	1.7207+05	2.3696-03	3.0090+00
82	489.16	1.8037+01	3.0413+00	8.5415-03	3.0413+00	8.5415-03	1.7753-03	9.0336-02	1.5969+05	2.1966-03	3.3930+00
83	478.87	1.7143+01	2.8455+00	7.9365-03	2.8455+00	7.9365-03	1.6495-03	8.3937-02	1.4838+05	2.0400-03	3.7770+00
337	636.32	4.6842+01	9.6200+00	3.0017-02	9.6200+00	3.0017-02	6.2386-03	3.1746-01	5.6120+05	7.7743-03	7.1680+00
339	619.20	4.2311+01	8.7921+00	2.7082-02	8.7921+00	2.7082-02	5.6288-03	2.8642-01	5.0634+05	7.0082-03	8.1130+00
340	528.64	1.5575+01	3.0054+00	8.6723-03	3.0054+00	8.6723-03	1.8025-03	9.1719-02	1.6214+05	2.2343-03	8.6180+00
342	621.70	3.9654+01	8.3376+00	2.5730-02	8.3376+00	2.5730-02	5.3478-03	2.7213-01	4.8106+05	6.6592-03	7.1680+00
344	596.78	3.1151+01	6.4258+00	1.9467-02	6.4258+00	1.9467-02	4.0461-03	2.0589-01	3.6397+05	5.0321-03	8.1130+00
347	555.79	2.6318+01	5.1630+00	1.5186-02	5.1630+00	1.5186-02	3.1562-03	1.6061-01	2.8392+05	3.9175-03	7.1680+00
349	538.29	1.3727+01	2.7285+00	7.9268-03	2.7285+00	7.9268-03	1.6475-03	8.3835-02	1.4820+05	2.0432-03	8.1130+00
350	491.59	2.8099+00	4.9995-01	1.4064-03	4.9995-01	1.4064-03	2.9231-04	1.4874-02	2.6295+04	3.6172-04	8.6180+00
352	508.95	4.1023+00	7.6311-01	2.1723-03	7.6311-01	2.1723-03	4.5149-04	2.2974-02	4.0614+04	5.5915-04	7.1680+00
354	509.74	4.5512+00	8.8637-01	2.5245-03	8.8637-01	2.5245-03	5.2470-04	2.6700-02	4.7199+04	6.4983-04	8.1130+00
357	532.58	1.8884+01	3.5553+00	1.0287-02	3.5553+00	1.0287-02	2.1381-03	1.0880-01	1.9233+05	2.6509-03	7.1680+00
359	519.49	1.2398+01	2.27C9+00	6.5114-03	2.2709+00	6.5114-03	1.3533-03	6.8866-02	1.2174+05	1.6769-03	8.1130+00
401	689.56	1.2816+02	1.2197+01	3.9657-02	1.2197+01	3.9657-02	8.2424-03	4.1942-01	7.4144+05	1.0300-02	4.5500-01
403	693.11	1.3089+02	1.2332+01	4.0209-02	1.2332+01	4.0209-02	8.3570-03	4.2525-01	7.5175+05	1.0445-02	6.8600-01
404	4157.13	5.1867-03	-2.8443-03	-2.1342-06	-2.8443-03	-2.1342-06	-4.4356-07	-2.2571-05	-3.9901+01	-4.7163-07	8.0100-01
405	690.16	1.2389+02	1.1654+01	3.7911-02	1.1654+01	3.7911-02	7.8795-03	4.0095-01	7.0880+05	9.8466-03	1.0510+00
406	642.58	1.1602+02	1.0711+01	3.3579-02	1.0711+01	3.3579-02	6.9789-03	3.5513-01	6.2779+05	8.6996-03	1.1670+00
407	629.18	1.0666+02	9.9502+00	3.0880-02	9.9502+00	3.0880-02	6.4180-03	3.2659-01	5.7733+05	7.9949-03	1.2830+00
408	597.15	9.3830+01	8.2967+00	2.5143-02	8.2967+00	2.5143-02	5.2256-03	2.6591-01	4.7007+05	6.4991-03	5.1300-01
409	485.73	2.1971+01	1.8481+00	5.1785-03	1.8481+00	5.1785-03	1.0763-03	5.4768-02	9.6818+04	1.3315-03	5.7000-01
410	598.21	9.0704+01	7.8792+00	2.3896-02	7.8792+00	2.3896-02	4.9665-03	2.5273-01	4.4676+05	6.1772-03	6.2800-01
411	494.99	2.8362+01	2.4002+00	6.7675-03	2.4002+00	6.7675-03	1.4066-03	7.1574-02	1.2653+05	1.7408-03	8.6600-01
412	608.70	1.0481+02	9.4417+00	2.8857-02	9.4417+00	2.8857-02	5.9976-03	3.0519-01	5.3951+05	7.4635-03	7.4400-01
413	504.12	3.6595+01	3.1336+00	8.8908-03	3.1336+00	8.8908-03	1.8479-03	9.4030-02	1.6622+05	2.2880-03	8.0100-01
414	653.65	1.3038+02	1.2035+01	3.8052-02	1.2035+01	3.8052-02	7.9087-03	4.0244-01	7.1142+05	9.8642-03	8.5900-01
415	511.64	4.4295+01	3.7886+00	1.0805-02	3.7886+00	1.0805-02	2.2456-03	1.1427-01	2.0200+05	2.7814-03	9.1700-01
416	599.21	8.6383+01	7.2301+00	2.1943-02	7.2301+00	2.1943-02	4.5607-03	2.3207-01	4.1026+05	5.6727-03	5.7000-01
417	651.25	1.2153+02	1.1205+01	3.5360-02	1.1205+01	3.5360-02	7.3493-03	3.7397-01	6.6110+05	9.1654-03	1.0520+00

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9.06903+01 3.40265-02 2.46865+00 4.75061+03 3.14788-05 7.34591-08 1.70787-01 7.72000+00 7.66558-06 7.39807-02

1	540.00	4.9280+01	8.7331+00	2.5391-02	8.7331+00	2.5391-02	5.2771-03	2.6853-01	4.7471+05	6.5478-03	4.1100-01
2	621.56	8.8175+01	1.6383+01	5.0529-02	1.6383+01	5.0529-02	1.0502-02	5.3440-01	9.4471+05	1.3083-02	7.1100-01
3	644.50	9.9213+01	1.8664+01	5.8573-02	1.8664+01	5.8573-02	1.2174-02	6.1947-01	1.0951+06	1.5184-02	1.3070+00
4	595.75	6.8849+01	1.2608+01	3.8153-02	1.2608+01	3.8153-02	7.9296-03	4.0351-01	7.1331+05	9.8659-03	1.6410+00
5	566.55	4.1462+01	7.8149+00	2.3153-02	7.8149+00	2.3153-02	4.8121-03	2.4487-01	4.3287+05	5.9784-03	1.7720+00
6	578.33	2.5353+01	4.5294+00	1.3533-02	4.5294+00	1.3533-02	2.8127-03	1.4313-01	2.5302+05	3.4965-03	2.4660+00
7	516.11	1.4432+01	2.4757+00	7.0792-03	2.4757+00	7.0792-03	1.4713-03	7.4870-02	1.3235+05	1.8235-03	3.0090+00
8	503.90	1.8644+01	3.1452+00	8.9187-03	3.1452+00	8.9187-03	1.8537-03	9.4325-02	1.6675+05	2.2961-03	3.3930+00
9	491.47	1.8538+01	3.1025+00	8.7234-03	3.1025+00	8.7234-03	1.8131-03	9.2259-02	1.6309+05	2.2445-03	3.7770+00
10	506.91	1.7763+01	3.0115+00	8.5570-03	3.0115+00	8.5570-03	1.7785-03	9.0499-02	1.5998+05	2.2033-03	5.3230+00
14	591.11	7.6101+01	1.3900+01	4.1918-02	1.3900+01	4.1918-02	8.7121-03	4.4332-01	7.8370+05	1.0837-02	1.0880+00
15	598.68	8.1955+01	1.5033+01	4.5588-02	1.5033+01	4.5588-02	9.4751-03	4.8215-01	8.5233+05	1.1790-02	1.3070+00
16	618.59	8.3353+01	1.5461+01	4.7583-02	1.5461+01	4.7583-02	9.8895-03	5.0324-01	8.8961+05	1.2318-02	1.6410+00
19	591.37	6.2230+01	1.0337+01	3.1181-02	1.0337+01	3.1181-02	6.4806-03	3.2977-01	5.8296+05	8.0612-03	4.1100-01
20	554.03	6.0678+01	1.0337+01	3.0353-02	1.0337+01	3.0353-02	6.3086-03	3.2102-01	5.6749+05	7.8329-03	7.1100-01
21	557.02	6.2831+01	1.0888+01	3.2038-02	1.0888+01	3.2038-02	6.6587-03	3.3883-01	5.9898+05	8.2688-03	1.0880+00
22	544.99	5.9796+01	1.0349+01	3.0195-02	1.0349+01	3.0195-02	6.2757-03	3.1934-01	5.6453+05	7.7887-03	1.3070+00
23	954.98	1.0182-01	2.1088-02	8.6911-05	2.1088-02	8.6911-05	1.8063-05	9.1917-04	1.6249+03	2.2953-05	1.6410+00
24	495.73	5.3725+00	9.0161-01	2.5424-03	9.0161-01	2.5424-03	5.2842-04	2.6889-02	4.7534+04	6.5428-04	3.0090+00
25	482.81	6.7299+00	1.0930+00	3.0555-03	1.0930+00	3.0555-03	6.3504-04	3.2315-02	5.7125+04	7.8584-04	3.3930+00
26	477.27	7.8727+00	1.2818+00	3.5699-03	1.2818+00	3.5699-03	7.4197-04	3.7756-02	6.6744+04	9.1792-04	3.7770+00
27	674.42	1.1447+02	2.0852+01	6.6965-02	2.0852+01	6.6965-02	1.3918-02	7.0823-01	1.2520+06	1.7386-02	7.1100-01
28	567.55	7.0489+01	1.2291+01	3.6441-02	1.2291+01	3.6441-02	7.5738-03	3.8540-01	6.8130+05	9.4100-03	1.0880+00
29	548.61	5.8822+01	1.0295+01	3.0113-02	1.0295+01	3.0113-02	6.2587-03	3.1848-01	5.6300+05	7.7689-03	1.3070+00
30	552.19	5.2904+01	9.3067+00	2.7292-02	9.3067+00	2.7292-02	5.6723-03	2.8864-01	5.1025+05	7.0423-03	1.6410+00
31	545.06	3.6563+01	6.4993+00	1.8963-02	6.4993+00	1.8963-02	3.9414-03	2.0056-01	3.5454+05	4.8916-03	1.7720+00
32	574.82	2.3288+01	4.1521+00	1.2374-02	4.1521+00	1.2374-02	2.5719-03	1.3087-01	2.3135+05	3.1966-03	2.4660+00
33	513.24	1.4506+01	2.4988+00	7.1312-03	2.4988+00	7.1312-03	1.4821-03	7.5420-02	1.3333+05	1.8367-03	3.0090+00
34	479.45	8.8587+00	1.4710+00	4.1026-03	1.4710+00	4.1026-03	8.5268-04	4.3390-02	7.6703+04	1.0550-03	3.3930+00
35	467.12	6.7413+00	1.0636+00	2.9420-03	1.0636+00	2.9420-03	6.1146-04	3.1115-02	5.5004+04	7.5611-04	3.7770+00
36	535.76	5.1706+01	8.8721+00	2.5718-02	8.8721+00	2.5718-02	5.3453-03	2.7200-01	4.8083+05	6.6310-03	1.3070+00
37	588.32	2.8759+01	5.2290+00	1.5737-02	5.2290+00	1.5737-02	3.2708-03	1.6644-01	2.9422+05	4.0679-03	2.4660+00
38	499.68	7.9512+00	1.3378+00	3.7825-03	1.3378+00	3.7825-03	7.8615-04	4.0004-02	7.0718+04	9.7358-04	3.0090+00
39	465.30	3.8831+00	6.3490-01	1.7541-03	6.3490-01	1.7541-03	3.6457-04	1.8552-02	3.2795+04	4.5078-04	3.3930+00
40	457.82	3.6566+00	5.8946-01	1.6205-03	5.8946-01	1.6205-03	3.3681-04	1.7139-02	3.0298+04	4.1631-04	3.7770+00
41	465.38	5.5938+00	8.8701-01	2.4508-03	8.8701-01	2.4508-03	5.0937-04	2.5920-02	4.5821+04	6.2982-04	4.1620+00
43	477.16	3.7382+00	6.2908-01	1.7518-03	6.2908-01	1.7518-03	3.6410-04	1.8528-02	3.2753+04	4.5044-04	5.3230+00
47	539.44	4.3234+01	7.3679+00	2.1413-02	7.3679+00	2.1413-02	4.4505-03	2.2647-01	4.0034+05	5.5219-03	7.1100-01
48	584.90	7.3244+01	1.3057+01	3.9199-02	1.3057+01	3.9199-02	8.1472-03	4.1458-01	7.3288+05	1.0131-02	1.0880+00
49	521.11	4.5709+01	7.8892+00	2.2637-02	7.8892+00	2.2637-02	4.7048-03	2.3941-01	4.2323+05	5.8325-03	1.3070+00
50	518.71	2.9807+01	5.1674+00	1.4803-02	5.1674+00	1.4803-02	3.0766-03	1.5655-01	2.7675+05	3.8135-03	1.6410+00
51	522.55	2.0262+01	3.5522+00	1.0203-02	3.5522+00	1.0203-02	2.1205-03	1.0791-01	1.9075+05	2.6290-03	1.7720+00
52	536.54	1.1483+01	2.0306+00	5.8894-03	2.0306+00	5.8894-03	1.2240-03	6.2286-02	1.1011+05	1.5185-03	2.4660+00
53	484.19	5.3979+00	8.9910-01	2.5156-03	8.9910-01	2.5156-03	5.2285-04	2.6606-02	4.7033+04	6.4704-04	3.0090+00
54	467.32	7.7034+00	1.2536+00	3.4682-03	1.2536+00	3.4682-03	7.2082-04	3.6680-02	6.4841+04	8.9135-04	3.3930+00
55	464.51	8.2644+00	1.3179+00	3.6392-03	1.3179+00	3.6392-03	7.5637-04	3.8489-02	6.8040+04	9.3519-04	3.7770+00
56	475.70	1.0940+01	1.7086+00	4.7535-03	1.7086+00	4.7535-03	9.8796-04	5.0273-02	8.8872+04	1.2222-03	4.1100-01
57	518.25	3.3770+01	5.6455+00	1.6167-02	5.6455+00	1.6167-02	3.3601-03	1.7098-01	3.0226+05	4.1649-03	7.1100-01
58	510.49	3.7644+01	6.4156+00	1.8274-02	6.4156+00	1.8274-02	3.7981-03	1.9327-01	3.4166+05	4.7061-03	1.0880+00
59	507.69	3.7814+01	6.4523+00	1.8344-02	6.4523+00	1.8344-02	3.8125-03	1.9400-01	3.4296+05	4.7233-03	1.3070+00
60	526.64	3.4150+01	5.9144+00	1.7036-02	5.9144+00	1.7036-02	3.5407-03	1.8017-01	3.1851+05	4.3905-03	1.6410+00
61	478.76	6.4660+00	1.0699+00	2.9827-03	1.0699+00	2.9827-03	6.1993-04	3.1546-02	5.5766+04	7.6699-04	3.0090+00
62	457.25	3.8530+00	6.2277-01	1.7115-03	6.2277-01	1.7115-03	3.5571-04	1.8101-02	3.1998+04	4.3966-04	3.3930+00
63	455.24	2.6208+00	4.1531-01	1.1398-03	4.1531-01	1.1398-03	2.3690-04	1.2055-02	2.1310+04	2.9278-04	3.7770+00
64	471.99	1.7076+01	2.8977+00	8.0417-03	2.8977+00	8.0417-03	1.6714-03	8.5050-02	1.5035+05	2.0672-03	1.0880+00
65	478.28	2.2404+01	3.8176+00	1.0639-02	3.8176+00	1.0639-02	2.2112-03	1.1252-01	1.9891+05	2.7357-03	1.3070+00
66	508.80	2.6986+01	4.6903+00	1.3345-02	4.6903+00	1.3345-02	2.7735-03	1.4113-01	2.4949+05	3.4363-03	1.6410+00
69	474.90	1.1456+01	1.9477+00	5.4157-03	1.9477+00	5.4157-03	1.1256-03	5.7277-02	1.0125+05	1.3924-03	4.1100-01
70	453.93	3.2021+00	5.3680-01	1.4720-03	5.3680-01	1.4720-03	3.0593-04	1.5568-02	2.7520+04	3.7808-04	7.1100-01
71	458.36	7.9522+00	1.3332+00	3.6666-03	1.3332+00	3.6666-03	7.6206-04	3.8778-02	6.8551+04	9.4196-04	1.3070+00
72	482.43	1.4013+01	2.3944+00	6.6915-03	2.3944+00	6.6915-03	1.3908-03	7.0770-02	1.2511+05	1.7210-03	1.6410+00
73	470.04	5.1481+00	8.3929-01	2.3261-03	8.3929-01	2.3261-03	4.8346-04	2.4601-02	4.3490+04	5.9791-04	3.7770+00
74	487.30	4.2639+00	7.1380-01	2.0014-03	7.1380-01	2.0014-03	4.1596-04	2.1167-02	3.7418+04	5.1484-04	5.3230+00
77	514.23	2.0124+01	3.4788+00	9.9347-03	3.4788+00	9.9347-03	2.0648-03	1.0507-01	1.8574+05	2.5589-03	3.0090+00
78	483.53	1.4381+01	2.4088+00	6.7367-03	2.4088+00	6.7367-03	1.4001-03	7.1247-02	1.2595+05	1.7327-03	3.3930+00
79	477.97	1.2561+01	2.0586+00	5.7357-03	2.0586+00	5.7357-03	1.1921-03	6.0662-02	1.0724+05	1.4749-03	3.7770+00
80	580.01	2.3096+01	4.2037+00	1.2575-02	4.2037+00	1.2575-02	2.6136-03	1.3300-01	2.3511+05	3.2493-03	2.4660+00
81	523.80	1.8299+01	3.1825+00	9.1486-03	3.1825+00	9.1486-03	1.9014-03	9.6757-02	1.7104+05	2.3575-03	3.0090+00
82	498.17	1.8002+01	3.0530+00	8.6235-03	3.0530+00	8.6235-03	1.7923-03	9.1203-02	1.6123+05	2.2195-03	3.3930+00
83	487.43	1.7097+01	2.8538+00	8.0023-03	2.8538+00	8.0023-03	1.6632-03	8.4633-02	1.4961+05	2.0586-03	3.7770+00
337	659.47	4.5620+01	9.4853+00	3.0111-02	9.4853+00	3.0111-02	6.2581-03	3.1845-01	5.6295+05	7.8115-03	7.1680+00
339	640.23	4.1638+01	8.7522+00	2.7377-02	8.7522+00	2.7377-02	5.6900-03	2.8954-01	5.1185+05	7.0953-03	8.1130+00
340	536.44	1.5545+01	3.0140+00	8.7410-03	3.0140+00	8.7410-03	1.8167-03	9.2446-02	1.6342+05	2.2538-03	8.6180+00
342	641.39	3.8898+01	8.2666+00	2.5881-02	8.2666+00	2.5881-02	5.3791-03	2.7372-01	4.8388+05	6.7080-03	7.1680+00
344	612.31	3.0828+01	6.4148+00	1.9650-02	6.4148+00	1.9650-02	4.0840-03	2.0782-01	3.6737+05	5.0854-03	8.1130+00
347	568.89	2.6045+01	5.1492+00	1.5281-02	5.1492+00	1.5281-02	3.1759-03	1.6161-01	2.8569+05	3.9462-03	7.1680+00
349	545.15	1.3803+01	2.7551+00	8.0392-03	2.7551+00	8.0392-03	1.6709-03	8.5023-02	1.5030+05	2.0737-03	8.1130+00
350	492.96	2.7855+00	4.9605-01	1.3962-03	4.9605-01	1.3962-03	2.9018-04	1.4766-02	2.6103+04	3.5925-04	8.6180+00
352	510.98	4.0919+00	7.6216-01	2.1717-03	7.6216-01	2.1717-03	4.5136-04	2.2968-02	4.0602+04	5.5928-04	7.1680+00
354	512.00	4.4655+00	8.7092-01	2.4833-03	8.7092-01	2.4833-03	5.1614-04	2.6264-02	4.6429+04	6.3957-04	8.1130+00
357	541.90	1.8478+01	3.4989+00	1.0186-02	3.4989+00	1.0186-02	2.1171-03	1.0773-01	1.9044+05	2.6271-03	7.1680+00
359	525.63	1.2218+01	2.2465+00	6.4661-03	2.2465+00	6.4661-03	1.3439-03	6.8386-02	1.2089+05	1.6664-03	8.1130+00
401	748.08	1.0726+02	1.0504+01	3.5796-02	1.0504+01	3.5796-02	7.4398-03	3.7858-01	6.6925+05	9.3313-03	4.5500-01
403	751.99	1.0576+02	1.0254+01	3.5057-02	1.0254+01	3.5057-02	7.2862-03	3.7077-01	6.5543+05	9.1407-03	6.8600-01
404	4157.04	1.0390-02	-5.6973-03	-4.2744-06	-5.6973-03	-4.2744-06	-8.8839-07	-4.5207-05	-7.9915+01	-9.4471-07	8.0100-01
405	746.75	1.0469+02	1.0124+01	3.4463-02	1.0124+01	3.4463-02	7.1627-03	3.6448-01	6.4432+05	8.9831-03	1.0510+00
406	696.82	1.0190+02	9.6753+00	3.1625-02	9.6753+00	3.1625-02	6.5730-03	3.3447-01	5.9128+05	8.2208-03	1.1670+00
407	679.63	9.5802+01	9.1787+00	2.9598-02	9.1787+00	2.9598-02	6.1516-03	3.1303-01	5.5337+05	7.6867-03	1.2830+00
408	642.85	8.8201+01	7.9982+00	2.5068-02	7.9982+00	2.5068-02	5.2102-03	2.6513-01	4.6868+05	6.4979-03	5.1300-01
409	497.22	2.4139+01	2.0457+00	5.7746-03	2.0457+00	5.7746-03	1.2002-03	6.1073-02	1.0796+05	1.4862-03	5.7000-01
410	642.84	8.7196+01	7.7633+00	2.4332-02	7.7633+00	2.4332-02	5.0572-03	2.5734-01	4.5492+05	6.3070-03	6.2800-01
411	509.95	3.1437+01	2.6860+00	7.6481-03	2.6860+00	7.6481-03	1.5896-03	8.0887-02	1.4299+05	1.9695-03	6.8600-01
412	660.06	1.0002+02	9.2644+00	2.9423-02	9.2644+00	2.9423-02	6.1152-03	3.1118-01	5.5009+05	7.6333-03	7.4400-01
413	523.00	3.8930+01	3.3735+00	9.6925-03	3.3735+00	9.6925-03	2.0145-03	1.0251-01	1.8121+05	2.4975-03	8.0100-01
414	716.13	1.1830+02	1.1273+01	3.7423-02	1.1273+01	3.7423-02	7.7780-03	3.9579-01	6.9967+05	9.7381-03	8.5900-01
415	534.20	4.5913+01	3.9827+00	1.1532-02	3.9827+00	1.1532-02	2.3969-03	1.2197-01	2.1561+05	2.9732-03	9.1700-01
416	641.47	8.2325+01	7.0529+00	2.2082-02	7.0529+00	2.2082-02	4.5896-03	2.3355-01	4.1286+05	5.7235-03	5.7000-01
417	708.93	1.0924+02	1.0373+01	3.4238-02	1.0373+01	3.4238-02	7.1160-03	3.6210-01	6.4012+05	8.9057-03	1.0520+00

172 4 11.88 -.12 .00 -.00 404 2 1.90 10.04 212.0 1651.5

8.07965+01 4.69915-03 3.31533-01 4.42178+03 4.87965-06 6.54452-08 2.76593-02 7.72000+00 6.72567-06 7.51207-02

1	512.50	7.6201+01	1.2732+01	4.4211-02	1.2732+01	4.4211-02	6.3685-02	1.0174+00	9.4209+05	1.1178-02	.0000+00
2	487.64	3.7582+01	5.5392+00	1.8843-02	5.5392+00	1.8843-02	2.7143-02	4.3365-01	4.0153+05	4.7593-03	1.1570-01
3	472.28	2.1072+01	3.3360+00	1.1207-02	3.3360+00	1.1207-02	1.6144-02	2.5792-01	2.3882+05	2.8290-03	2.5000-01
4	461.83	1.7443+01	2.7593+00	9.1924-03	2.7593+00	9.1924-03	1.3242-02	2.1155-01	1.9588+05	2.3194-03	4.8300-01
5	453.26	1.3519+01	2.1197+00	7.0134-03	2.1197+00	7.0134-03	1.0103-02	1.6140-01	1.4945+05	1.7690-03	8.7000-01
6	449.22	1.1410+01	1.8174+00	5.9941-03	1.8174+00	5.9941-03	8.6345-03	1.3795-01	1.2773+05	1.5116-03	1.2590+00
7	449.07	1.0265+01	1.6299+00	5.3749-03	1.6299+00	5.3749-03	7.7424-03	1.2369-01	1.1453+05	1.3555-03	1.6500+00
8	452.94	7.0068+00	1.1567+00	3.8261-03	1.1567+00	3.8261-03	5.5115-03	8.8053-02	8.1531+04	9.6504-04	1.7720+00
9	458.77	1.2597+00	2.1188-01	7.0414-04	2.1188-01	7.0414-04	1.0143-03	1.6205-02	1.5004+04	1.7764-04	1.9200+00
10	474.06	7.8286-01	1.3420-01	4.5149-04	1.3420-01	4.5149-04	6.5037-04	1.0390-02	9.6208+03	1.1397-04	2.2400+00
11	481.37	5.5429-01	9.6305-02	3.2594-04	9.6305-02	3.2594-04	4.6951-04	7.5010-03	6.9454+03	8.2303-05	2.6360+00
12	488.92	5.8026-01	1.0103-01	3.4403-04	1.0103-01	3.4403-04	4.9557-04	7.9174-03	7.3310+03	8.6898-05	3.0250+00
13	492.36	5.2987-01	9.2460-02	3.1575-04	9.2460-02	3.1575-04	4.5484-04	7.2665-03	6.7283+03	7.9766-05	3.4150+00
14	492.28	3.8520+01	5.7140+00	1.9512-02	5.7140+00	1.9512-02	2.8107-02	4.4904-01	4.1578+05	4.9292-03	1.1570-01
15	471.52	2.0361+01	3.2419+00	1.0885-02	3.2419+00	1.0885-02	1.5679-02	2.5049-01	2.3194+05	2.7474-03	2.5000-01
16	461.01	1.6786+01	2.6292+00	8.7534-03	2.6292+00	8.7534-03	1.2609-02	2.0145-01	1.8653+05	2.2085-03	4.8300-01
17	453.59	1.1952+01	1.8802+00	6.2228-03	1.8802+00	6.2228-03	8.9639-03	1.4321-01	1.3260+05	1.5696-03	8.7000-01
18	450.17	1.1302+01	1.7904+00	5.9095-03	1.7904+00	5.9095-03	8.5125-03	1.3600-01	1.2592+05	1.4903-03	1.2590+00
19	452.35	9.9273+00	1.5895+00	5.2555-03	1.5895+00	5.2555-03	7.5705-03	1.2095-01	1.1199+05	1.3255-03	1.6500+00
20	457.08	5.5465+00	9.2364-01	3.0654-03	9.2364-01	3.0654-03	4.4157-03	7.0545-02	6.5321+04	7.7329-04	1.7720+00
21	460.19	1.4211+01	2.2177+00	7.3784-03	2.2177+00	7.3784-03	1.0628-02	1.6980-01	1.5723+05	1.8615-03	4.8300-01
22	455.22	1.2468+01	1.9819+00	6.5678-03	1.9819+00	6.5678-03	9.4608-03	1.5115-01	1.3995+05	1.6567-03	8.7000-01
23	450.83	9.8083+00	1.5592+00	5.1492-03	1.5592+00	5.1492-03	7.4173-03	1.1850-01	1.0972+05	1.2986-03	1.2590+00
24	454.60	9.3210+00	1.5039+00	4.9813-03	1.5039+00	4.9813-03	7.1755-03	1.1464-01	1.0615+05	1.2565-03	1.6500+00
25	460.19	6.5673+00	1.0765+00	3.5817-03	1.0765+00	3.5817-03	5.1594-03	8.2428-02	7.6323+04	9.0365-04	1.7720+00
26	470.77	1.0629+00	1.8021-01	6.0470-04	1.8021-01	6.0470-04	8.7107-04	1.3916-02	1.2886+04	1.5263-04	1.9200+00
27	494.07	5.8130-01	1.0008-01	3.4226-04	1.0008-01	3.4226-04	4.9303-04	7.8767-03	7.2933+03	8.6470-05	3.0250+00
28	499.01	7.1117-01	1.2283-01	4.2178-04	1.2283-01	4.2178-04	6.0758-04	9.7067-03	8.9878+03	1.0658-04	3.4150+00
29	466.59	3.3316+01	5.2708+00	1.7626-02	5.2708+00	1.7626-02	2.5391-02	4.0565-01	3.7560+05	4.4482-03	8.7000-01
30	458.88	2.2551+01	3.5935+00	1.1943-02	3.5935+00	1.1943-02	1.7204-02	2.7486-01	2.5450+05	3.0131-03	1.2590+00
31	462.96	1.9993+01	3.2243+00	1.0751-02	3.2243+00	1.0751-02	1.5487-02	2.4742-01	2.2910+05	2.7128-03	1.6500+00
32	465.21	9.5590+00	1.5723+00	5.2521-03	1.5723+00	5.2521-03	7.5656-03	1.2087-01	1.1192+05	1.3254-03	1.7720+00
33	490.59	6.5766-01	1.1099-01	3.7849-04	1.1099-01	3.7849-04	5.4521-04	8.7103-03	8.0652+03	9.5608-05	2.2400+00
34	499.74	5.1688-01	8.8012-02	3.0240-04	8.8012-02	3.0240-04	4.3560-04	6.9592-03	6.4438+03	7.6415-05	3.0250+00
35	461.76	2.2606+01	3.2974+00	1.0985-02	3.2974+00	1.0985-02	1.5823-02	2.5279-01	2.3407+05	2.7715-03	1.1570-01
37	473.30	2.0535+01	3.1818+00	1.0698-02	3.1818+00	1.0698-02	1.5411-02	2.4620-01	2.2797+05	2.7005-03	1.2500+00
38	476.43	1.8265+00	3.0722-01	1.0356-03	3.0722-01	1.0356-03	1.4918-03	2.3833-02	2.2068+04	2.6145-04	1.9200+00
39	493.69	2.0639+00	3.5422-01	1.2110-03	3.5422-01	1.2110-03	1.7444-03	2.7869-02	2.5805+04	3.0594-04	2.2400+00
40	500.55	1.0717+00	1.8745-01	6.4449-04	1.8745-01	6.4449-04	9.2839-04	1.4832-02	1.3734+04	1.6267-04	3.0250+00
41	498.15	1.0083+00	1.7457-01	5.9901-04	1.7457-01	5.9901-04	8.6286-04	1.3785-02	1.2764+04	1.5136-04	3.4150+00
42	472.65	3.9627+01	6.3143+00	2.1220-02	6.3143+00	2.1220-02	3.0566-02	4.8834-01	4.5217+05	5.3563-03	8.7000-01
43	461.15	2.4351+01	3.9224+00	1.3060-02	3.9224+00	1.3060-02	1.8813-02	3.0056-01	2.7830+05	3.2951-03	1.2590+00
44	467.45	2.0043+01	3.2521+00	1.0883-02	3.2521+00	1.0883-02	1.5677-02	2.5046-01	2.3191+05	2.7466-03	1.6500+00
45	472.46	1.1518+01	1.8922+00	6.3580-03	1.8922+00	6.3580-03	9.1587-03	1.4632-01	1.3548+05	1.6049-03	1.7720+00
46	496.33	8.6961-01	1.4775-01	5.0622-04	1.4775-01	5.0622-04	7.2920-04	1.1650-02	1.0787+04	1.2790-04	2.2400+00
47	500.67	5.3195-01	9.1976-02	3.1626-04	9.1976-02	3.1626-04	4.5557-04	7.2783-03	6.7392+03	7.9922-05	3.0250+00
48	455.57	1.2604+01	1.9606+00	6.4992-03	1.9606+00	6.4992-03	9.3620-03	1.4957-01	1.3849+05	1.6394-03	8.7000-01
49	453.10	9.7340+00	1.5546+00	5.1431-03	1.5546+00	5.1431-03	7.4086-03	1.1836-01	1.0959+05	1.2972-03	1.2590+00
50	464.59	9.1055+00	1.4925+00	4.9833-03	1.4925+00	4.9833-03	7.1784-03	1.1468-01	1.0619+05	1.2575-03	1.6500+00
51	472.06	6.1506+00	1.0133+00	3.4035-03	1.0133+00	3.4035-03	4.9027-03	7.8327-02	7.2525+04	8.5910-04	1.7720+00
52	484.33	9.5325-01	1.6165-01	5.4843-04	1.6165-01	5.4843-04	7.9000-04	1.2621-02	1.1686+04	1.3850-04	1.9200+00
53	498.36	6.8519-01	1.1657-01	4.0006-04	1.1657-01	4.0006-04	5.7628-04	9.2067-03	8.5248+03	1.0109-04	2.2400+00
54	500.53	7.4182-01	1.2638-01	4.3450-04	1.2638-01	4.3450-04	6.2589-04	9.9994-03	9.2588+03	1.0980-04	2.6360+00
55	501.50	6.9870-01	1.1911-01	4.0983-04	1.1911-01	4.0983-04	5.9035-04	9.4316-03	8.7331+03	1.0357-04	3.0250+00
56	499.54	8.0416-01	1.3813-01	4.7451-04	1.3813-01	4.7451-04	6.8353-04	1.0920-02	1.0111+04	1.1991-04	3.4150+00
57	486.99	3.4341+01	5.0938+00	1.7319-02	5.0938+00	1.7319-02	2.4948-02	3.9857-01	3.6905+05	4.3742-03	1.1570-01
58	471.54	2.0481+01	3.2408+00	1.0881-02	3.2408+00	1.0881-02	1.5674-02	2.5041-01	2.3187+05	2.7465-03	2.5000-01
59	461.29	1.6931+01	2.6775+00	8.9160-03	2.6775+00	8.9160-03	1.2843-02	2.0519-01	1.8999+05	2.2496-03	4.8300-01
60	455.20	1.2537+01	1.9744+00	6.5428-03	1.9744+00	6.5428-03	9.4249-03	1.5057-01	1.3942+05	1.6504-03	8.7000-01
61	487.04	7.0130-01	1.1351-01	3.8597-04	1.1351-01	3.8597-04	5.5598-04	8.8824-03	8.2245+03	9.7482-05	1.2590+00
62	465.44	1.0128+01	1.6211+00	5.4164-03	1.6211+00	5.4164-03	7.8023-03	1.2465-01	1.1542+05	1.3668-03	1.6500+00
63	473.36	6.5984+00	1.1043+00	3.7134-03	1.1043+00	3.7134-03	5.3491-03	8.5458-02	7.9128+04	9.3737-04	1.7720+00
64	497.13	7.0234-01	1.2152-01	4.1661-04	1.2152-01	4.1661-04	6.0012-04	9.5876-03	8.8775+03	1.0526-04	2.2400+00
65	498.28	6.8104-01	1.1826-01	4.0584-04	1.1826-01	4.0584-04	5.8461-04	9.3398-03	8.6481+03	1.0255-04	3.0250+00
66	487.46	3.5311+01	5.2393+00	1.7820-02	5.2393+00	1.7820-02	2.5670-02	4.1011-01	3.7973+05	4.5009-03	1.1570-01
67	471.10	2.0688+01	3.1803+00	1.0674-02	3.1803+00	1.0674-02	1.5376-02	2.4565-01	2.2746+05	2.6943-03	2.5000-01
68	459.66	1.7248+01	2.7246+00	9.0610-03	2.7246+00	9.0610-03	1.3052-02	2.0852-01	1.9308+05	2.2860-03	4.8300-01
69	452.09	1.3557+01	2.1305+00	7.0427-03	2.1305+00	7.0427-03	1.0145-02	1.6208-01	1.5007+05	1.7763-03	8.7000-01
70	449.87	1.1317+01	1.8090+00	5.9695-03	1.8090+00	5.9695-03	8.5990-03	1.3738-01	1.2720+05	1.5055-03	1.2590+00
71	462.70	1.0275+01	1.6770+00	5.5908-03	1.6770+00	5.5908-03	8.0534-03	1.2866-01	1.1913+05	1.4107-03	1.6500+00
72	471.18	6.8691+00	1.1514+00	3.8647-03	1.1514+00	3.8647-03	5.5671-03	8.8940-02	8.2353+04	9.7548-04	1.7720+00
73	480.12	1.1631+00	1.9728-01	6.6700-04	1.9728-01	6.6700-04	9.6081-04	1.5350-02	1.4213+04	1.6842-04	1.9200+00
74	494.70	7.8649-01	1.3547-01	4.6351-04	1.3547-01	4.6351-04	6.6768-04	1.0667-02	9.8769+03	1.1710-04	2.2400+00
75	493.91	6.9974-01	1.2046-01	4.1190-04	1.2046-01	4.1190-04	5.9334-04	9.4793-03	8.7772+03	1.0406-04	3.0250+00
76	491.04	7.2519-01	1.2498-01	4.2633-04	1.2498-01	4.2633-04	6.1412-04	9.8114-03	9.0847+03	1.0770-04	3.4150+00
77	475.55	6.5143-01	1.0886-01	3.6670-04	1.0886-01	3.6670-04	5.2822-04	8.4389-03	7.8139+03	9.2573-05	2.6360+00
78	483.12	6.5558-01	1.1141-01	3.7761-04	1.1141-01	3.7761-04	5.4395-04	8.6902-03	8.0466+03	9.5358-05	3.0250+00
79	488.60	5.8857-01	1.0068-01	3.4276-04	1.0068-01	3.4276-04	4.9374-04	7.8881-03	7.3039+03	8.6576-05	3.4150+00
80	474.79	8.1662-01	1.3883-01	4.6737-04	1.3883-01	4.6737-04	6.7324-04	1.0756-02	9.9591+03	1.1798-04	2.2400+00
81	478.48	6.2390-01	1.0446-01	3.5271-04	1.0446-01	3.5271-04	5.0808-04	8.1172-03	7.5160+03	8.9054-05	2.6360+00
82	485.71	5.8442-01	9.8610-02	3.3492-04	9.8610-02	3.3492-04	4.8245-04	7.7077-03	7.1369+03	8.4586-05	3.0250+00
83	490.04	5.6883-01	9.7109-02	3.3100-04	9.7109-02	3.3100-04	4.7680-04	7.6174-03	7.0532+03	8.3609-05	3.4150+00
401	496.08	3.8467+01	3.2770+00	1.1225-02	3.2770+00	1.1225-02	1.6170-02	2.5833-01	2.3920+05	2.8362-03	4.4500-01
403	491.34	3.2157+01	2.7310+00	9.3187-03	2.7310+00	9.3187-03	1.3423-02	2.1446-01	1.9857+05	2.3540-03	6.8600-01
404	480.24	1.9227+01	1.6211+00	5.4815-03	1.6211+00	5.4815-03	7.8960-03	1.2615-01	1.1680+05	1.3841-03	8.0100-01
405	473.39	1.9591+01	1.6443+00	5.5291-03	1.6443+00	5.5291-03	7.9646-03	1.2724-01	1.1782+05	1.3957-03	1.0510+00
406	591.72	1.6104-02	1.4540-03	5.4084-06	1.4540-03	5.4084-06	7.7907-06	1.2447-04	1.1525+02	1.3720-06	1.1670+00
407	504.89	7.7726+01	6.7772+00	2.3385-02	6.7772+00	2.3385-02	3.3686-02	5.3817-01	4.9831+05	5.9106-03	1.2830+00
408	486.36	2.5436+01	2.1533+00	7.3173-03	2.1533+00	7.3173-03	1.0540-02	1.6840-01	1.5592+05	1.8481-03	5.1300-01
409	479.67	1.9466+01	1.6600+00	5.6105-03	1.6600+00	5.6105-03	8.0819-03	1.2912-01	1.1955+05	1.4166-03	5.7000-01
410	479.44	1.6668+01	1.4212+00	4.8025-03	1.4212+00	4.8025-03	6.9179-03	1.1052-01	1.0234+05	1.2126-03	6.2800-01
411	477.62	1.6609+01	1.4145+00	4.7726-03	1.4145+00	4.7726-03	6.8749-03	1.0983-01	1.0170+05	1.2050-03	6.8600-01
412	479.54	2.0803+01	1.7739+00	5.9948-03	1.7739+00	5.9948-03	8.6355-03	1.3796-01	1.2774+05	1.5136-03	7.4400-01
413	477.38	1.9005+01	1.6183+00	5.4591-03	1.6183+00	5.4591-03	7.8638-03	1.2563-01	1.1633+05	1.3783-03	8.0100-01
414	474.02	1.5128+01	1.2702+00	4.2734-03	1.2702+00	4.2734-03	6.1558-03	9.8347-02	9.1063+04	1.0788-03	8.5900-01
415	469.67	1.2998+01	1.0947+00	3.6699-03	1.0947+00	3.6699-03	5.2865-03	8.4458-02	7.8202+04	9.2626-04	9.1700-01
416	482.39	1.9198+01	1.6018+00	5.4257-03	1.6018+00	5.4257-03	7.8156-03	1.2486-01	1.1562+05	1.3701-03	5.7000-01
417	473.89	2.5051+01	2.1282+00	7.1590-03	2.1282+00	7.1590-03	1.0313-02	1.6475-01	1.5255+05	1.8072-03	1.0520+00

172 4 11.88 -.12 .00 -.00 404 2 2.15 10.04 212.0 1651.5

8.07965+01 4.69915-03 3.31533-01 4.42178+03 4.87965-06 6.54452-08 2.76593-02 7.72000+00 6.72567-06 7.51207-02

1	531.38	7.3950+01	1.2502+01	4.4119-02	1.2502+01	4.4119-02	6.3553-02	1.0153+00	9.4013+05	1.1161-02	.0000+00
2	497.11	3.7677+01	5.5874+00	1.9159-02	5.5874+00	1.9159-02	2.7598-02	4.4092-01	4.0826+05	4.8402-03	1.1570-01
3	477.59	2.0887+01	3.3183+00	1.1198-02	3.3183+00	1.1198-02	1.6130-02	2.5770-01	2.3862+05	2.8267-03	2.5000-01
4	466.21	1.7431+01	2.7655+00	9.2472-03	2.7655+00	9.2472-03	1.3320-02	2.1281-01	1.9705+05	2.3332-03	4.8300-01
5	456.64	1.3645+01	2.1443+00	7.1152-03	2.1443+00	7.1152-03	1.0249-02	1.6375-01	1.5162+05	1.7946-03	8.7000-01
6	452.03	1.1310+01	1.8049+00	5.9671-03	1.8049+00	5.9671-03	8.5955-03	1.3732-01	1.2715+05	1.5048-03	1.2590+00
7	451.60	1.0043+01	1.5973+00	5.2790-03	1.5973+00	5.2790-03	7.6043-03	1.2149-01	1.1249+05	1.3312-03	1.6500+00
8	454.68	7.0322+00	1.1622+00	3.8505-03	1.1622+00	3.8505-03	5.5466-03	8.8614-02	8.2051+04	9.7111-04	1.7720+00
9	459.09	1.2790+00	2.1516-01	7.1534-04	2.1516-01	7.1534-04	1.0304-03	1.6462-02	1.5243+04	1.8044-04	1.9200+00
10	474.27	8.4728-01	1.4526-01	4.8887-04	1.4526-01	4.8887-04	7.0421-04	1.1251-02	1.0417+04	1.2339-04	2.2400+00
11	481.49	6.0883-01	1.0579-01	3.5813-04	1.0579-01	3.5813-04	5.1589-04	8.2419-03	7.6315+03	9.0418-05	2.6360+00
12	489.08	5.6623-01	9.8594-02	3.3585-04	9.8594-02	3.3585-04	4.8378-04	7.7290-03	7.1565+03	8.4817-05	3.0250+00
13	492.50	5.2571-01	9.1742-02	3.1339-04	9.1742-02	3.1339-04	4.5143-04	7.2121-03	6.6780+03	7.9156-05	3.4150+00
14	501.91	3.8442+01	5.7379+00	1.9753-02	5.7379+00	1.9753-02	2.8454-02	4.5459-01	4.2092+05	4.9912-03	1.1570-01
15	476.63	2.0372+01	3.2548+00	1.0975-02	3.2548+00	1.0975-02	1.5809-02	2.5257-01	2.3387+05	2.7703-03	2.5000-01
16	465.22	1.6730+01	2.6279+00	8.7798-03	2.6279+00	8.7798-03	1.2647-02	2.0205-01	1.8709+05	2.2152-03	4.8300-01
17	456.60	1.2325+01	1.9428+00	6.4464-03	1.9428+00	6.4464-03	9.2859-03	1.4835-01	1.3737+05	1.6259-03	8.7000-01
18	452.94	1.1282+01	1.7906+00	5.9241-03	1.7906+00	5.9241-03	8.5335-03	1.3633-01	1.2624+05	1.4940-03	1.2590+00
19	454.79	9.9927+00	1.6027+00	5.3101-03	1.6027+00	5.3101-03	7.6491-03	1.2220-01	1.1315+05	1.3392-03	1.6500+00
20	458.49	5.6369+00	9.3959-01	3.1223-03	9.3959-01	3.1223-03	4.4977-03	7.1856-02	6.6534+04	7.8758-04	1.7720+00
21	463.74	1.4184+01	2.2187+00	7.4039-03	2.2187+00	7.4039-03	1.0665-02	1.7039-01	1.5777+05	1.8680-03	4.8300-01
22	458.41	1.2820+01	2.0423+00	6.7863-03	2.0423+00	6.7863-03	9.7756-03	1.5618-01	1.4461+05	1.7118-03	8.7000-01
23	453.21	9.6971+00	1.5441+00	5.1096-03	1.5441+00	5.1096-03	7.3603-03	1.1759-01	1.0888+05	1.2886-03	1.2590+00
24	456.99	9.4821+00	1.5324+00	5.0861-03	1.5324+00	5.0861-03	7.3264-03	1.1705-01	1.0838+05	1.2828-03	1.6500+00
25	461.82	6.4493+00	1.0584+00	3.5264-03	1.0584+00	3.5264-03	5.0798-03	8.1155-02	7.5144+04	8.8962-04	1.7720+00
26	471.04	1.0488+00	1.7787-01	5.9706-04	1.7787-01	5.9706-04	8.6005-04	1.3740-02	1.2723+04	1.5068-04	1.9200+00
27	494.24	6.5922-01	1.1351-01	3.8831-04	1.1351-01	3.8831-04	5.5935-04	8.9363-03	8.2744+03	9.8086-05	3.0250+00
28	499.20	6.8260-01	1.1791-01	4.0502-04	1.1791-01	4.0502-04	5.8342-04	9.3208-03	8.6305+03	1.0233-04	3.4150+00
29	475.16	3.3418+01	5.3172+00	1.7908-02	5.3172+00	1.7908-02	2.5796-02	4.1213-01	3.8160+05	4.5201-03	8.7000-01
30	466.67	2.3152+01	3.7038+00	1.2369-02	3.7038+00	1.2369-02	1.7818-02	2.8466-01	2.6357+05	3.1207-03	1.2590+00
31	467.98	2.0083+01	3.2497+00	1.0882-02	3.2497+00	1.0882-02	1.5675-02	2.5042-01	2.3188+05	2.7458-03	1.6500+00
32	467.65	9.7777+00	1.6109+00	5.3925-03	1.6109+00	5.3925-03	7.7678-03	1.2410-01	1.1491+05	1.3607-03	1.7720+00
33	490.72	6.2702-01	1.0583-01	3.6098-04	1.0583-01	3.6098-04	5.1999-04	8.3074-03	7.6921+03	9.1171-05	2.2400+00
34	499.84	4.0415-01	6.8822-02	2.3652-04	6.8822-02	2.3652-04	3.4070-04	5.4431-03	5.0400+03	5.9759-05	3.0250+00
35	467.41	2.2447+01	3.2867+00	1.1000-02	3.2867+00	1.1000-02	1.5846-02	2.5315-01	2.3440+05	2.7757-03	1.1570-01
37	478.47	2.0575+01	3.1989+00	1.0803-02	3.1989+00	1.0803-02	1.5561-02	2.4861-01	2.3019+05	2.7270-03	1.2500+00
38	476.90	1.9678+00	3.3109-01	1.1167-03	3.3109-01	1.1167-03	1.6086-03	2.5699-02	2.3795+04	2.8188-04	1.9200+00
39	494.20	2.1512+00	3.6932-01	1.2633-03	3.6932-01	1.2633-03	1.8198-03	2.9074-02	2.6920+04	3.1912-04	2.2400+00
40	500.82	1.0842+00	1.8967-01	6.5235-04	1.8967-01	6.5235-04	9.3971-04	1.5013-02	1.3901+04	1.6483-04	3.0250+00
41	498.39	1.0182+00	1.7630-01	6.0518-04	1.7630-01	6.0518-04	8.7176-04	1.3927-02	1.2896+04	1.5289-04	3.4150+00
42	482.28	3.7629+01	6.0342+00	2.0441-02	6.0342+00	2.0441-02	2.9445-02	4.7041-01	4.3557+05	5.1609-03	8.7000-01
43	467.26	2.4409+01	3.9479+00	1.3212-02	3.9479+00	1.3212-02	1.9032-02	3.0405-01	2.8153+05	3.3337-03	1.2590+00
44	472.62	2.0585+01	3.3515+00	1.1265-02	3.3515+00	1.1265-02	1.6227-02	2.5924-01	2.4004+05	2.8430-03	1.6500+00
45	475.38	1.1666+01	1.9204+00	6.4689-03	1.9204+00	6.4689-03	9.3183-03	1.4887-01	1.3785+05	1.6328-03	1.7720+00
46	496.55	8.6234-01	1.4653-01	5.0222-04	1.4653-01	5.0222-04	7.2345-04	1.1558-02	1.0702+04	1.2687-04	2.2400+00
47	500.78	4.7013-01	8.1294-02	2.7960-04	8.1294-02	2.7960-04	4.0276-04	6.4346-03	5.9580+03	7.0646-05	3.0250+00
48	458.69	1.2912+01	2.0129+00	6.6900-03	2.0129+00	6.6900-03	9.6369-03	1.5396-01	1.4256+05	1.6875-03	8.7000-01
49	455.53	9.9325+00	1.5889+00	5.2677-03	1.5889+00	5.2677-03	7.5881-03	1.2123-01	1.1225+05	1.3286-03	1.2590+00
50	466.82	8.9938+00	1.4764+00	4.9392-0	1.4764+00	4.9392-03	7.1149-03	1.1367-01	1.0525+05	1.2463-03	1.6500+00
51	473.52	5.8655+00	9.6721-01	3.2532-03	9.6721-01	3.2532-03	4.6861-03	7.4867-02	6.9322+04	8.2107-04	1.7720+00
52	484.53	9.5169-01	1.6141-01	5.4778-04	1.6141-01	5.4778-04	7.8907-04	1.2606-02	1.1673+04	1.3832-04	1.9200+00
53	498.50	6.5091-01	1.1075-01	3.8018-04	1.1075-01	3.8018-04	5.4764-04	8.7492-03	8.1012+03	9.6049-05	2.2400+00
54	500.71	6.9454-01	1.1834-01	4.0698-04	1.1834-01	4.0698-04	5.8625-04	9.3661-03	8.6724+03	1.0283-04	2.6360+00
55	501.68	7.0442-01	1.2009-01	4.1336-04	1.2009-01	4.1336-04	5.9543-04	9.5127-03	8.8082+03	1.0445-04	3.0250+00
56	499.73	8.3896-01	1.4412-01	4.9527-04	1.4412-01	4.9527-04	7.1343-04	1.1398-02	1.0554+04	1.2513-04	3.4150+00
57	495.68	3.4833+01	5.1960+00	1.7796-02	5.1960+00	1.7796-02	2.5635-02	4.0955-01	3.7921+05	4.4955-03	1.1570-01
58	476.69	2.0561+01	3.2645+00	1.1008-02	3.2645+00	1.1008-02	1.5857-02	2.5334-01	2.3458+05	2.7788-03	2.5000-01
59	465.52	1.6939+01	2.6863+00	8.9773-03	2.6863+00	8.9773-03	1.2932-02	2.0660-01	1.9130+05	2.2651-03	4.8300-01
60	458.43	1.2934+01	2.0414+00	6.7833-03	2.0414+00	6.7833-03	9.7712-03	1.5611-01	1.4455+05	1.7110-03	8.7000-01
61	487.20	7.3766-01	1.1941-01	4.0615-04	1.1941-01	4.0615-04	5.8505-04	9.3468-03	8.6545+03	1.0256-04	1.2590+00
62	467.90	9.8945+00	1.5863+00	5.3115-03	1.5863+00	5.3115-03	7.6511-03	1.2223-01	1.1318+05	1.3403-03	1.6500+00
63	474.88	6.2114+00	1.0406+00	3.5040-03	1.0406+00	3.5040-03	5.0475-03	8.0639-02	7.4666+04	8.8442-04	1.7720+00
64	497.28	6.7273-01	1.1640-01	3.9920-04	1.1640-01	3.9920-04	5.7505-04	9.1870-03	8.5066+03	1.0085-04	2.2400+00
65	498.42	6.1039-01	1.0600-01	3.6388-04	1.0600-01	3.6388-04	5.2416-04	8.3740-03	7.7538+03	9.1931-05	3.0250+00
66	496.39	3.5708+01	5.3289+00	1.8262-02	5.3289+00	1.8262-02	2.6306-02	4.2027-01	3.8914+05	4.6134-03	1.1570-01
67	476.31	2.0732+01	3.1981+00	1.0781-02	3.1981+00	1.0781-02	1.5530-02	2.4811-01	2.2974+05	2.7214-03	2.5000-01
68	464.02	1.7351+01	2.7488+00	9.1750-03	2.7488+00	9.1750-03	1.3216-02	2.1115-01	1.9551+05	2.3148-03	4.8300-01
69	455.48	1.3650+01	2.1501+00	7.1279-03	2.1501+00	7.1279-03	1.0268-02	1.6404-01	1.5189+05	1.7977-03	8.7000-01
70	452.63	1.1257+01	1.8027+00	5.9627-03	1.8027+00	5.9627-03	8.5892-03	1.3722-01	1.2706+05	1.5037-03	1.2590+00
71	465.18	1.0038+01	1.6411+00	5.4828-03	1.6411+00	5.4828-03	7.8979-03	1.2618-01	1.1683+05	1.3834-03	1.6500+00
72	472.78	6.5870+00	1.1053+00	3.7154-03	1.1053+00	3.7154-03	5.3519-03	8.5504-02	7.9171+04	9.3770-04	1.7720+00
73	480.37	1.1278+00	1.9132-01	6.4709-04	1.9132-01	6.4709-04	9.3212-04	1.4892-02	1.3789+04	1.6336-04	1.9200+00
74	494.87	7.2624-01	1.2510-01	4.2817-04	1.2510-01	4.2817-04	6.1678-04	9.8538-03	9.1240+03	1.0816-04	2.2400+00
75	494.06	5.8182-01	1.0017-01	3.4262-04	1.0017-01	3.4262-04	4.9354-04	7.8848-03	7.3008+03	8.6545-05	3.0250+00
76	491.18	5.5377-01	9.5442-02	3.2567-04	9.5442-02	3.2567-04	4.6912-04	7.4948-03	6.9397+03	8.2254-05	3.4150+00
77	475.71	7.2728-01	1.2155-01	4.0956-04	1.2155-01	4.0956-04	5.8996-04	9.4253-03	8.7272+03	1.0338-04	2.6360+00
78	483.29	6.2701-01	1.0657-01	3.6130-04	1.0657-01	3.6130-04	5.2045-04	8.3148-03	7.6990+03	9.1225-05	3.0250+00
79	488.74	5.6416-01	9.6513-02	3.2867-04	9.6513-02	3.2867-04	4.7344-04	7.5638-03	7.0036+03	8.3003-05	3.4150+00
80	474.99	7.5376-01	1.2816-01	4.3159-04	1.2816-01	4.3159-04	6.2170-04	9.9324-03	9.1967+03	1.0894-04	2.2400+00
81	478.62	6.2857-01	1.0526-01	3.5549-04	1.0526-01	3.5549-04	5.1208-04	8.1811-03	7.5752+03	8.9741-05	2.6360+00
82	485.85	6.3013-01	1.0633-01	3.6126-04	1.0633-01	3.6126-04	5.2038-04	8.3138-03	7.6980+03	9.1223-05	3.0250+00
83	490.18	5.2675-01	8.9934-02	3.0662-04	8.9934-02	3.0662-04	4.4169-04	7.0565-03	6.5339+03	7.7441-05	3.4150+00
401	506.05	4.0222+01	3.4485+00	1.1913-02	3.4485+00	1.1913-02	1.7160-02	2.7415-01	2.5385+05	3.0106-03	4.4500-01
403	499.08	3.0148+01	2.5732+00	8.8379-03	2.5732+00	8.8379-03	1.2731-02	2.0339-01	1.8833+05	2.2329-03	6.8600-01
404	484.86	1.8362+01	1.5528+00	5.2713-03	1.5528+00	5.2713-03	7.5932-03	1.2131-01	1.1233+05	1.3310-03	8.0100-01
405	478.28	1.9487+01	1.6409+00	5.5404-03	1.6409+00	5.5404-03	7.9808-03	1.2750-01	1.1806+05	1.3986-03	1.0510+00
406	591.71	-2.5964-03	-2.3442-04	-8.7213-07	-2.3442-04	-8.7213-07	-1.2563-06	-2.0071-05	-1.8584+01	-2.2120-07	1.1670+00
407	523.29	7.2031+01	6.3539+00	2.2269-02	6.3539+00	2.2269-02	3.2079-02	5.1249-01	4.7453+05	5.6319-03	1.2830+00
408	493.05	2.7255+01	2.3173+00	7.9192-03	2.3173+00	7.9192-03	1.1408-02	1.8225-01	1.6875+05	2.0003-03	5.1300-01
409	484.63	2.0248+01	1.7324+00	5.8796-03	1.7324+00	5.8796-03	8.4695-03	1.3531-01	1.2529+05	1.4846-03	5.7000-01
410	483.78	1.7852+01	1.5265+00	5.1774-03	1.5265+00	5.1774-03	7.4580-03	1.1915-01	1.1033+05	1.3073-03	6.2800-01
411	482.03	1.8003+01	1.5377+00	5.2078-03	1.5377+00	5.2078-03	7.5018-03	1.1985-01	1.1097+05	1.3149-03	6.8600-01
412	484.98	2.1924+01	1.8762+00	6.3695-03	1.8762+00	6.3695-03	9.1752-03	1.4659-01	1.3573+05	1.6083-03	7.4400-01
413	482.29	1.9401+01	1.6573+00	5.6142-03	1.6573+00	5.6142-03	8.0872-03	1.2920-01	1.1963+05	1.4175-03	8.0100-01
414	477.88	1.5552+01	1.3092+00	4.4190-03	1.3092+00	4.4190-03	6.3655-03	1.0170-01	9.4164+04	1.1155-03	8.5900-01
415	473.07	1.3743+01	1.1601+00	3.9004-03	1.1601+00	3.9004-03	5.6185-03	8.9762-02	8.3114+04	9.8441-04	9.1700-01
416	487.35	2.0333+01	1.7020+00	5.7893-03	1.7020+00	5.7893-03	8.3395-03	1.3323-01	1.2337+05	1.4620-03	5.7000-01
417	480.35	2.5548+01	2.1797+00	7.3721-03	2.1797+00	7.3721-03	1.0619-02	1.6966-01	1.5709+05	1.8612-03	1.0520+00

172 4 11.88 -.12 .00 -.00 4C4 2 2.40 10.04 212.0 1651.5

8.07965+01 4.69915-03 3.31533-01 4.42178+03 4.87965-06 6.54452-08 2.76593-02 7.72000+00 6.72567-06 7.51207-02

1	549.57	7.1513+01	1.2225+01	4.3820-02	1.2225+01	4.3820-02	6.3122-02	1.0084+00	9.3375+05	1.1094-02	.0000+00
2	506.52	3.7703+01	5.6251+00	1.9440-02	5.6251+00	1.9440-02	2.8002-02	4.4737-01	4.1424+05	4.9129-03	1.1570-01
3	482.82	2.0851+01	3.3240+00	1.1265-02	3.3240+00	1.1265-02	1.6227-02	2.5925-01	2.4005+05	2.8443-03	2.5000-01
4	470.56	1.7308+01	2.7540+00	9.2409-03	2.7540+00	9.2409-03	1.3311-02	2.1266-01	1.9691+05	2.3320-03	4.8300-01
5	460.13	1.3818+01	2.1765+00	7.2423-03	2.1765+00	7.2423-03	1.0432-02	1.6667-01	1.5433+05	1.8269-03	8.7000-01
6	454.82	1.1392+01	1.8216+00	6.0356-03	1.8216+00	6.0356-03	8.6941-03	1.3890-01	1.2861+05	1.5222-03	1.2590+00
7	454.03	1.0054+01	1.6017+00	5.3038-03	1.6017+00	5.3038-03	7.6400-03	1.2206-01	1.1302+05	1.3376-03	1.6500+00
8	456.48	7.1631+00	1.1853+00	3.9326-03	1.1853+00	3.9326-03	5.6649-03	9.0503-02	8.3800+04	9.9189-04	1.7720+00
9	459.43	1.3314+00	2.2404-01	7.4506-04	2.2404-01	7.4506-04	1.0732-03	1.7146-02	1.5876+04	1.8794-04	1.9200+00
10	474.50	8.4623-01	1.4510-01	4.8844-04	1.4510-01	4.8844-04	7.0359-04	1.1241-02	1.0408+04	1.2328-04	2.2400+00
11	481.67	6.8675-01	1.1934-01	4.0408-04	1.1934-01	4.0408-04	5.8707-04	9.2992-03	8.6104+03	1.0202-04	2.6360+00
12	489.19	5.1377-01	8.9665-02	3.0478-04	8.9665-02	3.0478-04	4.3903-04	7.0140-03	6.4946+03	7.6972-05	3.0250+00
13	492.62	4.9039-01	8.5585-02	2.9238-04	8.5585-02	2.9238-04	4.2117-04	6.7288-03	6.2304+03	7.3851-05	3.4150+00
14	511.49	3.8340+01	5.7577+00	1.9981-02	5.7577+00	1.9981-02	2.8782-02	4.5982-01	4.2576+05	5.0506-03	1.1570-01
15	481.71	2.0266+01	3.2487+00	1.1000-02	3.2487+00	1.1000-02	1.5845-02	2.5315-01	2.3440+05	2.7772-03	2.5000-01
16	469.39	1.6688+01	2.6286+00	8.8118-03	2.6286+00	8.8118-03	1.2693-02	2.0279-01	1.8777+05	2.2236-03	4.8300-01
17	459.79	1.2674+01	2.0021+00	6.6602-03	2.0021+00	6.6602-03	9.5939-03	1.5327-01	1.4192+05	1.6800-03	8.7000-01
18	455.75	1.1450+01	1.8208+00	6.0374-03	1.8208+00	6.0374-03	8.6968-03	1.3894-01	1.2865+05	1.5227-03	1.2590+00
19	457.38	1.0269+01	1.6498+00	5.4775-03	1.6498+00	5.4775-03	7.8903-03	1.2606-01	1.1672+05	1.3816-03	1.6500+00
20	459.90	5.6681+00	9.4569-01	3.1461-03	9.4569-01	3.1461-03	4.5320-03	7.2404-02	6.7041+04	7.9363-04	1.7720+00
21	467.28	1.4152+01	2.2189+00	7.4258-03	2.2189+00	7.4258-03	1.0697-02	1.7089-01	1.5824+05	1.8737-03	4.8300-01
22	461.62	1.2825+01	2.0475+00	6.8210-03	2.0475+00	6.8210-03	9.8255-03	1.5697-01	1.4535+05	1.7207-03	8.7000-01
23	455.61	9.8338+00	1.5684+00	5.2000-03	1.5684+00	5.2000-03	7.4905-03	1.1967-01	1.1081+05	1.3115-03	1.2590+00
24	459.35	9.3875+00	1.5195+00	5.0529-03	1.5195+00	5.0529-03	7.2787-03	1.1629-01	1.0767+05	1.2746-03	1.6500+00
25	463.41	6.3304+00	1.0400+00	3.4695-03	1.0400+00	3.4695-03	4.9978-03	7.9846-02	7.3932+04	8.7532-04	1.7720+00
26	471.27	1.0571+00	1.7930-01	6.0199-04	1.7930-01	6.0199-04	8.6716-04	1.3854-02	1.2828+04	1.5192-04	1.9200+00
27	494.38	5.8182-01	1.0019-01	3.4278-04	1.0019-01	3.4278-04	4.9378-04	7.8887-03	7.3044+03	8.6588-05	3.0250+00
28	499.37	7.0701-01	1.2214-01	4.1961-04	1.2214-01	4.1961-04	6.0444-04	9.6567-03	8.9415+03	1.0602-04	3.4150+00
29	483.46	3.2436+01	5.1893+00	1.7596-02	5.1893+00	1.7596-02	2.5346-02	4.0494-01	3.7494+05	4.4427-03	8.7000-01
30	470.52	2.3375+01	3.7541+00	1.2596-02	3.7541+00	1.2596-02	1.8145-02	2.8989-01	2.6842+05	3.1788-03	1.2590+00
31	472.99	2.0026+01	3.2515+00	1.0932-02	3.2515+00	1.0932-02	1.5747-02	2.5157-01	2.3294+05	2.7589-03	1.6500+00
32	470.13	1.0012+01	1.6523+00	5.5422-03	1.6523+00	5.5422-03	7.9835-03	1.2755-01	1.1810+05	1.3986-03	1.7720+00
33	490.91	7.1221-01	1.2022-01	4.1014-04	1.2022-01	4.1014-04	5.9080-04	9.4387-03	8.7397+03	1.0359-04	2.2400+00
34	499.92	3.4286-01	5.8387-02	2.0067-04	5.8387-02	2.0067-04	2.8907-04	4.6182-03	4.2761+03	5.0701-05	3.0250+00
35	473.02	2.2469+01	3.3022+00	1.1102-02	3.3022+00	1.1102-02	1.5993-02	2.5550-01	2.3658+05	2.8021-03	1.1570-01
36	483.61	2.0545+01	3.2051+00	1.0869-02	3.2051+00	1.0869-02	1.5657-02	2.5014-01	2.3161+05	2.7444-03	1.2500+00
37	477.42	2.1190+00	3.5665-01	1.2034-03	3.5665-01	1.2034-03	1.7334-03	2.7694-02	2.5643+04	3.0377-04	1.9200+00
38	494.76	2.2852+00	3.9247-01	1.3432-03	3.9247-01	1.3432-03	1.9348-03	3.0911-02	2.8621+04	3.3929-04	2.2400+00
39	501.09	1.1595+00	2.0288-01	6.9795-04	2.0288-01	6.9795-04	1.0054-03	1.6062-02	1.4873+04	1.7635-04	3.0250+00
40	498.66	1.0919+00	1.8911-01	6.4928-04	1.8911-01	6.4928-04	9.3529-04	1.4942-02	1.3836+04	1.6404-04	3.4150+00
41	491.44	3.5916+01	5.7940+00	1.9775-02	5.7940+00	1.9775-02	2.8486-02	4.5509-01	4.2138+05	4.9946-03	8.7000-01
42	473.36	2.4331+01	3.9514+00	1.3289-02	3.9514+00	1.3289-02	1.9142-02	3.0582-01	2.8317+05	3.3539-03	1.2590+00
43	477.81	2.0690+01	3.3803+00	1.1409-02	3.3803+00	1.1409-02	1.6435-02	2.6257-01	2.4312+05	2.8801-03	1.6500+00
44	478.31	1.1735+01	1.9354+00	6.5351-03	1.9354+00	6.5351-03	9.4137-03	1.5039-01	1.3926+05	1.6497-03	1.7720+00
45	496.76	8.2234-01	1.3976-01	4.7908-04	1.3976-01	4.7908-04	6.9010-04	1.1025-02	1.0209+04	1.2103-04	2.2400+00
46	500.92	4.7377-01	8.1929-02	2.8182-04	8.1929-02	2.8182-04	4.0595-04	6.4856-03	6.0052+03	7.1206-05	3.0250+00
47	462.01	1.3061+01	2.0406+00	6.8003-03	2.0406+00	6.8003-03	9.7957-03	1.5650-01	1.4491+05	1.7155-03	8.7000-01
48	458.10	1.0075+01	1.6146+00	5.3637-03	1.6146+00	5.3637-03	7.7264-03	1.2344-01	1.1430+05	1.3529-03	1.2590+00
49	469.06	8.9345+00	1.4689+00	4.9230-03	1.4689+00	4.9230-03	7.0914-03	1.1329-01	1.0490+05	1.2423-03	1.6500+00
50	474.98	5.9070+00	9.7501-01	3.2833-03	9.7501-01	3.2833-03	4.7296-03	7.5560-02	6.9964+04	8.2872-04	1.7720+00
51	484.78	1.0052+00	1.7051-01	5.7879-04	1.7051-01	5.7879-04	8.3374-04	1.3320-02	1.2333+04	1.4615-04	1.9200+00
52	498.67	6.7065-01	1.1412-01	3.9180-04	1.1412-01	3.9180-04	5.6439-04	9.0167-03	8.3489+03	9.8987-05	2.2400+00
53	500.88	6.3221-01	1.0773-01	3.7055-04	1.0773-01	3.7055-04	5.3377-04	8.5276-03	7.8960+03	9.3625-05	2.6360+00
54	501.85	7.3299-01	1.2498-01	4.3023-04	1.2498-01	4.3023-04	6.1974-04	9.9011-03	9.1678+03	1.0871-04	3.0250+00
55	499.94	8.5143-01	1.4629-01	5.0279-04	1.4629-01	5.0279-04	7.2426-04	1.1571-02	1.0714+04	1.2703-04	3.4150+00
56	504.44	3.4967+01	5.2453+00	1.8096-02	5.2453+00	1.8096-02	2.6067-02	4.1644-01	3.8560+05	4.5729-03	1.1570-01
57	481.86	2.0590+01	3.2803+00	1.1108-02	3.2803+00	1.1108-02	1.6001-02	2.5564-01	2.3670+05	2.8045-03	2.5000-01
58	469.77	1.6824+01	2.6756+00	8.9723-03	2.6756+00	8.9723-03	1.2924-02	2.0648-01	1.9119+05	2.2642-03	4.8300-01
59	461.70	1.3044+01	2.0633+00	6.8742-03	2.0633+00	6.8742-03	9.9022-03	1.5820-01	1.4648+05	1.7342-03	8.7000-01
60	487.40	7.1377-01	1.1556-01	3.9310-04	1.1556-01	3.9310-04	5.6626-04	9.0466-03	8.3766+03	9.9270-05	1.2590+00
61	470.36	9.8577+00	1.5830+00	5.3109-03	1.5830+00	5.3109-03	7.6503-03	1.2222-01	1.1317+05	1.3403-03	1.6500+00
62	476.42	6.1236+00	1.0270+00	3.4623-03	1.0270+00	3.4623-03	4.9874-03	7.9679-02	7.3778+04	8.7395-04	1.7720+00
63	497.46	6.8156-01	1.1795-01	4.0455-04	1.1795-01	4.0455-04	5.8274-04	9.3100-03	8.6205+03	1.0220-04	2.2400+00
64	498.57	5.9688-01	1.0367-01	3.5590-04	1.0367-01	3.5590-04	5.1267-04	8.1905-03	7.5839+03	8.9916-05	3.0250+00
65	505.35	3.5829+01	5.3778+00	1.8567-02	5.3778+00	1.8567-02	2.6745-02	4.2728-01	3.9564+05	4.6920-03	1.1570-01
66	481.49	2.0678+01	3.2006+00	1.0835-02	3.2006+00	1.0835-02	1.5608-02	2.4935-01	2.3089+05	2.7356-03	2.5000-01
67	468.35	1.7286+01	2.7465+00	9.1992-03	2.7465+00	9.1992-03	1.3251-02	2.1171-01	1.9603+05	2.3213-03	4.8300-01
68	458.94	1.3873+01	2.1904+00	7.2814-03	2.1904+00	7.2814-03	1.0489-02	1.6757-01	1.5516+05	1.8367-03	8.7000-01
69	455.42	1.1353+01	1.8216+00	6.0387-03	1.8216+00	6.0387-03	8.6986-03	1.3897-01	1.2868+05	1.5230-03	1.2590+00
70	467.69	9.9730+00	1.6332+00	5.4675-03	1.6332+00	5.4675-03	7.8758-03	1.2583-01	1.1651+05	1.3796-03	1.6500+00
71	474.45	6.4945+00	1.0910+00	3.6722-03	1.0910+00	3.6722-03	5.2898-03	8.4510-02	7.8251+04	9.2686-04	1.7720+00
72	480.66	1.1730+00	1.9902-01	6.7330-04	1.9902-01	6.7330-04	9.6989-04	1.5495-02	1.4347+04	1.6998-04	1.9200+00
73	495.05	6.7377-01	1.1608-01	3.9734-04	1.1608-01	3.9734-04	5.7237-04	9.1443-03	8.4670+03	1.0037-04	2.2400+00
74	494.17	5.6000-01	9.6422-02	3.2983-04	9.6422-02	3.2983-04	4.7511-04	7.5905-03	7.0283+03	8.3314-05	3.0250+00
75	491.31	5.7403-01	9.8942-02	3.3765-04	9.8942-02	3.3765-04	4.8638-04	7.7706-03	7.1950+03	8.5281-05	3.4150+00
76	475.90	6.8572-01	1.1462-01	3.8626-04	1.1462-01	3.8626-04	5.5640-04	8.8891-03	8.2307+03	9.7497-05	2.6360+00
77	483.42	5.6156-01	9.5454-02	3.2365-04	9.5454-02	3.2365-04	4.6622-04	7.4483-03	6.8967+03	8.1719-05	3.0250+00
78	488.89	5.7195-01	9.7855-02	3.3328-04	9.7855-02	3.3328-04	4.8009-04	7.6700-03	7.1019+03	8.4169-05	3.4150+00
79	475.18	7.8805-01	1.3401-01	4.5135-04	1.3401-01	4.5135-04	6.5016-04	1.0387-02	9.6177+03	1.1392-04	2.2400+00
80	478.79	6.6649-01	1.1162-01	3.7703-04	1.1162-01	3.7703-04	5.4311-04	8.6768-03	8.0342+03	9.5179-05	2.6360+00
81	486.00	5.8753-01	9.9155-02	3.3691-04	9.9155-02	3.3691-04	4.8532-04	7.7535-03	7.1792+03	8.5076-05	3.0250+00
82	490.31	5.3091-01	9.0651-02	3.0910-04	9.0651-02	3.0910-04	4.4526-04	7.1136-03	6.5867+03	7.8067-05	3.4150+00
83	516.32	4.1197+01	3.5551+00	1.2387-02	3.5551+00	1.2387-02	1.7843-02	2.8506-01	2.6395+05	3.1317-03	4.4500-01
401	506.37	2.8540+01	2.4474+00	8.4568-03	2.4474+00	8.4568-03	1.2182-02	1.9462-01	1.8021+05	2.1372-03	6.8600-01
403	489.37	1.7964+01	1.5237+00	5.1914-03	1.5237+00	5.1914-03	7.4781-03	1.1947-01	1.1062+05	1.3111-03	8.0100-01
404	483.16	1.9427+01	1.6411+00	5.5633-03	1.6411+00	5.5633-03	8.0138-03	1.2803-01	1.1855+05	1.4047-03	1.0510+00
405	591.71	-3.1154-03	-2.8128-04	-1.0465-06	-2.8128-04	-1.0465-06	-1.5074-06	-2.4083-05	-2.2299+01	-2.6541-07	1.1670+00
406	540.70	6.8117+01	6.0735+00	2.1604-02	6.0735+00	2.1604-02	3.1121-02	4.9719-01	4.6037+05	5.4677-03	1.2830+00
407	500.08	2.8500+01	2.4342+00	8.3673-03	2.4342+00	8.3673-03	1.2053-02	1.9256-01	1.7830+05	2.1141-03	5.1300-01
408	489.80	2.0877+01	1.7923+00	6.1088-03	1.7923+00	6.1088-03	8.7996-03	1.4058-01	1.3017+05	1.5428-03	5.7000-01
409	488.38	1.8861+01	1.6176+00	5.5071-03	1.6176+00	5.5071-03	7.9329-03	1.2674-01	1.1735+05	1.3908-03	6.2800-01
410	486.67	1.8911+01	1.6201+00	5.5078-03	1.6201+00	5.5078-03	7.9340-03	1.2675-01	1.1737+05	1.3909-03	6.8600-01
411	490.57	2.2328+01	1.9178+00	6.5407-03	1.9178+00	6.5407-03	9.4218-03	1.5052-01	1.3938+05	1.6519-03	7.4400-01
412	487.16	1.9458+01	1.6676+00	5.6714-03	1.6676+00	5.6714-03	8.1695-03	1.3052-01	1.2085+05	1.4322-03	8.0100-01
413	481.62	1.5848+01	1.3376+00	4.5293-03	1.3376+00	4.5293-03	6.5244-03	1.0424-01	9.6515+04	1.1435-03	8.5900-01
414	476.60	1.4193+01	1.2008+00	4.0491-03	1.2008+00	4.0491-03	5.8327-03	9.3184-02	8.6282+04	1.0221-03	9.1700-01
415	492.55	2.1282+01	1.7875+00	6.1062-03	1.7875+00	6.1062-03	8.7959-03	1.4052-01	1.3012+05	1.5423-03	5.7000-01
416	486.75	2.5422+01	2.1781+00	7.4051-03	2.1781+00	7.4051-03	1.0667-02	1.7042-01	1.5780+05	1.8700-03	1.0520+00
417											

172 4 11.88 -.12 .00 -.00 404 2 2.65 10.04 212.0 1651.3

8.07875+01 4.69922-03 3.31538-01 4.42153+03 4.88027-06 6.54379-08 2.76643-02 7.72000+00 6.72481-06 7.51219-02

1	567.12	6.8881+01	1.1899+01	4.3310-02	1.1899+01	4.3310-02	6.2383-02	9.9671-01	9.2301+05	1.0975-02	.0000+00	
2	515.95	3.7623+01	5.6467+00	1.9669-02	5.6467+00	1.9669-02	2.8330-02	4.5264-01	4.1917+05	4.9734-03	1.1570-01	
3	487.98	2.0658+01	3.3044+00	1.1246-02	3.3044+00	1.1246-02	1.6199-02	2.5881-01	2.3967+05	2.8405-03	2.5000-01	
4	474.87	1.7182+01	2.7418+00	9.2322-03	2.7418+00	9.2322-03	1.3298-02	2.1246-01	1.9675+05	2.3306-03	4.8300-01	
5	463.58	1.3797+01	2.1784+00	7.2686-03	2.1784+00	7.2686-03	1.0470-02	1.6728-01	1.5491+05	1.8341-03	8.7000-01	
6	457.71	1.1617+01	1.8612+00	6.1810-03	1.8612+00	6.1810-03	8.9030-03	1.4225-01	1.3173+05	1.5593-03	1.2590+00	
7	456.57	1.0302+01	1.6441+00	5.4552-03	1.6441+00	5.4552-03	7.8576-03	1.2554-01	1.1626+05	1.3761-03	1.6500+00	
8	458.26	7.1377+00	1.1825+00	3.9290-03	1.1825+00	3.9290-03	5.6592-03	9.0419-02	8.3733+04	9.9117-04	1.7720+00	
9	459.76	1.3065+00	2.1989-01	7.3146-04	2.1989-01	7.3146-04	1.0536-03	1.6833-02	1.5589+04	1.8454-04	1.9200+00	
10	474.71	7.6208-01	1.3069-01	4.3999-04	1.3069-01	4.3999-04	6.3376-04	1.0126-02	9.3770+03	1.1107-04	2.2400+00	
11	481.85	7.0857-01	1.2315-01	4.1702-04	1.2315-01	4.1702-04	6.0067-04	9.5971-03	8.8874+03	1.0530-04	2.6360+00	
12	489.32	5.6208-01	9.7886-02	3.3350-04	9.7886-02	3.3350-04	4.8037-04	7.6751-03	7.1075+03	8.4239-05	3.0250+00	
13	492.75	5.3091-01	9.2664-02	3.1660-04	9.2664-02	3.1660-04	4.5603-04	7.2861-03	6.7473+03	7.9981-05	3.4150+00	
14	521.08	3.8282+01	5.7837+00	2.0233-02	5.7837+00	2.0233-02	2.9143-02	4.6563-01	4.3120+05	5.1172-03	1.1570-01	
15	486.77	2.0225+01	3.2529+00	1.1060-02	3.2529+00	1.1060-02	1.5930-02	2.5453-01	2.3570+05	2.7933-03	2.5000-01	
16	473.55	1.6619+01	2.6249+00	8.8290-03	2.6249+00	8.8290-03	1.2717-02	2.0319-01	1.8816+05	2.2287-03	4.8300-01	
17	462.99	1.2756+01	2.0195+00	6.7353-03	2.0195+00	6.7353-03	9.7014-03	1.5500-01	1.4354+05	1.6994-03	8.7000-01	
18	458.69	1.1698+01	1.8638+00	6.1947-03	1.8638+00	6.1947-03	8.9227-03	1.4256-01	1.3202+05	1.5628-03	1.2590+00	
19	459.93	1.0170+01	1.6369+00	5.4457-03	1.6369+00	5.4457-03	7.8439-03	1.2532-01	1.1606+05	1.3739-03	1.6500+00	
20	461.33	5.6779+00	9.4825-01	3.1583-03	9.4825-01	3.1583-03	4.5491-03	7.2683-02	6.7308+04	7.9685-04	1.7720+00	
21	470.82	1.4186+01	2.2296+00	7.4827-03	2.2296+00	7.4827-03	1.0778-02	1.7220-01	1.5947+05	1.8886-03	4.8300-01	
22	464.82	1.2807+01	2.0490+00	6.8436-03	2.0490+00	6.8436-03	9.8574-03	1.5749-01	1.4585+05	1.7269-03	8.7000-01	
23	458.14	9.9631+00	1.5918+00	5.2880-03	1.5918+00	5.2880-03	7.6168-03	1.2170-01	1.1270+05	1.3340-03	1.2590+00	
24	461.69	9.2899+00	1.5061+00	5.0176-03	1.5061+00	5.0176-03	7.2273-03	1.1547-01	1.0693+05	1.2660-03	1.6500+00	
25	464.98	6.2478+00	1.0275+00	3.4322-03	1.0275+00	3.4322-03	4.9437-03	7.8986-02	7.3146+04	8.6608-04	1.7720+00	
26	471.56	1.1345+00	1.9247-01	6.4634-04	1.9247-01	6.4634-04	9.3098-04	1.4875-02	1.3775+04	1.6314-04	1.9200+00	
27	494.53	6.3585-01	1.0951-01	3.7470-04	1.0951-01	3.7470-04	5.3971-04	8.6230-03	7.9854+03	9.4663-05	3.0250+00	
28	499.53	6.6390-01	1.1471-01	3.9411-04	1.1471-01	3.9411-04	5.6768-04	9.0699-03	8.3993+03	9.9589-05	3.4150+00	
29	491.41	3.1234+01	5.0230+00	1.7143-02	5.0230+00	1.7143-02	2.4692-02	3.9452-01	3.6535+05	4.3305-03	8.7000-01	
30	476.36	2.3381+01	3.7697+00	1.2708-02	3.7697+00	1.2708-02	1.8305-02	2.9246-01	2.7084+05	3.2083-03	1.2590+00	
31	478.01	2.0033+01	3.2634+00	1.1016-02	3.2634+00	1.1016-02	1.5868-02	2.5353-01	2.3478+05	2.7813-03	1.6500+00	
32	472.65	1.0113+01	1.6717+00	5.6188-03	1.6717+00	5.6188-03	8.0933-03	1.2931-01	1.1975+05	1.4183-03	1.7720+00	
33	491.07	7.0182-01	1.1848-01	4.0425-04	1.1848-01	4.0425-04	5.8228-04	9.3033-03	8.6153+03	1.0212-04	2.2400+00	
34	500.02	4.7689-01	8.1217-02	2.7916-04	8.1217-02	2.7916-04	4.0210-04	6.4244-03	5.9494+03	7.0543-05	3.0250+00	
35	478.64	2.2306+01	3.2906+00	1.1114-02	3.2906+00	1.1114-02	1.6008-02	2.5577-01	2.3686+05	2.8060-03	1.1570-01	
36	488.71	2.0560+01	3.2181+00	1.0959-02	3.2181+00	1.0959-02	1.5785-02	2.5220-01	2.3355+05	2.7680-03	1.2500+00	
37	477.95	2.2213+00	3.7401-01	1.2625-03	3.7401-01	1.2625-03	1.8185-03	2.9054-02	2.6906+04	3.1874-04	1.9200+00	
38	495.34	2.3584+00	4.0520-01	1.3874-03	4.0520-01	1.3874-03	1.9984-03	3.1928-02	2.9567+04	3.5052-04	2.2400+00	
39	501.38	1.2000+00	2.1001-01	7.2266-04	2.1001-01	7.2266-04	1.0409-03	1.6631-02	1.5401+04	1.8262-04	3.0250+00	
40	498.93	1.1408+00	1.9760-01	6.7859-04	1.9760-01	6.7859-04	9.7743-04	1.5617-02	1.4462+04	1.7147-04	3.4150+00	
41	500.20	3.4325+01	5.5688+00	1.9144-02	5.5688+00	1.9144-02	2.7575-02	4.4057-01	4.0799+05	4.8376-03	8.7000-01	
42	479.45	2.4260+01	3.9557+00	1.3369-02	3.9557+00	1.3369-02	1.9256-02	3.0766-01	2.8491+05	3.3755-03	1.2590+00	
43	482.99	2.0634+01	3.3826+00	1.1465-02	3.3826+00	1.1465-02	1.6514-02	2.6385-01	2.4434+05	2.8952-03	1.6500+00	
44	481.24	1.1791+01	1.9483+00	6.5944-03	1.9483+00	6.5944-03	9.4985-03	1.5176-01	1.4054+05	1.6651-03	1.7720+00	
45	496.96	8.4624-01	1.4384-01	4.9314-04	1.4384-01	4.9314-04	7.1032-04	1.1349-02	1.0510+04	1.2460-04	2.2400+00	
46	501.03	5.2000-01	8.9932-02	3.0937-04	8.9932-02	3.0937-04	4.4562-04	7.1198-03	6.5933+03	7.8181-05	3.0250+00	
47	465.27	1.3018+01	2.0384+00	6.8108-03	2.0384+00	6.8108-03	9.8101-03	1.5674-01	1.4515+05	1.7187-03	8.7000-01	
48	460.59	1.0020+01	1.6085+00	5.3541-03	1.6085+00	5.3541-03	7.7120-03	1.2322-01	1.1411+05	1.3508-03	1.2590+00	
49	471.29	8.9008+00	1.4656+00	4.9205-03	1.4656+00	4.9205-03	7.0874-03	1.1324-01	1.0486+05	1.2420-03	1.6500+00	
50	476.45	5.8732+00	9.7038-01	3.2716-03	9.7038-01	3.2716-03	4.7124-03	7.5291-02	6.9724+04	8.2594-04	1.7720+00	
51	485.04	1.0395+00	1.7636-01	5.9876-04	1.7636-01	5.9876-04	8.6244-04	1.3780-02	1.2761+04	1.5121-04	1.9200+00	
52	498.84	7.0805-01	1.2049-01	4.1376-04	1.2049-01	4.1376-04	5.9598-04	9.5221-03	8.8180+03	1.0455-04	2.2400+00	
53	501.02	6.2390-01	1.0632-01	3.6576-04	1.0632-01	3.6576-04	5.2683-04	8.4173-03	7.7949+03	9.2429-05	2.6360+00	
54	502.05	7.5896-01	1.2942-01	4.4561-04	1.2942-01	4.4561-04	6.4185-04	1.0255-02	9.4966+03	1.1261-04	3.0250+00	
55	500.16	8.4052-01	1.4443-01	4.9650-04	1.4443-01	4.9650-04	7.1515-04	1.1426-02	1.0581+04	1.2547-04	3.4150+00	
56	513.21	3.5080+01	5.2917+00	1.8390-02	5.2917+00	1.8390-02	2.6488-02	4.2321-01	3.9192+05	4.6495-03	1.1570-01	
57	487.00	2.0469+01	3.2721+00	1.1127-02	3.2721+00	1.1127-02	1.6027-02	2.5607-01	2.3713+05	2.8103-03	2.5000-01	
58	473.95	1.6652+01	2.6557+00	8.9354-03	2.6557+00	8.9354-03	1.2870-02	2.0563-01	1.9043+05	2.2556-03	4.8300-01	
59	464.97	1.3063+01	2.0709+00	6.9176-03	2.0709+00	6.9176-03	9.9640-03	1.5920-01	1.4743+05	1.7456-03	8.7000-01	
60	487.57	7.1896-01	1.1641-01	3.9606-04	1.1641-01	3.9606-04	5.7048-04	9.1147-03	8.4407+03	1.0003-04	1.2590+00	
61	472.82	9.8483+00	1.5841+00	5.3251-03	1.5841+00	5.3251-03	7.6702-03	1.2255-01	1.1349+05	1.3442-03	1.6500+00	
62	477.96	6.1990+00	1.0407+00	3.5128-03	1.0407+00	3.5128-03	5.0598-03	8.0842-02	7.4864+04	8.8689-04	1.7720+00	
63	497.63	7.0961-01	1.2281-01	4.2131-04	1.2281-01	4.2131-04	6.0684-04	9.6957-03	8.9787+03	1.0645-04	2.2400+00	
64	498.71	5.8078-01	1.0088-01	3.4637-04	1.0088-01	3.4637-04	4.9891-04	7.9712-03	7.3817+03	8.7522-05	3.0250+00	
65	514.32	3.5804+01	5.4048+00	1.8800-02	5.4048+00	1.8800-02	2.7079-02	4.3266-01	4.0066+05	4.7535-03	1.1570-01	
66	486.64	2.0612+01	3.2012+00	1.0883-02	3.2012+00	1.0883-02	1.5675-02	2.5045-01	2.3193+05	2.7486-03	2.5000-01	
67	472.66	1.7238+01	2.7469+00	9.2326-03	2.7469+00	9.2326-03	1.3299-02	2.1247-01	1.9676+05	2.3305-03	4.8300-01	
68	462.41	1.3808+01	2.1852+00	7.2843-03	2.1852+00	7.2843-03	1.0492-02	1.6764-01	1.5524+05	1.8379-03	8.7000-01	
69	458.34	1.1620+01	1.8682+00	6.2074-03	1.8682+00	6.2074-03	8.9411-03	1.4285-01	1.3229+05	1.5660-03	1.2590+00	
70	470.17	9.9299+00	1.6289+00	5.4638-03	1.6289+00	5.4638-03	7.8700-03	1.2574-01	1.1644+05	1.3790-03	1.6500+00	
71	476.05	6.3808+00	1.0730+00	3.6164-03	1.0730+00	3.6164-03	5.2090-03	8.3226-02	7.7072+04	9.1297-04	1.7720+00	
72	480.98	1.1486+00	1.9492-01	6.5959-04	1.9492-01	6.5959-04	9.5007-04	1.5179-02	1.4057+04	1.6655-04	1.9200+00	
73	495.21	7.0130-01	1.2083-01	4.1368-04	1.2083-01	4.1368-04	5.9586-04	9.5202-03	8.8162+03	1.0452-04	2.2400+00	
74	494.32	6.1819-01	1.0645-01	3.6418-04	1.0645-01	3.6418-04	5.2455-04	8.3809-03	7.7612+03	9.2005-05	3.0250+00	
75	491.43	5.8806-01	1.0137-01	3.4597-04	1.0137-01	3.4597-04	4.9833-04	7.9619-03	7.3732+03	8.7395-05	3.4150+00	
76	476.07	6.0312-01	1.0082-01	3.3982-04	1.0082-01	3.3982-04	4.8947-04	7.8203-03	7.2421+03	8.5788-05	2.6360+00	
77	483.55	6.0935-01	1.0359-01	3.5126-04	1.0359-01	3.5126-04	5.0596-04	8.0838-03	7.4861+03	8.8704-05	3.0250+00	
78	489.03	5.6052-01	9.5909-02	3.2669-04	9.5909-02	3.2669-04	4.7056-04	7.5182-03	6.9623+03	8.2516-05	3.4150+00	
79	475.36	7.6624-01	1.3032-01	4.3897-04	1.3032-01	4.3897-04	6.3229-04	1.0102-02	9.3552+03	1.1082-04	2.2400+00	
80	478.96	6.4519-01	1.0806-01	3.6507-04	1.0806-01	3.6507-04	5.2585-04	8.4016-03	7.7803+03	9.2175-05	2.6360+00	
81	486.14	5.4546-01	9.2062-02	3.1284-04	9.2062-02	3.1284-04	4.5062-04	7.1996-03	6.6673+03	7.9011-05	3.0250+00	
82	490.46	5.2831-01	9.0216-02	3.0766-04	9.0216-02	3.0766-04	4.4315-04	7.0803-03	6.5567+03	7.7714-05	3.4150+00	
83	526.72	4.1569+01	3.6105+00	1.2691-02	3.6105+00	1.2691-02	1.8280-02	2.9206-01	2.7047+05	3.2105-03	4.4500-01	
401	513.30	2.7256+01	2.3475+00	8.1587-03	2.3475+00	8.1587-03	1.1752-02	1.8776-01	1.7388+05	2.0628-03	6.8600-01	
403	493.81	1.7745+01	1.5095+00	5.1619-03	1.5095+00	5.1619-03	7.4352-03	1.1879-01	1.1001+05	1.3041-03	8.0100-01	
404	487.97	1.9212+01	1.6281+00	5.5407-03	1.6281+00	5.5407-03	7.9808-03	1.2751-01	1.1808+05	1.3994-03	1.0510+00	
405	591.71	-3.1142-03	-2.8117-04	-1.0461-06	-2.8117-04	-1.0461-06	-1.5067-06	-2.4073-05	-2.2293+01	-2.6535-07	1.1670+00	
406	557.27	6.4758+01	5.8320+00	2.1045-02	5.8320+00	2.1045-02	3.0313-02	4.8432-01	4.4851+05	5.3307-03	1.2830+00	
407	507.37	2.9331+01	2.5169+00	8.7040-03	2.5169+00	8.7040-03	1.2537-02	2.0031-01	1.8550+05	2.2001-03	5.1300-01	
408	495.09	2.1597+01	1.8604+00	6.3686-03	1.8604+00	6.3686-03	9.1732-03	1.4656-01	1.3573+05	1.6090-03	5.7000-01	
409	493.23	1.9768+01	1.7008+00	5.8133-03	1.7008+00	5.8133-03	8.3735-03	1.3379-01	1.2389+05	1.4686-03	6.2800-01	
410	491.51	1.9639+01	1.6878+00	5.7608-03	1.6878+00	5.7608-03	8.2978-03	1.3258-01	1.2277+05	1.4552-03	6.8600-01	
411	496.17	2.2383+01	1.9295+00	6.6109-03	1.9295+00	6.6109-03	9.5222-03	1.5214-01	1.4089+05	1.6703-03	7.4400-01	
412	492.02	1.9321+01	1.6610+00	5.6717-03	1.6610+00	5.6717-03	8.1694-03	1.3053-01	1.2087+05	1.4328-03	8.0100-01	
413	485.80	1.5946+01	1.3494+00	4.5843-03	1.3494+00	4.5843-03	6.6032-03	1.0550-01	9.7700+04	1.1578-03	8.5900-01	
414	480.19	1.4371+01	1.2188+00	4.1218-03	1.2188+00	4.1218-03	5.9369-03	9.4856-02	8.7842+04	1.0407-03	9.1700-01	
415	497.98	2.2069+01	1.8601+00	6.3828-03	1.8601+00	6.3828-03	9.1936-03	1.4689-01	1.3603+05	1.6128-03	5.7000-01	
416	493.05	2.5110+01	2.1602+00	7.3825-03	2.1602+00	7.3825-03	1.0634-02	1.6990-01	1.5733+05	1.8650-03	1.0520+00	
417												

172 4 11.88 -.12 .00 -.00 404 2 3.15 10.04 212.0 1651.3

8.07875+01 4.69922-03 3.31538-01 4.42153+03 4.88027-06 6.54379-08 2.76643-02 7.72000+00 6.72481-06 7.51219-02

1	600.27	6.3889+01	1.1250+01	4.2186-02	1.1250+01	4.2186-02	6.0764-02	9.7085-01	8.9906+05	1.0703-02	.0000+00
2	534.69	3.7225+01	5.6525+00	2.0007-02	5.6525+00	2.0007-02	2.8818-02	4.6043-01	4.2638+05	5.0621-03	1.1570-01
3	498.21	2.0554+01	3.3097+00	1.1361-02	3.3097+00	1.1361-02	1.6364-02	2.6145-01	2.4212+05	2.8702-03	2.5000-01
4	483.43	1.7063+01	2.7384+00	9.2864-03	2.7384+00	9.2864-03	1.3376-02	2.1371-01	1.9791+05	2.3447-03	4.8300-01
5	470.47	1.3731+01	2.1780+00	7.3087-03	2.1780+00	7.3087-03	1.0527-02	1.6820-01	1.5576+05	1.8444-03	8.7000-01
6	463.53	1.1618+01	1.8687+00	6.2359-03	1.8687+00	6.2359-03	8.9821-03	1.4351-01	1.3290+05	1.5732-03	1.2590+00
7	461.83	1.0420+01	1.6689+00	5.5615-03	1.6689+00	5.5615-03	8.0107-03	1.2799-01	1.1852+05	1.4030-03	1.6500+00
8	461.82	7.0369+00	1.1687+00	3.8945-03	1.1687+00	3.8945-03	5.6096-03	8.9626-02	8.2999+04	9.8247-04	1.7720+00
9	460.41	1.2982+00	2.1859-01	7.2762-04	2.1859-01	7.2762-04	1.0480-03	1.6745-02	1.5507+04	1.8354-04	1.9200+00
10	475.06	8.0416-01	1.3794-01	4.6460-04	1.3794-01	4.6460-04	6.6921-04	1.0692-02	9.9015+03	1.1727-04	2.2400+00
11	482.17	6.7948-01	1.1812-01	4.0016-04	1.1812-01	4.0016-04	5.7638-04	9.2090-03	8.5280+03	1.0103-04	2.6360+00
12	489.62	5.7662-01	1.0044-01	3.4234-04	1.0044-01	3.4234-04	4.9310-04	7.8784-03	7.2958+03	8.6457-05	3.0250+00
13	493.02	5.3143-01	9.2771-02	3.1709-04	9.2771-02	3.1709-04	4.5673-04	7.2973-03	6.7577+03	8.0091-05	3.4150+00
14	540.12	3.7604+01	5.7485+00	2.0442-02	5.7485+00	2.0442-02	2.9444-02	4.7043-01	4.3564+05	5.1732-03	1.1570-01
15	496.85	2.0142+01	3.2607+00	1.1180-02	3.2607+00	1.1180-02	1.6104-02	2.5730-01	2.3827+05	2.8244-03	2.5000-01
16	481.82	1.6351+01	2.5968+00	8.7948-03	2.5968+00	8.7948-03	1.2668-02	2.0240-01	1.8743+05	2.2204-03	4.8300-01
17	469.36	1.2797+01	2.0346+00	6.8216-03	2.0346+00	6.8216-03	9.8257-03	1.5699-01	1.4538+05	1.7214-03	8.7000-01
18	464.52	1.1620+01	1.8588+00	6.2078-03	1.8588+00	6.2078-03	8.9417-03	1.4286-01	1.3230+05	1.5662-03	1.2590+00
19	464.97	1.0101+01	1.6312+00	5.4496-03	1.6312+00	5.4496-03	7.8496-03	1.2542-01	1.1614+05	1.3749-03	1.6500+00
20	464.21	5.7517+00	9.6243-01	3.2134-03	9.6243-01	3.2134-03	4.6286-03	7.3952-02	6.8484+04	8.1073-04	1.7720+00
21	477.93	1.4382+01	2.2710+00	7.6672-03	2.2710+00	7.6672-03	1.1044-02	1.7645-01	1.6340+05	1.9354-03	4.8300-01
22	471.22	1.2700+01	2.0406+00	6.8518-03	2.0406+00	6.8518-03	9.8693-03	1.5768-01	1.4602+05	1.7291-03	8.7000-01
23	463.11	9.8099+00	1.5725+00	5.2459-03	1.5725+00	5.2459-03	7.5561-03	1.2073-01	1.1180+05	1.3234-03	1.2590+00
24	466.30	9.2068+00	1.4972+00	5.0074-03	1.4972+00	5.0074-03	7.2126-03	1.1524-01	1.0672+05	1.2634-03	1.6500+00
25	468.05	6.1719+00	1.0171+00	3.4065-03	1.0171+00	3.4065-03	4.9066-03	7.8394-02	7.2597+04	8.5955-04	1.7720+00
26	472.12	1.1512+00	1.9536-01	6.5646-04	1.9536-01	6.5646-04	9.4556-04	1.5107-02	1.3990+04	1.6567-04	1.9200+00
27	494.87	6.7532-01	1.1633-01	3.9822-04	1.1633-01	3.9822-04	5.7360-04	9.1645-03	8.4868+03	1.0059-04	3.0250+00
28	499.86	6.9974-01	1.2093-01	4.1566-04	1.2093-01	4.1566-04	5.9871-04	9.5658-03	8.8585+03	1.0502-04	3.4150+00
29	506.47	2.9108+01	4.7266+00	1.6336-02	4.7266+00	1.6336-02	2.3531-02	3.7596-01	3.4816+05	4.1286-03	8.7000-01
30	488.08	2.3337+01	3.7917+00	1.2908-02	3.7917+00	1.2908-02	1.8592-02	2.9705-01	2.7508+05	3.2596-03	1.2590+00
31	487.96	1.9738+01	3.2364+00	1.1016-02	3.2364+00	1.1016-02	1.5868-02	2.5352-01	2.3477+05	2.7819-03	1.6500+00
32	477.73	1.0232+01	1.6971+00	5.7286-03	1.6971+00	5.7286-03	8.2514-03	1.3184-01	1.2209+05	1.4461-03	1.7720+00
33	491.44	8.1455-01	1.3755-01	4.6952-04	1.3755-01	4.6952-04	6.7629-04	1.0805-02	1.0006+04	1.1859-04	2.2400+00
34	500.33	5.4857-01	9.3443-02	3.2132-04	9.3443-02	3.2132-04	4.6282-04	7.3947-03	6.8479+03	8.1184-05	3.0250+00
35	489.73	2.1935+01	3.2594+00	1.1111-02	3.2594+00	1.1111-02	1.6003-02	2.5569-01	2.3678+05	2.8060-03	1.1570-01
37	499.01	2.0465+01	3.2247+00	1.1077-02	3.2247+00	1.1077-02	1.5955-02	2.5491-01	2.3606+05	2.7985-03	1.2500+00
38	479.13	2.4151+00	4.0695-01	1.3752-03	4.0695-01	1.3752-03	1.9809-03	3.1649-02	2.9308+04	3.4717-04	1.9200+00
39	496.53	2.3797+00	4.0917-01	1.4026-03	4.0917-01	1.4026-03	2.0203-03	3.2279-02	2.9892+04	3.5432-04	2.2400+00
40	502.01	1.2644+00	2.2137-01	7.6228-04	2.2137-01	7.6228-04	1.0980-03	1.7543-02	1.6245+04	1.9261-04	3.0250+00
41	499.51	1.1392+00	1.9740-01	6.7835-04	1.9740-01	6.7835-04	9.7708-04	1.5611-02	1.4457+04	1.7138-04	3.4150+00
42	516.61	3.1445+01	5.1550+00	1.7969-02	5.1550+00	1.7969-02	2.5882-02	4.1352-01	3.8294+05	4.5430-03	8.7000-01
43	491.51	2.3898+01	3.9275+00	1.3407-02	3.9275+00	1.3407-02	1.9312-02	3.0855-01	2.8573+05	3.3863-03	1.2590+00
44	493.25	2.0289+01	3.3485+00	1.1447-02	3.3485+00	1.1447-02	1.6488-02	2.6344-01	2.4396+05	2.8914-03	1.6500+00
45	487.17	1.1754+01	1.9499+00	6.6327-03	1.9499+00	6.6327-03	9.5537-03	1.5264-01	1.4135+05	1.6749-03	1.7720+00
46	497.38	8.6442-01	1.4696-01	5.0413-04	1.4696-01	5.0413-04	7.2614-04	1.1602-02	1.0744+04	1.2736-04	2.2400+00
47	501.34	5.7506-01	9.9474-02	3.4234-04	9.9474-02	3.4234-04	4.9311-04	7.8785-03	7.2959+03	8.6499-05	3.0250+00
48	471.69	1.2692+01	1.9959+00	6.7043-03	1.9959+00	6.7043-03	9.6568-03	1.5429-01	1.4288+05	1.6920-03	8.7000-01
49	465.60	9.9553+00	1.6035+00	5.3597-03	1.6035+00	5.3597-03	7.7201-03	1.2335-01	1.1423+05	1.3523-03	1.2590+00
50	475.70	8.7455+00	1.4442+00	4.8669-03	1.4442+00	4.8669-03	7.0103-03	1.1201-01	1.0372+05	1.2285-03	1.6500+00
51	479.37	5.7408+00	9.5032-01	3.2121-03	9.5032-01	3.2121-03	4.6267-03	7.3922-02	6.8456+04	8.1089-04	1.7720+00
52	485.62	5.2104-01	8.8433-02	3.0043-04	8.8433-02	3.0043-04	4.3274-04	6.9140-03	6.4027+03	7.5862-05	1.9200+00
53	499.22	7.4545-01	1.2689-01	4.3593-04	1.2689-01	4.3593-04	6.2791-04	1.0032-02	9.2904+03	1.1014-04	2.2400+00
54	501.38	7.7195-01	1.3158-01	4.5286-04	1.3158-01	4.5286-04	6.5229-04	1.0422-02	9.6512+03	1.1442-04	2.6360+00
55	502.39	6.6338-01	1.1315-01	3.8975-04	1.1315-01	3.8975-04	5.6139-04	8.9695-03	8.3062+03	9.8481-05	3.0250+00
56	500.54	8.3325-01	1.4322-01	4.9256-04	1.4322-01	4.9256-04	7.0948-04	1.1336-02	1.0497+04	1.2445-04	3.4150+00
57	530.73	3.4970+01	5.3332+00	1.8813-02	5.3332+00	1.8813-02	2.7098-02	4.3296-01	4.0094+05	4.7593-03	1.1570-01
58	497.17	2.0287+01	3.2644+00	1.1196-02	3.2644+00	1.1196-02	1.6126-02	2.5766-01	2.3860+05	2.8284-03	2.5000-01
59	482.17	1.6357+01	2.6228+00	8.8854-03	2.6228+00	8.8854-03	1.2798-02	2.0448-01	1.8936+05	2.2433-03	4.8300-01
60	471.50	1.3036+01	2.0756+00	6.9709-03	2.0756+00	6.9709-03	1.0041-02	1.6042-01	1.4856+05	1.7592-03	8.7000-01
61	487.93	7.6104-01	1.2326-01	4.1953-04	1.2326-01	4.1953-04	6.0429-04	9.6549-03	8.9410+03	1.0595-04	1.2590+00
62	477.74	9.7792+00	1.5781+00	5.3271-03	1.5781+00	5.3271-03	7.6731-03	1.2259-01	1.1353+05	1.3447-03	1.6500+00
63	481.07	6.2171+00	1.0459+00	3.5399-03	1.0459+00	3.5399-03	5.0988-03	8.1466-02	7.5442+04	8.9370-04	1.7720+00
64	497.96	7.0805-01	1.2257-01	4.2065-04	1.2257-01	4.2065-04	6.0590-04	9.6807-03	8.9648+03	1.0627-04	2.2400+00
65	499.01	6.0156-01	1.0451-01	3.5898-04	1.0451-01	3.5898-04	5.1707-04	8.2613-03	7.6504+03	9.0694-05	3.0250+00
66	532.20	3.5631+01	5.4388+00	1.9210-02	5.4388+00	1.9210-02	2.7670-02	4.4208-01	4.0939+05	4.8599-03	1.1570-01
67	496.92	2.0544+01	3.2121+00	1.1014-02	3.2121+00	1.1014-02	1.5865-02	2.5347-01	2.3473+05	2.7824-03	2.5000-01
68	481.23	1.7014+01	2.7264+00	9.2293-03	2.7264+00	9.2293-03	1.3294-02	2.1240-01	1.9669+05	2.3301-03	4.8300-01
69	469.29	1.3669+01	2.1731+00	7.2855-03	2.1731+00	7.2855-03	1.0494-02	1.6766-01	1.5527+05	1.8384-03	8.7000-01
70	464.12	1.1503+01	1.8565+00	6.1983-03	1.8565+00	6.1983-03	8.9279-03	1.4264-01	1.3210+05	1.5638-03	1.2590+00
71	475.13	9.8836+00	1.6266+00	5.4791-03	1.6266+00	5.4791-03	7.8921-03	1.2609-01	1.1677+05	1.3829-03	1.6500+00
72	479.26	6.4410+00	1.0854+00	3.6685-03	1.0854+00	3.6685-03	5.2840-03	8.4424-02	7.8181+04	9.2608-04	1.7720+00
73	481.50	1.1475+00	1.9481-01	6.5961-04	1.9481-01	6.5961-04	9.5010-04	1.5180-02	1.4057+04	1.6653-04	1.9200+00
74	495.96	7.4494-01	1.2838-01	4.3971-04	1.2838-01	4.3971-04	6.3336-04	1.0119-02	9.3711+03	1.1108-04	2.2400+00
75	494.61	5.1636-01	8.8934-02	3.0437-04	8.8934-02	3.0437-04	4.3841-04	7.0047-03	6.4867+03	7.6884-05	3.0250+00
76	491.76	5.5065-01	9.4941-02	3.2417-04	9.4941-02	3.2417-04	4.6693-04	7.4603-03	6.9086+03	8.1876-05	3.4150+00
77	476.34	6.3169-01	1.0562-01	3.5611-04	1.0562-01	3.5611-04	5.1294-04	8.1954-03	7.5894+03	8.9888-05	2.6360+00
78	483.85	5.8234-01	9.9014-02	3.3589-04	9.9014-02	3.3589-04	4.8382-04	7.7301-03	7.1585+03	8.4810-05	3.0250+00
79	489.30	5.5740-01	9.5392-02	3.2505-04	9.5392-02	3.2505-04	4.6820-04	7.4806-03	6.9274+03	8.2091-05	3.4150+00
80	475.74	8.0468-01	1.3689-01	4.6132-04	1.3689-01	4.6132-04	6.6448-04	1.0617-02	9.8316+03	1.1644-04	2.2400+00
81	479.24	6.6338-01	1.1113-01	3.7558-04	1.1113-01	3.7558-04	5.4098-04	8.6433-03	8.0042+03	9.4812-05	2.6360+00
82	486.38	5.6779-01	9.5847-02	3.2582-04	9.5847-02	3.2582-04	4.6931-04	7.4984-03	6.9439+03	8.2276-05	3.0250+00
83	490.70	5.1740-01	8.8367-02	3.0146-04	8.8367-02	3.0146-04	4.3422-04	6.9377-03	6.4247+03	7.6137-05	3.4150+00
401	547.55	4.1593+01	3.6590+00	1.3095-02	3.6590+00	1.3095-02	1.8862-02	3.0136-01	2.7907+05	3.3150-03	4.4500-01
403	526.40	2.5352+01	2.2016+00	7.7377-03	2.2016+00	7.7377-03	1.1145-02	1.7807-01	1.6490+05	1.9571-03	6.8600-01
404	502.58	1.7433+01	1.4913+00	5.1377-03	1.4913+00	5.1377-03	7.4002-03	1.1824-01	1.0949+05	1.2982-03	8.0100-01
405	497.57	1.9169+01	1.6345+00	5.6078-03	1.6345+00	5.6078-03	8.0774-03	1.2905-01	1.1951+05	1.4167-03	1.0510+00
406	591.71	-3.1169-03	-2.8141-04	-1.0471-06	-2.8141-04	-1.0471-06	-1.5083-06	-2.4098-05	-2.2316+01	-2.6558-07	1.1670+00
407	588.06	5.8663+01	5.3793+00	1.9951-02	5.3793+00	1.9951-02	2.8737-02	4.5913-01	4.2518+05	5.0592-03	1.2830+00
408	522.38	3.0510+01	2.6428+00	9.2570-03	2.6428+00	9.2570-03	1.3334-02	2.1304-01	1.9728+05	2.3410-03	5.1300-01
409	506.30	2.2908+01	1.9875+00	6.8685-03	1.9875+00	6.8685-03	9.8933-03	1.5807-01	1.4638+05	1.7358-03	5.7000-01
410	503.49	2.0990+01	1.8179+00	6.2675-03	1.8179+00	6.2675-03	9.0276-03	1.4424-01	1.3357+05	1.5837-03	6.2800-01
411	501.59	2.0582+01	1.7804+00	6.1286-03	1.7804+00	6.1286-03	8.8276-03	1.4104-01	1.3061+05	1.5485-03	6.8600-01
412	507.34	2.2419+01	1.9465+00	6.7323-03	1.9465+00	6.7323-03	9.6972-03	1.5493-01	1.4348+05	1.7015-03	7.4400-01
413	501.68	1.9228+01	1.6634+00	5.7262-03	1.6634+00	5.7262-03	8.2480-03	1.3178-01	1.2204+05	1.4469-03	8.0100-01
414	493.82	1.6156+01	1.3743+00	4.7005-03	1.3743+00	4.7005-03	6.7706-03	1.0818-01	1.0018+05	1.1873-03	8.5900-01
415	487.46	1.4623+01	1.2461+00	4.2399-03	1.2461+00	4.2399-03	6.1070-03	9.7574-02	9.0359+04	1.0707-03	9.1700-01
416	509.44	2.3635+01	2.0067+00	6.9528-03	2.0067+00	6.9528-03	1.0015-02	1.6001-01	1.4818+05	1.7573-03	5.7000-01
417	505.50	2.4486+01	2.1234+00	7.3332-03	2.1234+00	7.3332-03	1.0563-02	1.6876-01	1.5628+05	1.8532-03	1.0520+00

173 4 6.81 -5.19 .00 -.00 404 2 1.85 10.04 217.3 1636.7

7.99906+01 4.81738-03 3.39979-01 4.40034+03 5.05283-06 6.47923-08 2.87893-02 7.72000+00 6.64910-06 7.52277-02

1	499.27	7.7192+01	1.2789+01	4.4561-02	1.2789+01	4.4561-02	6.2291-02	1.0046+00	9.6048+05	1.1244-02	.0000+00	
2	477.84	4.3304+01	6.3416+00	2.1706-02	6.3416+00	2.1706-02	3.0342-02	4.8937-01	4.6786+05	5.4722-03	1.1570-01	
3	460.12	2.5525+01	4.0081+00	1.3522-02	4.0081+00	1.3522-02	1.8902-02	3.0485-01	2.9145+05	3.4066-03	2.5000-01	
4	447.87	2.0708+01	3.2449+00	1.0839-02	3.2449+00	1.0839-02	1.5152-02	2.4437-01	2.3363+05	2.7295-03	4.8300-01	
5	436.94	1.7170+01	2.6619+00	8.8144-03	2.6619+00	8.8144-03	1.2322-02	1.9872-01	1.8999+05	2.2187-03	8.7000-01	
6	430.78	1.4446+01	2.2718+00	7.4861-03	2.2718+00	7.4861-03	1.0465-02	1.6878-01	1.6136+05	1.8839-03	1.2590+00	
7	427.33	1.2594+01	1.9696+00	6.4727-03	1.9696+00	6.4727-03	9.0481-03	1.4593-01	1.3951+05	1.6286-03	1.6500+00	
8	426.93	9.3792+00	1.5206+00	4.9956-03	1.5206+00	4.9956-03	6.9833-03	1.1263-01	1.0768+05	1.2569-03	1.7720+00	
9	427.87	1.9725+00	3.2475-01	1.0677-03	3.2475-01	1.0677-03	1.4925-03	2.4071-02	2.3013+04	2.6865-04	1.9200+00	
10	442.33	1.3465+00	2.2590-01	7.5127-04	2.2590-01	7.5127-04	1.0502-03	1.6938-02	1.6193+04	1.8914-04	2.2400+00	
11	451.31	1.1891+00	2.0248-01	6.7822-04	2.0248-01	6.7822-04	9.4809-04	1.5291-02	1.4619+04	1.7081-04	2.6360+00	
12	465.44	1.0171+00	1.7436-01	5.9077-04	1.7436-01	5.9077-04	8.2584-04	1.3319-02	1.2734+04	1.4887-04	3.0250+00	
13	476.82	1.0203+00	1.7623-01	6.0268-04	1.7623-01	6.0268-04	8.4248-04	1.3588-02	1.2990+04	1.5194-04	3.4150+00	
14	482.02	4.2975+01	6.3322+00	2.1749-02	6.3322+00	2.1749-02	3.0402-02	4.9033-01	4.6878+05	5.4840-03	1.1570-01	
15	458.04	2.3605+01	3.7246+00	1.2544-02	3.7246+00	1.2544-02	1.7535-02	2.8281-01	2.7038+05	3.1600-03	2.5000-01	
16	445.77	1.9655+01	3.0467+00	1.0160-02	3.0467+00	1.0160-02	1.4203-02	2.2906-01	2.1899+05	2.5582-03	4.8300-01	
17	436.44	1.5765+01	2.4508+00	8.1123-03	2.4508+00	8.1123-03	1.1340-02	1.8289-01	1.7486+05	2.0419-03	8.7000-01	
18	430.97	1.4286+01	2.2331+00	7.3598-03	2.2331+00	7.3598-03	1.0288-02	1.6593-01	1.5864+05	1.8521-03	1.2590+00	
19	431.06	1.2480+01	1.9690+00	6.4898-03	1.9690+00	6.4898-03	9.0720-03	1.4631-01	1.3988+05	1.6331-03	1.6500+00	
20	431.09	7.0421+00	1.1518+00	3.7965-03	1.1518+00	3.7965-03	5.3071-03	8.5594-02	8.1831+04	9.5539-04	1.7720+00	
21	444.46	1.7017+01	2.6271+00	8.7518-03	2.6271+00	8.7518-03	1.2234-02	1.9731-01	1.8864+05	2.2035-03	4.8300-01	
22	436.54	1.5502+01	2.4326+00	8.0528-03	2.4326+00	8.0528-03	1.1257-02	1.8155-01	1.7357+05	2.0269-03	8.7000-01	
23	431.67	1.3610+01	2.1350+00	7.0404-03	2.1350+00	7.0404-03	9.8417-03	1.5873-01	1.5175+05	1.7718-03	1.2590+00	
24	434.57	1.1978+01	1.9060+00	6.2995-03	1.9060+00	6.2995-03	8.8061-03	1.4203-01	1.3578+05	1.5855-03	1.6500+00	
25	437.00	8.5392+00	1.3777+00	4.5623-03	1.3777+00	4.5623-03	6.3776-03	1.0286-01	9.8337+04	1.1484-03	1.7720+00	
26	446.55	1.5678+00	2.6150-01	8.7260-04	2.6150-01	8.7260-04	1.2198-03	1.9673-02	1.8808+04	2.1972-04	1.9200+00	
27	474.92	9.2935-01	1.5801-01	5.3955-04	1.5801-01	5.3955-04	7.5423-04	1.2164-02	1.1630+04	1.3601-04	3.0250+00	
28	491.51	8.9714-01	1.5421-01	5.3382-04	1.5421-01	5.3382-04	7.4623-04	1.2035-02	1.1506+04	1.3466-04	3.4150+00	
29	438.34	1.6981+01	2.6352+00	8.7359-03	2.6352+00	8.7359-03	1.2212-02	1.9695-01	1.8830+05	2.1990-03	8.7000-01	
30	432.52	1.1045+01	1.7284+00	5.7034-03	1.7284+00	5.7034-03	7.9727-03	1.2858-01	1.2293+05	1.4353-03	1.2590+00	
31	437.79	1.1447+01	1.8146+00	6.0128-03	1.8146+00	6.0128-03	8.4052-03	1.3556-01	1.2960+05	1.5135-03	1.6500+00	
32	443.14	7.5527+00	1.2237+00	4.0723-03	1.2237+00	4.0723-03	5.6927-03	9.1812-02	8.7777+04	1.0253-03	1.7720+00	
33	476.21	9.4701-01	1.5833-01	5.4119-04	1.5833-01	5.4119-04	7.5652-04	1.2201-02	1.1665+04	1.3643-04	2.2400+00	
34	490.29	7.3506-01	1.2440-01	4.3021-04	1.2440-01	4.3021-04	6.0139-04	9.6993-03	9.2729+03	1.0851-04	3.0250+00	
35	443.21	2.8766+01	4.1431+00	1.3788-02	4.1431+00	1.3788-02	1.9274-02	3.1086-01	2.9719+05	3.4714-03	1.1570-01	
36	456.96	2.0699+01	3.1722+00	1.0674-02	3.1722+00	1.0674-02	1.4921-02	2.4065-01	2.3008+05	2.6889-03	1.2500+00	
37	461.92	1.7860+00	2.9751-01	1.0051-03	2.9751-01	1.0051-03	1.4051-03	2.2661-02	2.1665+04	2.5325-04	1.9200+00	
38	484.72	1.2280+00	2.0954-01	7.2129-04	2.0954-01	7.2129-04	1.0083-03	1.6262-02	1.5547+04	1.8189-04	2.2400+00	
39	490.98	9.5376-01	1.6580-01	5.7370-04	1.6580-01	5.7370-04	8.0197-04	1.2934-02	1.2366+04	1.4471-04	3.0250+00	
40	487.39	8.5402-01	1.4683-01	5.0654-04	1.4683-01	5.0654-04	7.0809-04	1.1420-02	1.0918+04	1.2775-04	3.4150+00	
41	453.59	4.3630+01	6.8635+00	2.3033-02	6.8635+00	2.3033-02	3.2197-02	5.1928-01	4.9646+05	5.8013-03	8.7000-01	
42	452.57	4.9041+01	7.8534+00	2.6333-02	7.8534+00	2.6333-02	3.6810-02	5.9368-01	5.6759+05	6.6322-03	1.2590+00	
43	456.80	3.6049+01	5.8073+00	1.9539-02	5.8073+00	1.9539-02	2.7313-02	4.4051-01	4.2115+05	4.9219-03	1.6500+00	
44	459.53	1.8841+01	3.0686+00	1.0347-02	3.0686+00	1.0347-02	1.4464-02	2.3328-01	2.2303+05	2.6068-03	1.7720+00	
45	492.31	7.6779-01	1.3011-01	4.5071-04	1.3011-01	4.5071-04	6.3004-04	1.0161-02	9.7147+03	1.1369-04	2.2400+00	
46	490.12	1.4010+00	2.4060-01	8.3194-04	2.4060-01	8.3194-04	1.1630-03	1.8756-02	1.7932+04	2.0984-04	3.0250+00	
47	436.61	1.3344+01	2.0489+00	6.7830-03	2.0489+00	6.7830-03	9.4819-03	1.5293-01	1.4620+05	1.7073-03	8.7000-01	
48	432.56	8.9522+00	1.4096+00	4.6514-03	1.4096+00	4.6514-03	6.5022-03	1.0487-01	1.0026+05	1.1706-03	1.2590+00	
49	447.63	1.5798+01	2.5599+00	8.5495-03	2.5599+00	8.5495-03	1.1951-02	1.9275-01	1.8428+05	2.1529-03	1.6500+00	
50	456.65	9.9834+00	1.6277+00	5.4758-03	1.6277+00	5.4758-03	7.6545-03	1.2345-01	1.1803+05	1.3793-03	1.7720+00	
51	474.92	1.3751+00	2.3174-01	7.9131-04	2.3174-01	7.9131-04	1.1062-03	1.7840-02	1.7056+04	1.9947-04	1.9200+00	
52	495.43	1.0634+00	1.8056-01	6.2712-04	1.8056-01	6.2712-04	8.7664-04	1.4139-02	1.3517+04	1.5821-04	2.2400+00	
53	494.29	8.0779-01	1.3706-01	4.7559-04	1.3706-01	4.7559-04	6.6482-04	1.0722-02	1.0251+04	1.1998-04	2.6360+00	
54	490.36	6.9714-01	1.1799-01	4.0806-04	1.1799-01	4.0806-04	5.7042-04	9.1998-03	8.7954+03	1.0293-04	3.0250+00	
55	484.87	6.9922-01	1.1897-01	4.0957-04	1.1897-01	4.0957-04	5.7253-04	9.2338-03	8.8279+03	1.0328-04	3.4150+00	
56	469.96	3.1266+01	4.5858+00	1.5595-02	4.5858+00	1.5595-02	2.1800-02	3.5159-01	3.3614+05	3.9304-03	1.1570-01	
57	452.25	1.7668+01	2.7594+00	9.2502-03	2.7594+00	9.2502-03	1.2931-02	2.0855-01	1.9938+05	2.3297-03	2.5000-01	
58	440.15	1.4699+01	2.2910+00	7.6057-03	2.2910+00	7.6057-03	1.0632-02	1.7147-01	1.6394+05	1.9147-03	4.8300-01	
59	435.86	1.3367+01	2.0772+00	6.8724-03	2.0772+00	6.8724-03	9.6069-03	1.5494-01	1.4813+05	1.7298-03	8.7000-01	
60	465.09	1.0296+00	1.6425-01	5.5636-04	1.6425-01	5.5636-04	7.7774-04	1.2543-02	1.1992+04	1.4019-04	1.2590+00	
61	444.43	9.6358+00	1.5204+00	5.0648-03	1.5204+00	5.0648-03	7.0801-03	1.1419-01	1.0917+05	1.2752-03	1.6500+00	
62	455.67	6.4161+00	1.0611+00	3.5670-03	1.0611+00	3.5670-03	4.9862-03	8.0418-02	7.6883+04	8.9848-04	1.7720+00	
63	493.11	5.5688-01	9.6099-02	3.3312-04	9.6099-02	3.3312-04	4.6566-04	7.5103-03	7.1801+03	8.4033-05	2.2400+00	
64	487.67	6.8052-01	1.1736-01	4.0498-04	1.1736-01	4.0498-04	5.6612-04	9.1304-03	8.7291+03	1.0214-04	3.0250+00	
65	469.52	3.0615+01	4.4890+00	1.5260-02	4.4890+00	1.5260-02	2.1332-02	3.4405-01	3.2893+05	3.8460-03	1.1570-01	
66	451.32	1.6887+01	2.5615+00	8.5804-03	2.5615+00	8.5804-03	1.1994-02	1.9345-01	1.8494+05	2.1610-03	2.5000-01	
67	438.70	1.4265+01	2.2211+00	7.3654-03	2.2211+00	7.3654-03	1.0296-02	1.6605-01	1.5876+05	1.8540-03	4.8300-01	
68	431.13	1.1593+01	1.7956+00	5.9186-03	1.7956+00	5.9186-03	8.2736-03	1.3344-01	1.2757+05	1.4894-03	8.7000-01	
69	428.82	1.0234+01	1.6121+00	5.3042-03	1.6121+00	5.3042-03	7.4147-03	1.1958-01	1.1433+05	1.3347-03	1.2590+00	
70	443.55	9.5605+00	1.5402+00	5.1270-03	1.5402+00	5.1270-03	7.1670-03	1.1559-01	1.1051+05	1.2908-03	1.6500+00	
71	454.49	6.1662+00	1.0220+00	3.4322-03	1.0220+00	3.4322-03	4.7979-03	7.7380-02	7.3979+04	8.6450-04	1.7720+00	
72	469.26	8.7636-01	1.4757-01	5.0157-04	1.4757-01	5.0157-04	7.0114-04	1.1308-02	1.0811+04	1.2641-04	1.9200+00	
73	490.38	5.0493-01	8.6727-02	2.9994-04	8.6727-02	2.9994-04	4.1929-04	6.7624-03	6.4651+03	7.5656-05	2.2400+00	
74	483.96	4.5766-01	7.8278-02	2.6929-04	7.8278-02	2.6929-04	3.7643-04	6.0711-03	5.8043+03	6.7906-05	3.0250+00	
75	479.93	5.6311-01	9.6341-02	3.3032-04	9.6341-02	3.3032-04	4.6176-04	7.4473-03	7.1199+03	8.3285-05	3.4150+00	
76	441.68	1.1584+00	1.8920-01	6.2887-04	1.8920-01	6.2887-04	8.7909-04	1.4178-02	1.3555+04	1.5832-04	2.6360+00	
77	455.46	1.0099+00	1.6848-01	5.6625-04	1.6848-01	5.6625-04	7.9156-04	1.2766-02	1.2205+04	1.4263-04	3.0250+00	
78	469.71	9.8546-01	1.6648-01	5.6604-04	1.6648-01	5.6604-04	7.9127-04	1.2762-02	1.2201+04	1.4266-04	3.4150+00	
79	444.43	1.2971+00	2.1604-01	7.1968-04	2.1604-01	7.1968-04	1.0060-03	1.6226-02	1.5512+04	1.8120-04	2.2400+00	
80	446.17	1.2026+00	1.9702-01	6.5722-04	1.9702-01	6.5722-04	9.1873-04	1.4817-02	1.4166+04	1.6549-04	2.6360+00	
81	459.43	1.0868+00	1.8019-01	6.0756-04	1.8019-01	6.0756-04	8.4930-04	1.3698-02	1.3095+04	1.5306-04	3.0250+00	
82	472.63	9.7351-01	1.6430-01	5.5997-04	1.6430-01	5.5997-04	7.8278-04	1.2625-02	1.2070+04	1.4114-04	3.4150+00	
401	491.17	4.8903+01	4.1528+00	1.4372-02	4.1528+00	1.4372-02	2.0090-02	3.2402-01	3.0978+05	3.6252-03	4.4500-01	
403	476.78	3.7197+01	3.1291+00	1.0701-02	3.1291+00	1.0701-02	1.4959-02	2.4125-01	2.3065+05	2.6977-03	6.8600-01	
404	471.76	3.2078+01	2.6895+00	9.1597-03	2.6895+00	9.1597-03	1.2804-02	2.0651-01	1.9743+05	2.3087-03	8.0100-01	
405	464.84	3.6505+01	3.0465+00	1.0317-02	3.0465+00	1.0317-02	1.4422-02	2.3260-01	2.2238+05	2.5997-03	1.0510+00	
406	591.72	-2.0777-03	-1.8759-04	-7.0873-07	-1.8759-04	-7.0873-07	-9.9073-07	-1.5979-05	-1.5276+01	-1.7951-07	1.1670+00	
407	478.98	7.9124+01	6.7840+00	2.3242-02	6.7840+00	2.3242-02	3.2490-02	5.2400-01	5.0096+05	5.8598-03	1.2830+00	
408	476.98	3.0005+01	2.5244+00	8.6342-03	2.5244+00	8.6342-03	1.2070-02	1.9466-01	1.8610+05	2.1767-03	5.1300-01	
409	465.06	2.0119+01	1.6991+00	5.7552-03	1.6991+00	5.7552-03	8.0452-03	1.2975-01	1.2405+05	1.4502-03	5.7000-01	
410	469.38	2.3820+01	2.0175+00	6.8577-03	2.0175+00	6.8577-03	9.5864-03	1.5461-01	1.4781+05	1.7283-03	6.2800-01	
411	458.87	1.2215+01	1.0273+00	3.4622-03	1.0273+00	3.4622-03	4.8399-03	7.8058-02	7.4627+04	8.7222-04	6.8600-01	
412	466.84	2.4442+01	2.0667+00	7.0102-03	2.0667+00	7.0102-03	9.7995-03	1.5805-01	1.5110+05	1.7666-03	7.4400-01	
413	460.63	2.0148+01	1.6965+00	5.7256-03	1.6965+00	5.7256-03	8.0037-03	1.2908-01	1.2341+05	1.4425-03	8.0100-01	
414	464.24	2.3862+01	1.9906+00	6.7380-03	1.9906+00	6.7380-03	9.4190-03	1.5191-01	1.4523+05	1.6978-03	8.5900-01	
415	455.10	1.5134+01	1.2621+00	4.2407-03	1.2621+00	4.2407-03	5.9280-03	9.5607-02	9.1405+04	1.0682-03	9.1700-01	
416	471.60	2.3300+01	1.9302+00	6.5729-03	1.9302+00	6.5729-03	9.1883-03	1.4819-01	1.4168+05	1.6567-03	5.7000-01	
417	461.77	3.3554+01	2.8275+00	9.5517-03	2.8275+00	9.5517-03	1.3352-02	2.1535-01	2.0588+05	2.4065-03	1.0520+00	

CONFIDENTIAL

173 4 6.86 -5.14 .00 -.00 404 2 2.10 10.04 217.3 1636.7

7.99906+01 4.81738-03 3.39979-01 4.40034+03 5.05283-06 6.47923-08 2.87893-02 7.72000+00 6.64910-06 7.52277-02

1	518.36	7.4566+01	1.2505+01	4.4280-02	1.2505+01	4.4280-02	6.1898-02	9.9830-01	9.5442+05	1.1181-02	.0000+00
2	488.87	4.3570+01	6.4269+00	2.2200-02	6.4269+00	2.2200-02	3.1033-02	5.0050-01	4.7850+05	5.5992-03	1.1570-01
3	466.75	2.5984+01	4.0985+00	1.3901-02	4.0985+00	1.3901-02	1.9432-02	3.1341-01	2.9963+05	3.5031-03	2.5000-01
4	453.09	2.0817+01	3.2736+00	1.0981-02	3.2736+00	1.0981-02	1.5350-02	2.4757-01	2.3669+05	2.7658-03	4.8300-01
5	441.30	1.7211+01	2.6763+00	8.8931-03	2.6763+00	8.8931-03	1.2432-02	2.0050-01	1.9169+05	2.2388-03	8.7000-01
6	434.33	1.4333+01	2.2596+00	7.4669-03	2.2596+00	7.4669-03	1.0438-02	1.6834-01	1.6094+05	1.8793-03	1.2590+00
7	430.37	1.2469+01	1.9543+00	6.4378-03	1.9543+00	6.4378-03	8.9994-03	1.4514-01	1.3876+05	1.6200-03	1.6500+00
8	429.20	9.0925+00	1.4765+00	4.8593-03	1.4765+00	4.8593-03	6.7927-03	1.0955-01	1.0474+05	1.2227-03	1.7720+00
9	428.35	1.9761+00	3.2545-01	1.0704-03	3.2545-01	1.0704-03	1.4963-03	2.4133-02	2.3072+04	2.6934-04	1.9200+00
10	442.65	1.3377+00	2.2447-01	7.4670-04	2.2447-01	7.4670-04	1.0438-03	1.6835-02	1.6095+04	1.8799-04	2.2400+00
11	451.62	1.0327+00	1.7589-01	5.8931-04	1.7589-01	5.8931-04	8.2379-04	1.3286-02	1.2702+04	1.4842-04	2.6360+00
12	465.68	9.7870-01	1.6780-01	5.6865-04	1.6780-01	5.6865-04	7.9491-04	1.2820-02	1.2257+04	1.4329-04	3.0250+00
13	477.08	1.0255+00	1.7715-01	6.0598-04	1.7715-01	6.0598-04	8.4710-04	1.3662-02	1.3062+04	1.5277-04	3.4150+00
14	492.79	4.2801+01	6.3511+00	2.2009-02	6.3511+00	2.2009-02	3.0767-02	4.9621-01	4.7440+05	5.5521-03	1.1570-01
15	464.09	2.3979+01	3.7990+00	1.2858-02	3.7990+00	1.2858-02	1.7974-02	2.8988-01	2.7714+05	3.2398-03	2.5000-01
16	450.68	1.9536+01	3.0384+00	1.0172-02	3.0384+00	1.0172-02	1.4220-02	2.2934-01	2.1926+05	2.5618-03	4.8300-01
17	440.21	1.5258+01	2.3782+00	7.8957-03	2.3782+00	7.8957-03	1.1037-02	1.7801-01	1.7019+05	1.9877-03	8.7000-01
18	434.38	1.3757+01	2.1556+00	7.1236-03	2.1556+00	7.1236-03	9.9581-03	1.6060-01	1.5355+05	1.7929-03	1.2590+00
19	433.98	1.1897+01	1.8809+00	6.2137-03	1.8809+00	6.2137-03	8.6861-03	1.4009-01	1.3393+05	1.5639-03	1.6500+00
20	432.79	6.9205+00	1.1333+00	3.7404-03	1.1333+00	3.7404-03	5.2287-03	8.4330-02	8.0623+04	9.4135-04	1.7720+00
21	448.65	1.6489+01	2.5530+00	8.5334-03	2.5530+00	8.5334-03	1.1929-02	1.9239-01	1.8393+05	2.1489-03	4.8300-01
22	440.29	1.5069+01	2.3709+00	7.8719-03	2.3709+00	7.8719-03	1.1004-02	1.7748-01	1.6967+05	1.9817-03	8.7000-01
23	434.81	1.2817+01	2.0150+00	6.6612-03	2.0150+00	6.6612-03	9.3117-03	1.5018-01	1.4358+05	1.6765-03	1.2590+00
24	437.45	1.1632+01	1.8546+00	6.1439-03	1.8546+00	6.1439-03	8.5886-03	1.3852-01	1.3243+05	1.5465-03	1.6500+00
25	438.96	7.9288+00	1.2809+00	4.2485-03	1.2809+00	4.2485-03	5.9390-03	9.5784-02	9.1574+04	1.0695-03	1.7720+00
26	446.91	1.5387+00	2.5671-01	8.5687-04	2.5671-01	8.5687-04	1.1978-03	1.9318-02	1.8469+04	2.1576-04	1.9200+00
27	475.14	8.5662-01	1.4567-01	4.9748-04	1.4567-01	4.9748-04	6.9543-04	1.1216-02	1.0723+04	1.2541-04	3.0250+00
28	491.72	8.0467-01	1.3833-01	4.7895-04	1.3833-01	4.7895-04	6.6953-04	1.0798-02	1.0324+04	1.2082-04	3.4150+00
29	442.34	1.7276+01	2.6884+00	8.9406-03	2.6884+00	8.9406-03	1.2498-02	2.0157-01	1.9271+05	2.2509-03	8.7000-01
30	434.73	9.5247+00	1.4928+00	4.9344-03	1.4928+00	4.9344-03	6.8978-03	1.1125-01	1.0636+05	1.2419-03	1.2590+00
31	440.42	1.0724+01	1.7031+00	5.6551-03	1.7031+00	5.6551-03	7.9053-03	1.2750-01	1.2189+05	1.4236-03	1.6500+00
32	444.93	7.2073+00	1.1692+00	3.8964-03	1.1692+00	3.8964-03	5.4468-03	8.7846-02	8.3984+04	9.8106-04	1.7720+00
33	476.41	9.7351-01	1.6278-01	5.5650-04	1.6278-01	5.5650-04	7.7792-04	1.2546-02	1.1995+04	1.4029-04	2.2400+00
34	490.41	5.2468-01	8.8802-02	3.0713-04	8.8802-02	3.0713-04	4.2934-04	6.9244-03	6.6200+03	7.7469-05	3.0250+00
35	450.13	2.7116+01	3.9241+00	1.3132-02	3.9241+00	1.3132-02	1.8357-02	2.9607-01	2.8305+05	3.3071-03	1.1570-01
37	462.14	2.0836+01	3.2043+00	1.0828-02	3.2043+00	1.0828-02	1.5136-02	2.4412-01	2.3339+05	2.7281-03	1.2500+00
38	462.35	1.7527+00	2.9205-01	9.8706-04	2.9205-01	9.8706-04	1.3798-03	2.2254-02	2.1275+04	2.4869-04	1.9200+00
39	484.98	1.1013+00	1.8794-01	6.4709-04	1.8794-01	6.4709-04	9.0456-04	1.4589-02	1.3948+04	1.6318-04	2.2400+00
40	491.15	8.7221-01	1.5164-01	5.2478-04	1.5164-01	5.2478-04	7.3358-04	1.1831-02	1.1311+04	1.3237-04	3.0250+00
41	487.53	6.2545-01	1.0754-01	3.7105-04	1.0754-01	3.7105-04	5.1869-04	8.3655-03	7.9978+03	9.3581-05	3.4150+00
42	464.36	4.0949+01	6.4888+00	2.1966-02	6.4888+00	2.1966-02	3.0706-02	4.9523-01	4.7346+05	5.5349-03	8.7000-01
43	464.94	4.6951+01	7.5820+00	2.5679-02	7.5820+00	2.5679-02	3.5896-02	5.7894-01	5.5349+05	6.4706-03	1.2590+00
44	465.79	3.5022+01	5.6762+00	1.9238-02	5.6762+00	1.9238-02	2.6892-02	4.3372-01	4.1465+05	4.8477-03	1.6500+00
45	464.38	1.8926+01	3.0925+00	1.0469-02	3.0925+00	1.0469-02	1.4634-02	2.3602-01	2.2565+05	2.6379-03	1.7720+00
46	492.46	7.1325-01	1.2088-01	4.1878-04	1.2088-01	4.1878-04	5.8542-04	9.4416-03	9.0266+03	1.0564-04	2.2400+00
47	490.46	1.3621+00	2.3396-01	8.0922-04	2.3396-01	8.0922-04	1.1312-03	1.8244-02	1.7442+04	2.0411-04	3.0250+00
48	439.83	1.3080+01	2.0128+00	6.6806-03	2.0128+00	6.6806-03	9.3388-03	1.5062-01	1.4400+05	1.6817-03	8.7000-01
49	434.54	8.6862+00	1.3696+00	4.5266-03	1.3696+00	4.5266-03	6.3277-03	1.0205-01	9.7567+04	1.1393-03	1.2590+00
50	451.40	1.4947+01	2.4283+00	8.1345-03	2.4283+00	8.1345-03	1.1371-02	1.8339-01	1.7533+05	2.0487-03	1.6500+00
51	459.05	9.4405+00	1.5417+00	5.1965-03	1.5417+00	5.1965-03	7.2642-03	1.1716-01	1.1201+05	1.3091-03	1.7720+00
52	475.22	1.2608+00	2.1252-01	7.2586-04	2.1252-01	7.2586-04	1.0147-03	1.6365-02	1.5645+04	1.8298-04	1.9200+00
53	495.66	9.4390-01	1.6030-01	5.5684-04	1.6030-01	5.5684-04	7.7841-04	1.2554-02	1.2002+04	1.4048-04	2.2400+00
54	494.46	6.7013-01	1.1372-01	3.9463-04	1.1372-01	3.9463-04	5.5166-04	8.8972-03	8.5061+03	9.9557-05	2.6360+00
55	490.47	4.8467-01	8.2035-02	2.8374-04	8.2035-02	2.8374-04	3.9664-04	6.3971-03	6.1159+03	7.1570-05	3.0250+00
56	484.97	4.7896-01	8.1497-02	2.8059-04	8.1497-02	2.8059-04	3.9224-04	6.3261-03	6.0480+03	7.0760-05	3.4150+00
57	477.79	3.1564+01	4.6537+00	1.5928-02	4.6537+00	1.5928-02	2.2266-02	3.5910-01	3.4332+05	4.0156-03	1.1570-01
58	456.57	1.7635+01	2.7625+00	9.2927-03	2.7625+00	9.2927-03	1.2990-02	2.0951-01	2.0030+05	2.3408-03	2.5000-01
59	443.65	1.4275+01	2.2303+00	7.4250-03	2.2303+00	7.4250-03	1.0379-02	1.6740-01	1.6004+05	1.8694-03	4.8300-01
60	439.00	1.2753+01	1.9861+00	6.5875-03	1.9861+00	6.5875-03	9.2086-03	1.4852-01	1.4199+05	1.6582-03	8.7000-01
61	465.35	1.0623+00	1.6950-01	5.7427-04	1.6950-01	5.7427-04	8.0276-04	1.2947-02	1.2378+04	1.4471-04	1.2590+00
62	446.48	8.6914+00	1.3733+00	4.5824-03	1.3733+00	4.5824-03	6.4056-03	1.0331-01	9.8770+04	1.1538-03	1.6500+00
63	457.13	5.6410+00	9.3387-01	3.1429-03	9.3387-01	3.1429-03	4.3934-03	7.0858-02	6.7743+04	7.9171-04	1.7720+00
64	493.19	4.3013-01	7.4230-02	2.5733-04	7.4230-02	2.5733-04	3.5972-04	5.8016-03	5.5466+03	6.4915-05	2.2400+00
65	487.78	5.4961-01	9.4792-02	3.2713-04	9.4792-02	3.2713-04	4.5730-04	7.3753-03	7.0511+03	8.2506-05	3.0250+00
66	477.15	3.0948+01	4.5608+00	1.5602-02	4.5608+00	1.5602-02	2.1810-02	3.5175-01	3.3629+05	3.9333-03	1.1570-01
67	455.41	1.6691+01	2.5388+00	8.5324-03	2.5388+00	8.5324-03	1.1927-02	1.9237-01	1.8391+05	2.1492-03	2.5000-01
68	442.10	1.3777+01	2.1503+00	7.1497-03	2.1503+00	7.1497-03	9.9945-03	1.6119-01	1.5411+05	1.8000-03	4.8300-01
69	433.86	1.1200+01	1.7380+00	5.7413-03	1.7380+00	5.7413-03	8.0257-03	1.2944-01	1.2375+05	1.4449-03	8.7000-01
70	431.11	9.4535+00	1.4915+00	4.9163-03	1.4915+00	4.9163-03	6.8724-03	1.1084-01	1.0597+05	1.2372-03	1.2590+00
71	445.52	8.2717+00	1.3344+00	4.4489-03	1.3344+00	4.4489-03	6.2191-03	1.0030-01	9.5893+04	1.1202-03	1.6500+00
72	455.84	5.4919+00	9.1109-01	3.0630-03	9.1109-01	3.0630-03	4.2818-03	6.9057-02	6.6022+04	7.7155-04	1.7720+00
73	469.45	7.6571-01	1.2896-01	4.3836-04	1.2896-01	4.3836-04	6.1279-04	9.8831-03	9.4487+03	1.1048-04	1.9200+00
74	490.45	3.4545-01	5.9338-02	2.0523-04	5.9338-02	2.0523-04	2.8689-04	4.6270-03	4.4236+03	5.1767-05	2.2400+00
75	484.00	2.1351-01	3.6519-02	1.2564-04	3.6519-02	1.2564-04	1.7562-04	2.8325-03	2.7080+03	3.1682-05	3.0250+00
76	480.00	2.6441-01	4.5240-02	1.5512-04	4.5240-02	1.5512-04	2.1685-04	3.4973-03	3.3436+03	3.9111-05	3.4150+00
77	441.94	1.1257+00	1.8388-01	6.1134-04	1.8388-01	6.1134-04	8.5459-04	1.3783-02	1.3177+04	1.5391-04	2.6360+00
78	455.74	9.9013-01	1.6522-01	5.5541-04	1.6522-01	5.5541-04	7.7640-04	1.2522-02	1.1971+04	1.3990-04	3.0250+00
79	469.96	9.8338-01	1.6616-01	5.6506-04	1.6616-01	5.6506-04	7.8990-04	1.2740-02	1.2180+04	1.4241-04	3.4150+00
80	444.75	1.2925+00	2.1531-01	7.1743-04	2.1531-01	7.1743-04	1.0029-03	1.6175-02	1.5464+04	1.8064-04	2.2400+00
81	446.48	1.2208+00	2.0004-01	6.6747-04	2.0004-01	6.6747-04	9.3305-04	1.5048-02	1.4387+04	1.6807-04	2.6360+00
82	459.72	1.0717+00	1.7773-01	5.9939-04	1.7773-01	5.9939-04	8.3788-04	1.3513-02	1.2919+04	1.5100-04	3.0250+00
83	472.89	9.9740-01	1.6836-01	5.7393-04	1.6836-01	5.7393-04	8.0230-04	1.2940-02	1.2371+04	1.4467-04	3.4150+00
401	503.47	4.9066+01	4.1998+00	1.4685-02	4.1998+00	1.4685-02	2.0528-02	3.3108-01	3.1653+05	3.7060-03	4.4500-01
403	485.81	3.5197+01	2.9785+00	1.0262-02	2.9785+00	1.0262-02	1.4345-02	2.3136-01	2.2119+05	2.5880-03	6.8600-01
404	479.29	2.9228+01	2.4628+00	8.4397-03	2.4628+00	8.4397-03	1.1798-02	1.9028-01	1.8191+05	2.1278-03	8.0100-01
405	473.80	3.4408+01	2.8887+00	9.8547-03	2.8887+00	9.8547-03	1.3776-02	2.2218-01	2.1241+05	2.4841-03	1.0510+00
406	591.71	-2.5969-03	-2.3447-04	-8.8586-07	-2.3447-04	-8.8586-07	-1.2383-06	-1.9972-05	-1.9094+01	-2.2437-07	1.1670+00
407	498.62	7.6067+01	6.6059+00	2.3005-02	6.6059+00	2.3005-02	3.2158-02	5.1865-01	4.9585+05	5.8044-03	1.2830+00
408	484.73	3.1679+01	2.6789+00	9.2216-03	2.6789+00	9.2216-03	1.2891-02	2.0791-01	1.9877+05	2.3255-03	5.1300-01
409	469.69	1.9125+01	1.6202+00	5.5087-03	1.6202+00	5.5087-03	7.7006-03	1.2420-01	1.1874+05	1.3884-03	5.7000-01
410	475.44	2.4486+01	2.0823+00	7.1132-03	2.0823+00	7.1132-03	9.9435-03	1.6037-01	1.5332+05	1.7931-03	6.2800-01
411	462.14	1.3811+01	1.1641+00	3.9338-03	1.1641+00	3.9338-03	5.4990-03	8.8688-02	8.4790+04	9.9113-04	6.8600-01
412	472.95	2.4657+01	2.0934+00	7.1365-03	2.0934+00	7.1365-03	9.9760-03	1.6089-01	1.5382+05	1.7988-03	7.4400-01
413	465.87	2.0575+01	1.7385+00	5.8926-03	1.7385+00	5.8926-03	8.2372-03	1.3285-01	1.2701+05	1.4849-03	8.0100-01
414	469.82	2.1836+01	1.8284+00	6.2173-03	1.8284+00	6.2173-03	8.6911-03	1.4017-01	1.3401+05	1.5669-03	8.5900-01
415	458.81	1.5089+01	1.2616+00	4.2515-03	1.2616+00	4.2515-03	5.9432-03	9.5853-02	9.1639+04	1.0711-03	9.1700-01
416	477.59	2.4500+01	2.0377+00	6.9731-03	2.0377+00	6.9731-03	9.7477-03	1.5721-01	1.5030+05	1.7580-03	5.7000-01
417	470.41	3.4587+01	2.9315+00	9.9728-03	2.9315+00	9.9728-03	1.3941-02	2.2484-01	2.1496+05	2.5135-03	1.0520+00

CONFIDENTIAL

173 4 6.86 -5.14 .00 -.00 404 2 2.35 10.04 217.3 1636.7

7.99906+01 4.81738-03 3.39979-01 4.40034+03 5.05283-06 6.47923-08 2.87893-02 7.72000+00 6.64910-06 7.52277-02

1	536.63	7.1917+01	1.2198+01	4.3878-02	1.2198+01	4.3878-02	6.1337-02	9.8925-01	9.4576+05	1.1088-02	.0000+00	
2	499.70	4.3224+01	6.4207+00	2.2380-02	6.4207+00	2.2380-02	3.1285-02	5.0456-01	4.8238+05	5.6470-03	1.1570-01	
3	473.20	2.5883+01	4.1001+00	1.3980-02	4.1001+00	1.3980-02	1.9543-02	3.1519-01	3.0134+05	3.5240-03	2.5000-01	
4	458.27	2.0846+01	3.2897+00	1.1081-02	3.2897+00	1.1081-02	1.5491-02	2.4984-01	2.3885+05	2.7916-03	4.8300-01	
5	445.60	1.6855+01	2.6287+00	8.7650-03	2.6287+00	8.7650-03	1.2252-02	1.9761-01	1.8892+05	2.2069-03	8.7000-01	
6	437.93	1.4302+01	2.2604+00	7.4908-03	2.2604+00	7.4908-03	1.0471-02	1.6888-01	1.6146+05	1.8856-03	1.2590+00	
7	433.50	1.2555+01	1.9721+00	6.5127-03	1.9721+00	6.5127-03	9.1041-03	1.4683-01	1.4038+05	1.6391-03	1.6500+00	
8	431.43	8.9990+00	1.4636+00	4.8253-03	1.4636+00	4.8253-03	6.7453-03	1.0879-01	1.0401+05	1.2143-03	1.7720+00	
9	428.83	2.0151+00	3.3198-01	1.0923-03	3.3198-01	1.0923-03	1.5269-03	2.4626-02	2.3543+04	2.7485-04	1.9200+00	
10	442.99	1.3912+00	2.3350-01	7.7695-04	2.3350-01	7.7695-04	1.0861-03	1.7517-02	1.6747+04	1.9561-04	2.2400+00	
11	451.81	8.5611-01	1.4582-01	4.8866-04	1.4582-01	4.8866-04	6.8309-04	1.1017-02	1.0533+04	1.2307-04	2.6360+00	
12	465.93	9.8598-01	1.6907-01	5.7308-04	1.6907-01	5.7308-04	8.0110-04	1.2920-02	1.2352+04	1.4441-04	3.0250+00	
13	477.34	1.0265+00	1.7736-01	6.0683-04	1.7736-01	6.0683-04	8.4829-04	1.3681-02	1.3080+04	1.5298-04	3.4150+00	
14	503.45	4.2455+01	6.3432+00	2.2179-02	6.3432+00	2.2179-02	3.1004-02	5.0004-01	4.7806+05	5.5973-03	1.1570-01	
15	470.07	2.3770+01	3.7811+00	1.2859-02	3.7811+00	1.2859-02	1.7976-02	2.6992-01	2.7718+05	3.2410-03	2.5000-01	
16	455.50	1.9420+01	3.0304+00	1.0185-02	3.0304+00	1.0185-02	1.4238-02	2.2963-01	2.1954+05	2.5655-03	4.8300-01	
17	444.01	1.5226+01	2.3795+00	7.9241-03	2.3795+00	7.9241-03	1.1077-02	1.7865-01	1.7080+05	1.9951-03	8.7000-01	
18	437.80	1.3632+01	2.1411+00	7.0949-03	2.1411+00	7.0949-03	9.9180-03	1.5996-01	1.5293+05	1.7859-03	1.2590+00	
19	436.95	1.1850+01	1.8773+00	6.2165-03	1.8773+00	6.2165-03	8.6900-03	1.4015-01	1.3399+05	1.5647-03	1.6500+00	
20	434.50	6.8623+00	1.1251+00	3.7185-03	1.1251+00	3.7185-03	5.1981-03	8.3836-02	8.0151+04	9.3589-04	1.7720+00	
21	452.67	1.6222+01	2.5186+00	8.4456-03	2.5186+00	8.4456-03	1.1806-02	1.9041-01	1.8204+05	2.1271-03	4.8300-01	
22	444.06	1.5038+01	2.3723+00	7.9002-03	2.3723+00	7.9002-03	1.1044-02	1.7811-01	1.7028+05	1.9891-03	8.7000-01	
23	438.01	1.2838+01	2.0230+00	6.7046-03	2.0230+00	6.7046-03	9.3723-03	1.5116-01	1.4451+05	1.6877-03	1.2590+00	
24	440.32	1.1553+01	1.8458+00	6.1287-03	1.8458+00	6.1287-03	8.5673-03	1.3817-01	1.3210+05	1.5428-03	1.6500+00	
25	440.91	7.8405+00	1.2684+00	4.2134-03	1.2684+00	4.2134-03	5.8899-03	9.4994-02	9.0818+04	1.0607-03	1.7720+00	
26	447.32	1.5870+00	2.6485-01	8.8430-04	2.6485-01	8.8430-04	1.2362-03	1.9937-02	1.9061+04	2.2268-04	1.9200+00	
27	475.34	8.6546-01	1.4719-01	5.0276-04	1.4719-01	5.0276-04	7.0281-04	1.1335-02	1.0837+04	1.2674-04	3.0250+00	
28	491.92	7.3039-01	1.2558-01	4.3486-04	1.2558-01	4.3486-04	6.0789-04	9.8042-03	9.3732+03	1.0969-04	3.4150+00	
29	446.90	1.8388+01	2.8704+00	9.5810-03	2.8704+00	9.5810-03	1.3393-02	2.1601-01	2.0651+05	2.4125-03	8.7000-01	
30	437.15	9.8571+00	1.5475+00	5.1252-03	1.5475+00	5.1252-03	7.1645-03	1.1555-01	1.1047+05	1.2901-03	1.2590+00	
31	443.07	1.0594+01	1.6854+00	5.6085-03	1.6854+00	5.6085-03	7.8400-03	1.2645-01	1.2089+05	1.4120-03	1.6500+00	
32	446.69	7.0894+00	1.1515+00	3.8428-03	1.1515+00	3.8428-03	5.3718-03	8.6637-02	8.2828+04	9.6762-04	1.7720+00	
33	476.70	1.0540+00	1.7627-01	6.0278-04	1.7627-01	6.0278-04	8.4262-04	1.3590-02	1.2993+04	1.5196-04	2.2400+00	
34	490.54	5.7818-01	9.7866-02	3.3852-04	9.7866-02	3.3852-04	4.7321-04	7.6320-03	7.2965+03	8.5386-05	3.0250+00	
35	456.67	2.5869+01	3.7604+00	1.2651-02	3.7604+00	1.2651-02	1.7684-02	2.8521-01	2.7267+05	3.1867-03	1.1570-01	
37	467.39	2.0911+01	3.2273+00	1.0952-02	3.2273+00	1.0952-02	1.5310-02	2.4692-01	2.3606+05	2.7600-03	1.2500+00	
38	462.79	1.8036+00	3.0063-01	1.0164-03	3.0063-01	1.0164-03	1.4208-03	2.2915-02	2.1908+04	2.5609-04	1.9200+00	
39	485.25	1.1579+00	1.9764-01	6.8064-04	1.9764-01	6.8064-04	9.5146-04	1.5345-02	1.4671+04	1.7165-04	2.2400+00	
40	491.37	9.5169-01	1.6548-01	5.7278-04	1.6548-01	5.7278-04	8.0069-04	1.2914-02	1.2346+04	1.4448-04	3.0250+00	
41	487.66	6.7169-01	1.1550-01	3.9856-04	1.1550-01	3.9856-04	5.5715-04	8.9857-03	8.5907+03	1.0052-04	3.4150+00	
42	474.16	3.7863+01	6.0393+00	2.0609-02	6.0393+00	2.0609-02	2.8809-02	4.6463-01	4.4421+05	5.1949-03	8.7000-01	
43	476.26	4.3694+01	7.1095+00	2.4303-02	7.1095+00	2.4303-02	3.3973-02	5.4791-01	5.2383+05	6.1266-03	1.2590+00	
44	474.39	3.3781+01	5.5065+00	1.8794-02	5.5065+00	1.8794-02	2.6272-02	4.2372-01	4.0509+05	4.7375-03	1.6500+00	
45	469.05	1.8496+01	3.0318+00	1.0303-02	3.0318+00	1.0303-02	1.4402-02	2.3227-01	2.2206+05	2.5965-03	1.7720+00	
46	492.63	7.1844-01	1.2177-01	4.2194-04	1.2177-01	4.2194-04	5.8983-04	9.5129-03	9.0947+03	1.0644-04	2.2400+00	
47	490.80	1.3418+00	2.3053-01	7.9758-04	2.3053-01	7.9758-04	1.1149-03	1.7982-02	1.7191+04	2.0118-04	3.0250+00	
48	443.09	1.3082+01	2.0177+00	6.7142-03	2.0177+00	6.7142-03	9.3858-03	1.5137-01	1.4472+05	1.6904-03	8.7000-01	
49	436.79	9.1330+00	1.4423+00	4.7754-03	1.4423+00	4.7754-03	6.6755-03	1.0766-01	1.0293+05	1.2020-03	1.2590+00	
50	455.02	1.4483+01	2.3586+00	7.9242-03	2.3586+00	7.9242-03	1.1077-02	1.7866-01	1.7080+05	1.9960-03	1.6500+00	
51	461.35	9.1003+00	1.4884+00	5.0264-03	1.4884+00	5.0264-03	7.0263-03	1.1332-01	1.0834+05	1.2664-03	1.7720+00	
52	475.54	1.3148+00	2.2168-01	7.5733-04	2.2168-01	7.5733-04	1.0587-03	1.7074-02	1.6324+04	1.9091-04	1.9200+00	
53	495.90	9.3818-01	1.5935-01	5.5367-04	1.5935-01	5.5367-04	7.7397-04	1.2483-02	1.1934+04	1.3969-04	2.2400+00	
54	494.61	6.2234-01	1.0562-01	3.6657-04	1.0562-01	3.6657-04	5.1243-04	8.2645-03	7.9012+03	9.2478-05	2.6360+00	
55	490.58	4.9143-01	8.3184-02	2.8774-04	8.3184-02	2.8774-04	4.0223-04	6.4873-03	6.2021+03	7.2579-05	3.0250+00	
56	485.07	4.8156-01	8.1944-02	2.8216-04	8.1944-02	2.8216-04	3.9443-04	6.3614-03	6.0818+03	7.1155-05	3.4150+00	
57	485.76	3.1854+01	4.7210+00	1.6265-02	4.7210+00	1.6265-02	2.2737-02	3.6670-01	3.5058+05	4.1018-03	1.1570-01	
58	461.07	1.7912+01	2.8145+00	9.5021-03	2.8145+00	9.5021-03	1.3283-02	2.1423-01	2.0481+05	2.3940-03	2.5000-01	
59	447.24	1.3945+01	2.1842+00	7.2924-03	2.1842+00	7.2924-03	1.0194-02	1.6441-01	1.5718+05	1.8363-03	4.8300-01	
60	442.16	1.2586+01	1.9645+00	6.5324-03	1.9645+00	6.5324-03	9.1316-03	1.4728-01	1.4080+05	1.6446-03	8.7000-01	
61	465.62	1.0790+00	1.7219-01	5.8348-04	1.7219-01	5.8348-04	8.1565-04	1.3155-02	1.2577+04	1.4703-04	1.2590+00	
62	448.69	8.5184+00	1.3480+00	4.5059-03	1.3480+00	4.5059-03	6.2988-03	1.0159-01	9.7123+04	1.1347-03	1.6500+00	
63	458.43	5.3195+00	8.8142-01	2.9695-03	8.8142-01	2.9695-03	4.1510-03	6.6948-02	6.4005+04	7.4806-04	1.7720+00	
64	493.31	4.3013-01	7.4236-02	2.5737-04	7.4236-02	2.5737-04	3.5978-04	5.8026-03	5.5475+03	6.4926-05	2.2400+00	
65	487.92	5.9065-01	1.0188-01	3.5163-04	1.0188-01	3.5163-04	4.9154-04	7.9276-03	7.5792+03	8.8685-05	3.0250+00	
66	484.99	3.1301+01	4.6367+00	1.5965-02	4.6367+00	1.5965-02	2.2317-02	3.5993-01	3.4410+05	4.0259-03	1.1570-01	
67	459.60	1.6911+01	2.5796+00	8.6987-03	2.5796+00	8.6987-03	1.2160-02	1.9612-01	1.8750+05	2.1915-03	2.5000-01	
68	445.55	1.3717+01	2.1460+00	7.1553-03	2.1460+00	7.1553-03	1.0002-02	1.6132-01	1.5423+05	1.8017-03	4.8300-01	
69	436.66	1.1185+01	1.7391+00	5.7575-03	1.7391+00	5.7575-03	8.0484-03	1.2981-01	1.2410+05	1.4492-03	8.7000-01	
70	433.47	9.4519+00	1.4938+00	4.9328-03	1.4938+00	4.9328-03	6.8956-03	1.1121-01	1.0632+05	1.2415-03	1.2590+00	
71	447.55	8.1917+00	1.3233+00	4.4192-03	1.3233+00	4.4192-03	6.1776-03	9.9633-02	9.5254+04	1.1128-03	1.6500+00	
72	457.19	5.4468+00	9.0443-01	3.0439-03	9.0443-01	3.0439-03	4.2551-03	6.8626-02	6.5610+04	7.6678-04	1.7720+00	
73	469.64	7.7559-01	1.3064-01	4.4414-04	1.3064-01	4.4414-04	6.2086-04	1.0013-02	9.5732+03	1.1194-04	1.9200+00	
74	490.54	3.8701-01	6.6480-02	2.2995-04	6.6480-02	2.2995-04	3.2145-04	5.1844-03	4.9565+03	5.8002-05	2.2400+00	
75	484.06	3.3766-01	5.7758-02	1.9871-04	5.7758-02	1.9871-04	2.7778-04	4.4800-03	4.2831+03	5.0109-05	3.0250+00	
76	480.05	2.8779-01	4.9242-02	1.6885-04	4.9242-02	1.6885-04	2.3604-04	3.8068-03	3.6395+03	4.2573-05	3.4150+00	
77	442.23	1.2145+00	1.9843-01	6.5987-04	1.9843-01	6.5987-04	9.2242-04	1.4877-02	1.4223+04	1.6613-04	2.6360+00	
78	455.98	9.9948-01	1.6681-01	5.6085-04	1.6681-01	5.6085-04	7.8401-04	1.2645-02	1.2089+04	1.4128-04	3.0250+00	
79	470.20	1.0104+00	1.7075-01	5.8079-04	1.7075-01	5.8079-04	8.1189-04	1.3094-02	1.2519+04	1.4638-04	3.4150+00	
80	445.08	1.3392+00	2.2315-01	7.4375-04	2.2315-01	7.4375-04	1.0397-03	1.6768-02	1.6031+04	1.8727-04	2.2400+00	
81	446.77	1.1621+00	1.9046-01	6.3565-04	1.9046-01	6.3565-04	8.8856-04	1.4331-02	1.3701+04	1.6006-04	2.6360+00	
82	459.97	1.0192+00	1.6906-01	5.7026-04	1.6906-01	5.7026-04	7.9716-04	1.2857-02	1.2292+04	1.4367-04	3.0250+00	
83	473.15	9.8026-01	1.6550-01	5.6428-04	1.6550-01	5.6428-04	7.8881-04	1.2722-02	1.2163+04	1.4223-04	3.4150+00	
401	515.76	4.9004+01	4.2273+00	1.4936-02	4.2273+00	1.4936-02	2.0879-02	3.3674-01	3.2193+05	3.7712-03	4.4500-01	
403	494.35	3.3381+01	2.8405+00	9.8566-03	2.8405+00	9.8566-03	1.3778-02	2.2222-01	2.1245+05	2.4866-03	6.8600-01	
404	486.29	2.7249+01	2.3066+00	7.9502-03	2.3066+00	7.9502-03	1.1114-02	1.7924-01	1.7136+05	2.0050-03	8.0100-01	
405	482.10	3.2124+01	2.7118+00	9.3146-03	2.7118+00	9.3146-03	1.3021-02	2.1000-01	2.0077+05	2.3487-03	1.0510+00	
406	591.71	-3.6346-03	-3.2815-04	-1.2398-06	-3.2815-04	-1.2398-06	-1.7331-06	-2.7952-05	-2.6723+01	-3.1402-07	1.1670+00	
407	517.13	7.2445+01	6.3658+00	2.2518-02	6.3658+00	2.2518-02	3.1478-02	5.0768-01	4.8536+05	5.6859-03	1.2830+00	
408	492.90	3.3082+01	2.8124+00	9.7473-03	2.8124+00	9.7473-03	1.3626-02	2.1976-01	2.1010+05	2.4588-03	5.1300-01	
409	474.51	1.9552+01	1.6617+00	5.6722-03	1.6617+00	5.6722-03	7.9291-03	1.2788-01	1.2226+05	1.4298-03	5.7000-01	
410	481.64	2.4899+01	2.1261+00	7.3001-03	2.1261+00	7.3001-03	1.0205-02	1.6458-01	1.5735+05	1.8407-03	6.2800-01	
411	465.80	1.5142+01	1.2795+00	4.3364-03	1.2795+00	4.3364-03	6.0618-03	9.7765-02	9.3467+04	1.0927-03	6.8600-01	
412	479.15	2.4808+01	2.1149+00	7.2467-03	2.1149+00	7.2467-03	1.0130-02	1.6338-01	1.5620+05	1.8270-03	7.4400-01	
413	470.97	2.0219+01	1.7143+00	5.8348-03	1.7143+00	5.8348-03	8.1564-03	1.3155-01	1.2576+05	1.4706-03	8.0100-01	
414	475.05	2.0751+01	1.7436+00	5.9543-03	1.7436+00	5.9543-03	8.3235-03	1.3424-01	1.2834+05	1.5010-03	8.5900-01	
415	462.63	1.5164+01	1.2711+00	4.2968-03	1.2711+00	4.2968-03	6.0064-03	9.6872-02	9.2614+04	1.0826-03	9.1700-01	
416	483.86	2.5572+01	2.1356+00	7.3463-03	2.1356+00	7.3463-03	1.0269-02	1.6562-01	1.5834+05	1.8525-03	5.7000-01	
417	479.14	3.4623+01	2.9516+00	1.0114-02	2.9516+00	1.0114-02	1.4138-02	2.2802-01	2.1799+05	2.5499-03	1.0520+00	

CONFIDENTIAL

173 4 6.86 -5.14 .00 -.00 404 2 2.60 10.04 217.3 1636.7

7.99906+01 4.81738-03 3.39979-01 4.40034+03 5.05283-06 6.47923-08 2.87893-02 7.72000+00 6.64910-06 7.52277-02

1	554.33	6.9496+01	1.1914+01	4.3535-02	1.1914+01	4.3535-02	6.0857-02	9.8152-01	9.3837+05	1.1008-02	.0000+00
2	510.49	4.2848+01	6.4088+00	2.2546-02	6.4088+00	2.2546-02	3.1517-02	5.0832-01	4.8597+05	5.6906-03	1.1570-01
3	479.63	2.5492+01	4.0554+00	1.3903-02	4.0554+00	1.3903-02	1.9435-02	3.1346-01	2.9968+05	3.5048-03	2.5000-01
4	463.54	2.0967+01	3.3206+00	1.1235-02	3.3206+00	1.1235-02	1.5706-02	2.5331-01	2.4217+05	2.8305-03	4.8300-01
5	449.73	1.6575+01	2.5925+00	8.6742-03	2.5925+00	8.6742-03	1.2126-02	1.9556-01	1.8697+05	2.1841-03	8.7000-01
6	441.52	1.4197+01	2.2495+00	7.4772-03	2.2495+00	7.4772-03	1.0452-02	1.6858-01	1.6117+05	1.8821-03	1.2590+00
7	436.67	1.2570+01	1.9789+00	6.5524-03	1.9789+00	6.5524-03	9.1596-03	1.4773-01	1.4123+05	1.6490-03	1.6500+00
8	433.70	8.9865+00	1.4639+00	4.8358-03	1.4639+00	4.8358-03	6.7599-03	1.0902-01	1.0423+05	1.2169-03	1.7720+00
9	429.36	2.0888+00	3.4426-01	1.1333-03	3.4426-01	1.1333-03	1.5843-03	2.5552-02	2.4428+04	2.8514-04	1.9200+00
10	443.33	1.3470+00	2.2614-01	7.5279-04	2.2614-01	7.5279-04	1.0523-03	1.6972-02	1.6226+04	1.8950-04	2.2400+00
11	451.99	7.3870-01	1.2584-01	4.2183-04	1.2584-01	4.2183-04	5.8968-04	9.5104-03	9.0923+03	1.0622-04	2.6360+00
12	466.19	9.9844-01	1.7124-01	5.8065-04	1.7124-01	5.8065-04	8.1168-04	1.3091-02	1.2515+04	1.4630-04	3.0250+00
13	477.60	1.0005+00	1.7291-01	5.9180-04	1.7291-01	5.9180-04	8.2727-04	1.3342-02	1.2756+04	1.4917-04	3.4150+00
14	514.00	4.1937+01	6.3079+00	2.2258-02	6.3079+00	2.2258-02	3.1114-02	5.0180-01	4.7975+05	5.6185-03	1.1570-01
15	475.99	2.3584+01	3.7664+00	1.2874-02	3.7664+00	1.2874-02	1.7996-02	2.9025-01	2.7749+05	3.2449-03	2.5000-01
16	460.37	1.9509+01	3.0543+00	1.0307-02	3.0543+00	1.0307-02	1.4409-02	2.3239-01	2.2217+05	2.5964-03	4.8300-01
17	447.82	1.4943+01	2.3415+00	7.8225-03	2.3415+00	7.8225-03	1.0935-02	1.7636-01	1.6861+05	1.9695-03	8.7000-01
18	441.20	1.3614+01	2.1432+00	7.1223-03	2.1432+00	7.1223-03	9.9562-03	1.6057-01	1.5352+05	1.7927-03	1.2590+00
19	439.91	1.1810+01	1.8749+00	6.2241-03	1.8749+00	6.2241-03	8.7007-03	1.4033-01	1.3416+05	1.5666-03	1.6500+00
20	436.23	6.9652+00	1.1434+00	3.7846-03	1.1434+00	3.7846-03	5.2905-03	8.5326-02	8.1575+04	9.5244-04	1.7720+00
21	456.70	1.6250+01	2.5299+00	8.5124-03	2.5299+00	8.5124-03	1.1899-02	1.9192-01	1.8348+05	2.1439-03	4.8300-01
22	447.81	1.4660+01	2.3186+00	7.7458-03	2.3186+00	7.7458-03	1.0828-02	1.7463-01	1.6696+05	1.9502-03	8.7000-01
23	441.22	1.2777+01	2.0177+00	6.7053-03	2.0177+00	6.7053-03	9.3733-03	1.5117-01	1.4453+05	1.6878-03	1.2590+00
24	443.22	1.1488+01	1.8391+00	6.1213-03	1.8391+00	6.1213-03	8.5570-03	1.3801-01	1.3194+05	1.5409-03	1.6500+00
25	442.85	7.8083+00	1.2649+00	4.2090-03	1.2649+00	4.2090-03	5.8837-03	9.4893-02	9.0722+04	1.0595-03	1.7720+00
26	447.70	1.5507+00	2.5885-01	8.6467-04	2.5885-01	8.6467-04	1.2087-03	1.9494-02	1.8637+04	2.1770-04	1.9200+00
27	475.57	8.6598-01	1.4730-01	5.0332-04	1.4730-01	5.0332-04	7.0358-04	1.1347-02	1.0849+04	1.2686-04	3.0250+00
28	492.07	7.7715-01	1.3363-01	4.6289-04	1.3363-01	4.6289-04	6.4706-04	1.0436-02	9.9772+03	1.1674-04	3.4150+00
29	451.63	1.9221+01	3.0103+00	1.0088-02	3.0103+00	1.0088-02	1.4101-02	2.2743-01	2.1743+05	2.5401-03	8.7000-01
30	439.64	1.0066+01	1.5831+00	5.2544-03	1.5831+00	5.2544-03	7.3451-03	1.1846-01	1.1325+05	1.3225-03	1.2590+00
31	445.70	1.0606+01	1.6904+00	5.6378-03	1.6904+00	5.6378-03	7.8810-03	1.2711-01	1.2152+05	1.4193-03	1.6500+00
32	448.49	7.1527+00	1.1632+00	3.8881-03	1.1632+00	3.8881-03	5.4351-03	8.7659-02	8.3805+04	9.7894-04	1.7720+00
33	476.95	9.7610-01	1.6327-01	5.5851-04	1.6327-01	5.5851-04	7.8074-04	1.2592-02	1.2038+04	1.4078-04	2.2400+00
34	490.69	5.9169-01	1.0016-01	3.4656-04	1.0016-01	3.4656-04	4.8445-04	7.8133-03	7.4699+03	8.7401-05	3.0250+00
35	462.99	2.5074+01	3.6605+00	1.2380-02	3.6605+00	1.2380-02	1.7306-02	2.7911-01	2.6684+05	3.1188-03	1.1570-01
36	472.60	2.0871+01	3.2323+00	1.1018-02	3.2323+00	1.1018-02	1.5402-02	2.4840-01	2.3748+05	2.7767-03	1.2500+00
37	463.25	1.8629+00	3.1059-01	1.0506-03	3.1059-01	1.0506-03	1.4687-03	2.3687-02	2.2646+04	2.6468-04	1.9200+00
38	485.56	1.2244+00	2.0903-01	7.2017-04	2.0903-01	7.2017-04	1.0067-03	1.6236-02	1.5523+04	1.8159-04	2.2400+00
39	491.63	1.0145+00	1.7644-01	6.1095-04	1.7644-01	6.1095-04	8.5405-04	1.3774-02	1.3169+04	1.5409-04	3.0250+00
40	487.83	7.0286-01	1.2087-01	4.1723-04	1.2087-01	4.1723-04	5.8324-04	9.4066-03	8.9931+03	1.0521-04	3.4150+00
41	483.20	3.5198+01	5.6478+00	1.9420-02	5.6478+00	1.9420-02	2.7147-02	4.3783-01	4.1859+05	4.8962-03	8.7000-01
42	486.73	4.0764+01	6.6786+00	2.3032-02	6.6786+00	2.3032-02	3.2196-02	5.1926-01	4.9643+05	5.8076-03	1.2590+00
43	482.67	3.2594+01	5.3421+00	1.8361-02	5.3421+00	1.8361-02	2.5667-02	4.1396-01	3.9576+05	4.6291-03	1.6500+00
44	473.64	1.8141+01	2.9826+00	1.0175-02	2.9826+00	1.0175-02	1.4224-02	2.2941-01	2.1932+05	2.5645-03	1.7720+00
45	492.81	7.2104-01	1.2223-01	4.2365-04	1.2223-01	4.2365-04	5.9222-04	9.5513-03	9.1315+03	1.0685-04	2.2400+00
46	491.13	1.3652+00	2.3460-01	8.1200-04	2.3460-01	8.1200-04	1.1351-03	1.8307-02	1.7502+04	2.0479-04	3.0250+00
47	446.46	1.2935+01	1.9997+00	6.6733-03	1.9997+00	6.6733-03	9.3285-03	1.5045-01	1.4384+05	1.6801-03	8.7000-01
48	439.11	9.4322+00	1.4920+00	4.9498-03	1.4920+00	4.9498-03	6.9193-03	1.1159-01	1.0669+05	1.2458-03	1.2590+00
49	458.61	1.4258+01	2.3277+00	7.8443-03	2.3277+00	7.8443-03	1.0965-02	1.7685-01	1.6908+05	1.9758-03	1.6500+00
50	463.59	8.8135+00	1.4437+00	4.8850-03	1.4437+00	4.8850-03	6.8287-03	1.1013-01	1.0529+05	1.2307-03	1.7720+00
51	475.89	1.3138+00	2.2155-01	7.5724-04	2.2155-01	7.5724-04	1.0585-03	1.7072-02	1.6322+04	1.9086-04	1.9200+00
52	496.11	8.4208-01	1.4305-01	4.9720-04	1.4305-01	4.9720-04	6.9503-04	1.1209-02	1.0717+04	1.2542-04	2.2400+00
53	494.75	6.3169-01	1.0722-01	3.7222-04	1.0722-01	3.7222-04	5.2033-04	8.3919-03	8.0230+03	9.3888-05	2.6360+00
54	490.71	5.1792-01	8.7676-02	3.0336-04	8.7676-02	3.0336-04	4.2407-04	6.8394-03	6.5388+03	7.6507-05	3.0250+00
55	485.19	4.3792-01	7.4525-02	2.5668-04	7.4525-02	2.5668-04	3.5881-04	5.7869-03	5.5325+03	6.4719-05	3.4150+00
56	493.72	3.1916+01	4.7549+00	1.6493-02	4.7549+00	1.6493-02	2.3056-02	3.7185-01	3.5550+05	4.1601-03	1.1570-01
57	465.52	1.7884+01	2.8184+00	9.5516-03	2.8184+00	9.5516-03	1.3352-02	2.1534-01	2.0588+05	2.4065-03	2.5000-01
58	450.66	1.3697+01	2.1503+00	7.2002-03	2.1503+00	7.2002-03	1.0065-02	1.6233-01	1.5520+05	1.8130-03	4.8300-01
59	445.29	1.2447+01	1.9469+00	6.4911-03	1.9469+00	6.4911-03	9.0738-03	1.4634-01	1.3991+05	1.6341-03	8.7000-01
60	465.90	1.1153+00	1.7802-01	6.0350-04	1.7802-01	6.0350-04	8.4363-04	1.3606-02	1.3008+04	1.5205-04	1.2590+00
61	450.80	8.3018+00	1.3157+00	4.4059-03	1.3157+00	4.4059-03	6.1590-03	9.9334-02	9.4967+04	1.1094-03	1.6500+00
62	459.74	5.3538+00	8.8789-01	2.9949-03	8.8789-01	2.9949-03	4.1866-03	6.7522-02	6.4553+04	7.5439-04	1.7720+00
63	493.40	4.5507-01	7.8544-02	2.7238-04	7.8544-02	2.7238-04	3.8075-04	6.1408-03	5.8709+03	6.8700-05	2.2400+00
64	488.07	5.9688-01	1.0296-01	3.5548-04	1.0296-01	3.5548-04	4.9692-04	8.0144-03	7.6621+03	8.9641-05	3.0250+00
65	492.84	3.1378+01	4.6720+00	1.6194-02	4.6720+00	1.6194-02	2.2637-02	3.6510-01	3.4905+05	4.0844-03	1.1570-01
66	463.87	1.6950+01	2.5930+00	8.7757-03	2.5930+00	8.7757-03	1.2267-02	1.9785-01	1.8915+05	2.2109-03	2.5000-01
67	448.95	1.3409+01	2.1028+00	7.0313-03	2.1028+00	7.0313-03	9.8290-03	1.5852-01	1.5156+05	1.7704-03	4.8300-01
68	439.46	1.1113+01	1.7312+00	5.7452-03	1.7312+00	5.7452-03	8.0312-03	1.2953-01	1.2383+05	1.4460-03	8.7000-01
69	435.82	9.3662+00	1.4827+00	4.9061-03	1.4827+00	4.9061-03	6.8582-03	1.1061-01	1.0575+05	1.2347-03	1.2590+00
70	449.62	7.9662+00	1.2887+00	4.3115-03	1.2887+00	4.3115-03	6.0271-03	9.7205-02	9.2933+04	1.0856-03	1.6500+00
71	458.55	5.3200+00	8.8419-01	2.9796-03	8.8419-01	2.9796-03	4.1652-03	6.7176-02	6.4223+04	7.5050-04	1.7720+00
72	469.83	8.0935-01	1.3634-01	4.6368-04	1.3634-01	4.6368-04	6.4818-04	1.0454-02	9.9944+03	1.1684-04	1.9200+00
73	490.64	4.5039-01	7.7372-02	2.6769-04	7.7372-02	2.6769-04	3.7421-04	6.0353-03	5.7700+03	6.7511-05	2.2400+00
74	484.13	3.4078-01	5.8294-02	2.0060-04	5.8294-02	2.0060-04	2.8042-04	4.5226-03	4.3238+03	5.0578-05	3.0250+00
75	480.12	2.8572-01	4.8889-02	1.6768-04	4.8889-02	1.6768-04	2.3440-04	3.7804-03	3.6142+03	4.2270-05	3.4150+00
76	442.56	1.2042+00	1.9678-01	6.5465-04	1.9678-01	6.5465-04	9.1513-04	1.4759-02	1.4110+04	1.6479-04	2.6360+00
77	456.22	9.9637-01	1.6631-01	5.5939-04	1.6631-01	5.5939-04	7.8197-04	1.2612-02	1.2057+04	1.4089-04	3.0250+00
78	470.45	9.8546-01	1.6657-01	5.6676-04	1.6657-01	5.6676-04	7.9228-04	1.2778-02	1.2216+04	1.4282-04	3.4150+00
79	445.42	1.3652+00	2.2753-01	7.5868-04	2.2753-01	7.5868-04	1.0605-03	1.7105-02	1.6353+04	1.9100-04	2.2400+00
80	447.07	1.2026+00	1.9714-01	6.5821-04	1.9714-01	6.5821-04	9.2010-04	1.4840-02	1.4187+04	1.6571-04	2.6360+00
81	460.20	1.0244+00	1.6995-01	5.7346-04	1.6995-01	5.7346-04	8.0163-04	1.2929-02	1.2361+04	1.4445-04	3.0250+00
82	473.38	9.2623-01	1.5640-01	5.3346-04	1.5640-01	5.3346-04	7.4571-04	1.2027-02	1.1498+04	1.3444-04	3.4150+00
401	527.98	4.8605+01	4.2250+00	1.5087-02	4.2250+00	1.5087-02	2.1091-02	3.4015-01	3.2520+05	3.8107-03	4.4500-01
403	502.47	3.1849+01	2.7244+00	9.5197-03	2.7244+00	9.5197-03	1.3308-02	2.1462-01	2.0519+05	2.4020-03	6.8600-01
404	492.85	2.5791+01	2.1925+00	7.5998-03	2.1925+00	7.5998-03	1.0624-02	1.7134-01	1.6381+05	1.9168-03	8.0100-01
405	489.80	3.0182+01	2.5608+00	8.8536-03	2.5608+00	8.8536-03	1.2376-02	1.9961-01	1.9083+05	2.2328-03	1.0510+00
406	591.70	-3.6343-03	-3.2813-04	-1.2399-06	-3.2813-04	-1.2399-06	-1.7333-06	-2.7955-05	-2.6726+01	-3.1400-07	1.1670+00
407	534.79	6.9086+01	6.1377+00	2.2047-02	6.1377+00	2.2047-02	3.0820-02	4.9706-01	4.7521+05	5.5701-03	1.2830+00
408	501.32	3.3953+01	2.9022+00	1.0131-02	2.9022+00	1.0131-02	1.4162-02	2.2841-01	2.1837+05	2.5561-03	5.1300-01
409	479.45	2.0050+01	1.7096+00	5.8603-03	1.7096+00	5.8603-03	8.1920-03	1.3212-01	1.2631+05	1.4773-03	5.7000-01
410	487.91	2.5172+01	2.1583+00	7.4505-03	2.1583+00	7.4505-03	1.0415-02	1.6797-01	1.6059+05	1.8788-03	6.2800-01
411	469.74	1.6112+01	1.3650+00	4.6420-03	1.3650+00	4.6420-03	6.4890-03	1.0466-01	1.0005+05	1.1697-03	6.8600-01
412	485.35	2.4881+01	2.1297+00	7.3362-03	2.1297+00	7.3362-03	1.0255-02	1.6540-01	1.5813+05	1.8498-03	7.4400-01
413	475.95	1.9834+01	1.6873+00	5.7671-03	1.6873+00	5.7671-03	8.0618-03	1.3002-01	1.2431+05	1.4536-03	8.0100-01
414	480.11	2.0220+01	1.7047+00	5.8467-03	1.7047+00	5.8467-03	8.1731-03	1.3182-01	1.2602+05	1.4739-03	8.5900-01
415	466.41	1.5132+01	1.2717+00	4.3128-03	1.2717+00	4.3128-03	6.0289-03	9.7235-02	9.2960+04	1.0866-03	9.1700-01
416	490.38	2.6492+01	2.2219+00	7.6857-03	2.2219+00	7.6857-03	1.0744-02	1.7328-01	1.6566+05	1.9383-03	5.7000-01
417	487.80	3.4288+01	2.9397+00	1.0147-02	2.9397+00	1.0147-02	1.4184-02	2.2876-01	2.1871+05	2.5587-03	1.0520+00

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173 4 6.86 -5.14 .00 -.00 404 2 3.10 10.04 217.3 1636.5

7.99815+01 4.81745-03 3.39983-01 4.40010+03 5.05347-06 6.47851-08 2.87945-02 7.72000+00 6.64825-06 7.52289-02

1	587.78	6.4469+01	1.1272+01	4.2425-02	1.1272+01	4.2425-02	5.9302-02	9.5650-01	9.1457+05	1.0748-02	.0000+00
2	531.65	4.1841+01	6.3415+00	2.2710-02	6.3415+00	2.2710-02	3.1743-02	5.1200-01	4.8955+05	5.7395-03	1.1570-01
3	492.22	2.5189+01	4.0403+00	1.3993-02	4.0403+00	1.3993-02	1.9559-02	3.1547-01	3.0164+05	3.5308-03	2.5000-01
4	473.94	2.0640+01	3.2917+00	1.1229-02	3.2917+00	1.1229-02	1.5695-02	2.5316-01	2.4206+05	2.8313-03	4.8300-01
5	457.96	1.6617+01	2.6137+00	8.8006-03	2.6137+00	8.8006-03	1.2301-02	1.9841-01	1.8972+05	2.2177-03	8.7000-01
6	448.52	1.3705+01	2.1819+00	7.2912-03	2.1819+00	7.2912-03	1.0192-02	1.6438-01	1.5718+05	1.8366-03	1.2590+00
7	442.91	1.2404+01	1.9612+00	6.5242-03	1.9612+00	6.5242-03	9.1194-03	1.4709-01	1.4064+05	1.6431-03	1.6500+00
8	438.14	8.8021+00	1.4383+00	4.7665-03	1.4383+00	4.7665-03	6.6626-03	1.0746-01	1.0275+05	1.2002-03	1.7720+00
9	430.39	1.9740+00	3.2558-01	1.0724-03	3.2558-01	1.0724-03	1.4989-03	2.4177-02	2.3117+04	2.6993-04	1.9200+00
10	443.99	1.3216+00	2.2197-01	7.3906-04	2.2197-01	7.3906-04	1.0331-03	1.6662-02	1.5932+04	1.8613-04	2.2400+00
11	452.40	1.1018+00	1.8776-01	6.2937-04	1.8776-01	6.2937-04	8.7974-04	1.4189-02	1.3567+04	1.5856-04	2.6360+00
12	466.66	9.7922-01	1.6800-01	5.6968-04	1.6800-01	5.6968-04	7.9630-04	1.2844-02	1.2281+04	1.4360-04	3.0250+00
13	478.08	9.8650-01	1.7054-01	5.8373-04	1.7054-01	5.8373-04	8.1593-04	1.3160-02	1.2584+04	1.4721-04	3.4150+00
14	534.73	4.0964+01	6.2415+00	2.2411-02	6.2415+00	2.2411-02	3.1326-02	5.0527-01	4.8312+05	5.6648-03	1.1570-01
15	487.66	2.3341+01	3.7563+00	1.2960-02	3.7563+00	1.2960-02	1.8115-02	2.9218-01	2.7937+05	3.2695-03	2.5000-01
16	470.13	1.9310+01	3.0431+00	1.0348-02	3.0431+00	1.0348-02	1.4465-02	2.3331-01	2.2308+05	2.6089-03	4.8300-01
17	455.10	1.4749+01	2.3226+00	7.8024-03	2.3226+00	7.8024-03	1.0906-02	1.7591-01	1.6820+05	1.9659-03	8.7000-01
18	448.00	1.3245+01	2.0950+00	6.9976-03	2.0950+00	6.9976-03	9.7813-03	1.5776-01	1.5085+05	1.7626-03	1.2590+00
19	445.79	1.1680+01	1.8618+00	6.2077-03	1.8618+00	6.2077-03	8.6770-03	1.3995-01	1.3382+05	1.5635-03	1.6500+00
20	439.71	6.9938+00	1.1508+00	3.8187-03	1.1508+00	3.8187-03	5.3378-03	8.6094-02	8.2320+04	9.6159-04	1.7720+00
21	464.91	1.6348+01	2.5592+00	8.6660-03	2.5592+00	8.6660-03	1.2113-02	1.9538-01	1.8682+05	2.1844-03	4.8300-01
22	454.92	1.4310+01	2.2742+00	7.6387-03	2.2742+00	7.6387-03	1.0677-02	1.7222-01	1.6467+05	1.9246-03	8.7000-01
23	447.57	1.2345+01	1.9581+00	6.5383-03	1.9581+00	6.5383-03	9.1392-03	1.4741-01	1.4095+05	1.6469-03	1.2590+00
24	448.93	1.1027+01	1.7722+00	5.9241-03	1.7722+00	5.9241-03	8.2806-03	1.3356-01	1.2771+05	1.4923-03	1.6500+00
25	446.75	7.7003+00	1.2507+00	4.1736-03	1.2507+00	4.1736-03	5.8338-03	9.4095-02	8.9970+04	1.0512-03	1.7720+00
26	448.47	1.5740+00	2.6289-01	8.7844-04	2.6289-01	8.7844-04	1.2279-03	1.9805-02	1.8937+04	2.2128-04	1.9200+00
27	476.01	8.8156-01	1.4999-01	5.1254-04	1.4999-01	5.1254-04	7.1643-04	1.1555-02	1.1049+04	1.2925-04	3.0250+00
28	492.46	7.7247-01	1.3286-01	4.6021-04	1.3286-01	4.6021-04	6.4328-04	1.0376-02	9.9208+03	1.1613-04	3.4150+00
29	461.54	2.0463+01	3.2264+00	1.0895-02	3.2264+00	1.0895-02	1.5229-02	2.4563-01	2.3487+05	2.7458-03	8.7000-01
30	444.78	1.0567+01	1.6678+00	5.5564-03	1.6678+00	5.5564-03	7.7667-03	1.2527-01	1.1978+05	1.3994-03	1.2590+00
31	450.92	1.0157+01	1.6247+00	5.4395-03	1.6247+00	5.4395-03	7.6034-03	1.2264-01	1.1726+05	1.3703-03	1.6500+00
32	451.87	6.5179+00	1.0624+00	3.5598-03	1.0624+00	3.5598-03	4.9759-03	8.0257-02	7.6739+04	8.9682-04	1.7720+00
33	477.40	8.1766-01	1.3681-01	4.6802-04	1.3681-01	4.6802-04	6.5419-04	1.0552-02	1.0089+04	1.1803-04	2.2400+00
34	490.97	6.7585-01	1.1443-01	3.9589-04	1.1443-01	3.9589-04	5.5337-04	8.9255-03	8.5342+03	9.9891-05	3.0250+00
35	475.20	2.3637+01	3.4789+00	1.1880-02	3.4789+00	1.1880-02	1.6606-02	2.6784-01	2.5610+05	2.9957-03	1.1570-01
37	483.00	2.0633+01	3.2174+00	1.1058-02	3.2174+00	1.1058-02	1.5456-02	2.4930-01	2.3837+05	2.7892-03	1.2500+00
38	464.20	1.8873+00	3.1487-01	1.0656-03	3.1487-01	1.0656-03	1.4895-03	2.4024-02	2.2971+04	2.6858-04	1.9200+00
39	486.20	1.3153+00	2.2465-01	7.7412-04	2.2465-01	7.7412-04	1.0821-03	1.7453-02	1.6688+04	1.9529-04	2.2400+00
40	492.15	1.0390+00	1.8075-01	6.2593-04	1.8075-01	6.2593-04	8.7492-04	1.4112-02	1.3493+04	1.5794-04	3.0250+00
41	488.20	7.7247-01	1.3288-01	4.5865-04	1.3288-01	4.5865-04	6.4111-04	1.0341-02	9.8873+03	1.1571-04	3.4150+00
42	499.66	3.1131+01	5.0490+00	1.7595-02	5.0490+00	1.7595-02	2.4594-02	3.9668-01	3.7930+05	4.4411-03	8.7000-01
43	505.92	3.6587+01	6.0690+00	2.1262-02	6.0690+00	2.1262-02	2.9719-02	4.7935-01	4.5834+05	5.3679-03	1.2590+00
44	498.41	3.0435+01	5.0396+00	1.7544-02	5.0396+00	1.7544-02	2.4523-02	3.9554-01	3.7820+05	4.4280-03	1.6500+00
45	482.49	1.7361+01	2.8712+00	9.8636-03	2.8712+00	9.8636-03	1.3787-02	2.2238-01	2.1263+05	2.4879-03	1.7720+00
46	493.17	7.3559-01	1.2472-01	4.3229-04	1.2472-01	4.3229-04	6.0425-04	9.7461-03	9.3189+03	1.0908-04	2.2400+00
47	491.84	1.4187+00	2.4391-01	8.4444-04	2.4391-01	8.4444-04	1.1804-03	1.9038-02	1.8204+04	2.1308-04	3.0250+00
48	452.66	1.2841+01	1.9935+00	6.6838-03	1.9935+00	6.6838-03	9.3426-03	1.5069-01	1.4408+05	1.6839-03	8.7000-01
49	443.95	9.8322+00	1.5664+00	5.1954-03	1.5604+00	5.1954-03	7.2621-03	1.1713-01	1.1200+05	1.3085-03	1.2590+00
50	465.59	1.3533+01	2.2199+00	7.5210-03	2.2199+00	7.5210-03	1.0513-02	1.6956-01	1.6213+05	1.8958-03	1.6500+00
51	467.84	8.3055+00	1.3644+00	4.6311-03	1.3644+00	4.6311-03	6.4734-03	1.0441-01	9.9834+04	1.1675-03	1.7720+00
52	476.51	1.2727+00	2.1472-01	7.3403-04	2.1472-01	7.3403-04	1.0260-03	1.6549-02	1.5824+04	1.8510-04	1.9200+00
53	496.39	6.5040-01	1.1051-01	3.8405-04	1.1051-01	3.8405-04	5.3683-04	8.6586-03	8.2791+03	9.6925-05	2.2400+00
54	495.08	6.7169-01	1.1403-01	3.9586-04	1.1403-01	3.9586-04	5.5333-04	8.9247-03	8.5335+03	9.9899-05	2.6360+00
55	490.96	5.2572-01	8.9010-02	3.0794-04	8.9010-02	3.0794-04	4.3044-04	6.9427-03	6.6383+03	7.7700-05	3.0250+00
56	485.41	4.4312-01	7.5420-02	2.5972-04	7.5420-02	2.5972-04	3.6304-04	5.8555-03	5.5989+03	6.5519-05	3.4150+00
57	509.75	3.2132+01	4.8365+00	1.6999-02	4.8365+00	1.6999-02	2.3760-02	3.8324-01	3.6644+05	4.2923-03	1.1570-01
58	474.47	1.7852+01	2.8304+00	9.6594-03	2.8304+00	9.6594-03	1.3502-02	2.1777-01	2.0823+05	2.4357-03	2.5000-01
59	457.43	1.3723+01	2.1644+00	7.2849-03	2.1644+00	7.2849-03	1.0183-02	1.6424-01	1.5704+05	1.8357-03	4.8300-01
60	451.35	1.1870+01	1.8644+00	6.2442-03	1.8644+00	6.2442-03	8.7281-03	1.4078-01	1.3461+05	1.5731-03	8.7000-01
61	466.46	1.0421+00	1.6639-01	5.6415-04	1.6639-01	5.6415-04	7.8857-04	1.2719-02	1.2161+04	1.4221-04	1.2590+00
62	454.81	8.2218+00	1.3066+00	4.3882-03	1.3066+00	4.3882-03	6.1338-03	9.8933-02	9.4596+04	1.1056-03	1.6500+00
63	462.44	5.3590+00	8.9037-01	3.0089-03	8.9037-01	3.0089-03	4.2059-03	6.7837-02	6.4864+04	7.5835-04	1.7720+00
64	493.63	4.2753-01	7.3803-02	2.5590-04	7.3803-02	2.5590-04	3.5769-04	5.7693-03	5.5164+03	6.4575-05	2.2400+00
65	488.38	5.5221-01	9.5277-02	3.2891-04	9.5277-02	3.2891-04	4.5975-04	7.4155-03	7.0905+03	8.2983-05	3.0250+00
66	508.57	3.1543+01	4.7443+00	1.6658-02	4.7443+00	1.6658-02	2.3284-02	3.7555-01	3.5909+05	4.2060-03	1.1570-01
67	472.34	1.6961+01	2.6094+00	8.8898-03	2.6094+00	8.8898-03	1.2426-02	2.0042-01	1.9164+05	2.2414-03	2.5000-01
68	455.55	1.3354+01	2.1036+00	7.0693-03	2.1036+00	7.0693-03	9.8814-03	1.5938-01	1.5239+05	1.7812-03	4.8300-01
69	444.99	1.1069+01	1.7310+00	5.7681-03	1.7310+00	5.7681-03	8.0627-03	1.3004-01	1.2434+05	1.4528-03	8.7000-01
70	440.48	9.3138+00	1.4791+00	4.9111-03	1.4791+00	4.9111-03	6.8647-03	1.1072-01	1.0587+05	1.2367-03	1.2590+00
71	453.46	7.7694+00	1.2602+00	4.2278-03	1.2602+00	4.2278-03	5.9096-03	9.5317-02	9.1139+04	1.0652-03	1.6500+00
72	461.16	5.2057+00	8.6672-01	2.9260-03	8.6672-01	2.9260-03	4.0899-03	6.5967-02	6.3075+04	7.3740-04	1.7720+00
73	470.23	7.6675-01	1.2920-01	4.3940-04	1.2920-01	4.3940-04	6.1419-04	9.9064-03	9.4722+03	1.1078-04	1.9200+00
74	490.85	4.0520-01	6.9618-02	2.4083-04	6.9618-02	2.4083-04	3.3663-04	5.4296-03	5.1916+03	6.0765-05	2.2400+00
75	484.34	3.6416-01	6.2301-02	2.1436-04	6.2301-02	2.1436-04	2.9962-04	4.8327-03	4.6209+03	5.4072-05	3.0250+00
76	480.29	3.3039-01	5.6539-02	1.9388-04	5.6539-02	1.9388-04	2.7101-04	4.3711-03	4.1795+03	4.8899-05	3.4150+00
77	443.10	1.1335+00	1.8531-01	6.1654-04	1.8531-01	6.1654-04	8.6180-04	1.3900-02	1.3291+04	1.5527-04	2.6360+00
78	456.75	1.0343+00	1.7271-01	5.8096-04	1.7271-01	5.8096-04	8.1206-04	1.3098-02	1.2524+04	1.4639-04	3.0250+00
79	470.93	9.2104-01	1.5573-01	5.2992-04	1.5573-01	5.2992-04	7.4072-04	1.1947-02	1.1424+04	1.3360-04	3.4150+00
80	446.10	1.3169+00	2.1958-01	7.3234-04	2.1958-01	7.3234-04	1.0237-03	1.6511-02	1.5787+04	1.8446-04	2.2400+00
81	447.65	1.2000+00	1.9679-01	6.5715-04	1.9679-01	6.5715-04	9.1856-04	1.4816-02	1.4166+04	1.6553-04	2.6360+00
82	460.73	1.0603+00	1.7596-01	5.9380-04	1.7596-01	5.9380-04	8.3001-04	1.3387-02	1.2801+04	1.4965-04	3.0250+00
83	473.87	1.0010+00	1.6909-01	5.7677-04	1.6909-01	5.7677-04	8.0621-04	1.3003-02	1.2433+04	1.4543-04	3.4150+00
401	552.02	4.7297+01	4.1721+00	1.5208-02	4.1721+00	1.5208-02	2.1258-02	3.4288-01	3.2785+05	3.8470-03	4.4500-01
403	517.70	2.9344+01	2.5344+00	8.9679-03	2.5344+00	8.9679-03	1.2535-02	2.0219-01	1.9332+05	2.2652-03	6.8600-01
404	505.14	2.3711+01	2.0317+00	7.1128-03	2.0317+00	7.1128-03	9.9423-03	1.6036-01	1.5333+05	1.7957-03	8.0100-01
405	504.19	2.7868+01	2.3864+00	8.3480-03	2.3864+00	8.3480-03	1.1669-02	1.8821-01	1.7996+05	2.1075-03	1.0510+00
406	591.71	-3.1150-03	-2.8124-04	-1.0624-06	-2.8124-04	-1.0624-06	-1.4850-06	-2.3952-05	-2.2902+01	-2.6917-07	1.1670+00
407	567.73	6.2834+01	5.6940+00	2.1047-02	5.6940+00	2.1047-02	2.9420-02	4.7452-01	4.5372+05	5.3274-03	1.2830+00
408	518.64	3.4995+01	3.0243+00	1.0710-02	3.0243+00	1.0710-02	1.4970-02	2.4146-01	2.3087+05	2.7053-03	5.1300-01
409	489.73	2.0992+01	1.8020+00	6.2279-03	1.8020+00	6.2279-03	8.7053-03	1.4041-01	1.3425+05	1.5713-03	5.7000-01
410	500.58	2.5544+01	2.2082+00	7.7013-03	2.2082+00	7.7013-03	1.0765-02	1.7363-01	1.6602+05	1.9439-03	6.2800-01
411	478.16	1.7460+01	1.4875+00	5.0920-03	1.4875+00	5.0920-03	7.1175-03	1.1480-01	1.0977+05	1.2842-03	6.8600-01
412	497.74	2.4578+01	2.1208+00	7.3790-03	2.1208+00	7.3790-03	1.0314-02	1.6636-01	1.5907+05	1.8624-03	7.4400-01
413	485.73	1.9261+01	1.6491+00	5.6805-03	1.6491+00	5.6805-03	7.9402-03	1.2807-01	1.2246+05	1.4330-03	8.0100-01
414	490.05	1.9515+01	1.6560+00	5.7248-03	1.6560+00	5.7248-03	8.0021-03	1.2907-01	1.2341+05	1.4444-03	8.5900-01
415	473.98	1.5058+01	1.2718+00	4.3387-03	1.2718+00	4.3387-03	6.0646-03	9.7818-02	9.3531+04	1.0940-03	9.1700-01
416	504.01	2.7877+01	2.3587+00	8.2498-03	2.3587+00	8.2498-03	1.1532-02	1.8600-01	1.7784+05	2.0827-03	5.7000-01
417	504.65	3.2660+01	2.8307+00	9.9061-03	2.8307+00	9.9061-03	1.3847-02	2.2334-01	2.1355+05	2.5009-03	1.0520+00

[redacted]

174 4 1.79 -10.21 .00 -.00 404 2 1.90 10.04 220.0 1630.2

7.96371+01 4.87883-03 3.44370-01 4.39096+03 5.13999-06 6.45061-08 2.93531-02 7.72000+00 6.61553-06 7.52755-02

1	502.44	7.5898+01	1.2600+01	4.4293-02	1.2600+01	4.4293-02	6.0997-02	9.8864-01	9.5956+05	1.1172-02	.0000+00
2	486.13	4.8806+01	7.1864+00	2.4919-02	7.1864+00	2.4919-02	3.4316-02	5.5619-01	5.3983+05	6.2812-03	1.1570-01
3	470.57	2.9894+01	4.7272+00	1.6181-02	4.7272+00	1.6181-02	2.2284-02	3.6117-01	3.5055+05	4.0763-03	2.5000-01
4	459.13	2.3724+01	3.7461+00	1.2703-02	3.7461+00	1.2703-02	1.7494-02	2.8354-01	2.7520+05	3.1987-03	4.8300-01
5	448.59	1.8559+01	2.9006+00	9.7524-03	2.9006+00	9.7524-03	1.3430-02	2.1768-01	2.1127+05	2.4547-03	8.7000-01
6	441.42	1.5740+01	2.4937+00	8.3360-03	2.4937+00	8.3360-03	1.1480-02	1.8606-01	1.8059+05	2.0976-03	1.2590+00
7	437.58	1.3927+01	2.1938+00	7.3111-03	2.1938+00	7.3111-03	1.0068-02	1.6319-01	1.5839+05	1.8394-03	1.6500+00
8	437.45	1.0655+01	1.7402+00	5.7987-03	1.7402+00	5.7987-03	7.9855-03	1.2943-01	1.2562+05	1.4589-03	1.7720+00
9	437.07	2.6088+00	4.3229-01	1.4401-03	4.3229-01	1.4401-03	1.9832-03	3.2143-02	3.1198+04	3.6231-04	1.9200+00
10	449.08	1.9247+00	3.2441-01	1.0912-03	3.2441-01	1.0912-03	1.5027-03	2.4355-02	2.3639+04	2.7465-04	2.2400+00
11	455.51	1.6291+00	2.7819-01	9.4061-04	2.7819-01	9.4061-04	1.2953-03	2.0995-02	2.0377+04	2.3682-04	2.6360+00
12	468.13	1.6343+00	2.8066-01	9.5877-04	2.8066-01	9.5877-04	1.3203-03	2.1400-02	2.0770+04	2.4151-04	3.0250+00
13	477.78	1.5881+00	2.7447-01	9.4514-04	2.7447-01	9.4514-04	1.3016-03	2.1096-02	2.0475+04	2.3816-04	3.4150+00
14	489.35	4.6404+01	6.8703+00	2.3887-02	6.8703+00	2.3887-02	3.2895-02	5.3316-01	5.1748+05	6.0219-03	1.1570-01
15	466.60	2.6441+01	4.1961+00	1.4317-02	4.1961+00	1.4317-02	1.9716-02	3.1955-01	3.1015+05	3.6061-03	2.5000-01
16	454.96	2.1482+01	3.3508+00	1.1324-02	3.3508+00	1.1324-02	1.5595-02	2.5277-01	2.4533+05	2.8511-03	4.8300-01
17	445.30	1.6986+01	2.6569+00	8.9096-03	2.6569+00	8.9096-03	1.2270-02	1.9886-01	1.9302+05	2.2423-03	8.7000-01
18	439.13	1.4792+01	2.3255+00	7.7595-03	2.3255+00	7.7595-03	1.0686-02	1.7319-01	1.6810+05	1.9524-03	1.2590+00
19	439.96	1.2649+01	2.0081+00	6.7049-03	2.0081+00	6.7049-03	9.2335-03	1.4966-01	1.4525+05	1.6871-03	1.6500+00
20	440.82	7.6016+00	1.2518+00	4.1827-03	1.2518+00	4.1827-03	5.7601-03	9.3359-02	9.0613+04	1.0525-03	1.7720+00
21	452.74	1.8429+01	2.8613+00	9.6528-03	2.8613+00	9.6528-03	1.3293-02	2.1545-01	2.0912+05	2.4300-03	4.8300-01
22	445.00	1.6682+01	2.6332+00	8.8280-03	2.6332+00	8.8280-03	1.2157-02	1.9704-01	1.9125+05	2.2217-03	8.7000-01
23	438.55	1.3584+01	2.1413+00	7.1417-03	2.1413+00	7.1417-03	9.8351-03	1.5941-01	1.5472+05	1.7969-03	1.2590+00
24	443.07	1.1716+01	1.8755+00	6.2777-03	1.8755+00	6.2777-03	8.6452-03	1.4012-01	1.3600+05	1.5798-03	1.6500+00
25	445.60	8.4140+00	1.3656+00	4.5804-03	1.3656+00	4.5804-03	6.3078-03	1.0224-01	9.9229+04	1.1528-03	1.7720+00
26	452.85	1.6696+00	2.7969-01	9.4363-04	2.7969-01	9.4363-04	1.2995-03	2.1062-02	2.0443+04	2.3755-04	1.9200+00
27	478.66	1.1673+00	1.9896-01	6.8560-04	1.9896-01	6.8560-04	9.4416-04	1.5303-02	1.4853+04	1.7277-04	3.0250+00
28	492.23	1.0701+00	1.8403-01	6.4136-04	1.8403-01	6.4136-04	8.8324-04	1.4315-02	1.3894+04	1.6171-04	3.4150+00
29	442.51	1.0997+01	1.7115+00	5.7262-03	1.7115+00	5.7262-03	7.8857-03	1.2781-01	1.2405+05	1.4410-03	8.7000-01
30	439.11	1.2185+01	1.9156+00	6.3919-03	1.9156+00	6.3919-03	8.8024-03	1.4267-01	1.3847+05	1.6083-03	1.2590+00
31	446.48	1.1078+01	1.7666+00	5.9297-03	1.7666+00	5.9297-03	8.1659-03	1.3235-01	1.2846+05	1.4924-03	1.6500+00
32	452.17	6.8608+00	1.1185+00	3.7717-03	1.1185+00	3.7717-03	5.1941-03	8.4185-02	8.1709+04	9.4947-04	1.7720+00
33	479.62	1.0042+00	1.6826-01	5.8027-04	1.6826-01	5.8027-04	7.9910-04	1.2952-02	1.2571+04	1.4623-04	2.2400+00
34	490.63	9.5532-01	1.6171-01	5.6285-04	1.6171-01	5.6285-04	7.7511-04	1.2563-02	1.2193+04	1.4190-04	3.0250+00
35	441.06	1.1055+01	1.5898+00	5.3130-03	1.5898+00	5.3130-03	7.3166-03	1.1859-01	1.1510+05	1.3369-03	1.1570-01
37	463.41	2.0136+01	3.0993+00	1.0547-02	3.0993+00	1.0547-02	1.4524-02	2.3541-01	2.2848+05	2.6562-03	1.2500+00
38	471.16	1.2769+00	2.1403-01	7.3297-04	2.1403-01	7.3297-04	1.0094-03	1.6360-02	1.5879+04	1.8465-04	1.9200+00
39	488.02	9.3091-01	1.5918-01	5.5282-04	1.5918-01	5.5282-04	7.6130-04	1.2339-02	1.1976+04	1.3936-04	2.2400+00
40	487.62	4.7325-01	8.2088-02	2.8499-04	8.2088-02	2.8499-04	3.9247-04	6.3611-03	6.1740+03	7.1842-05	3.0250+00
41	487.54	7.8701-01	1.3532-01	4.6978-04	1.3532-01	4.6978-04	6.4694-04	1.0486-02	1.0177+04	1.1842-04	3.4150+00
42	451.01	2.0673+01	3.2463+00	1.0936-02	3.2463+00	1.0936-02	1.5061-02	2.4410-01	2.3692+05	2.7529-03	8.7000-01
43	448.26	1.7735+01	2.8317+00	9.5183-03	2.8317+00	9.5183-03	1.3108-02	2.1245-01	2.0620+05	2.3957-03	1.2590+00
44	461.38	1.4068+01	2.2733+00	7.7232-03	2.2733+00	7.7232-03	1.0636-02	1.7238-01	1.6731+05	1.9449-03	1.6500+00
45	468.97	8.4255+00	1.3810+00	4.7209-03	1.3810+00	4.7209-03	6.5013-03	1.0537-01	1.0227+05	1.1892-03	1.7720+00
46	495.47	1.5938+00	2.7063-01	9.4578-04	2.7063-01	9.4578-04	1.3025-03	2.1110-02	2.0489+04	2.3849-04	2.2400+00
47	490.51	1.8525+00	3.1820-01	1.1074-03	3.1820-01	1.1074-03	1.5250-03	2.4718-02	2.3991+04	2.7919-04	3.0250+00
48	445.30	1.3279+01	2.0512+00	6.8784-03	2.0512+00	6.8784-03	9.4724-03	1.5353-01	1.4901+05	1.7311-03	8.7000-01
49	442.02	1.3342+01	2.1147+00	7.0726-03	2.1147+00	7.0726-03	9.7399-03	1.5786-01	1.5322+05	1.7797-03	1.2590+00
50	462.87	1.5785+01	2.5844+00	8.7908-03	2.5844+00	8.7908-03	1.2106-02	1.9621-01	1.9044+05	2.2139-03	1.6500+00
51	470.94	8.5117+00	1.4012+00	4.7977-03	1.4012+00	4.7977-03	6.6070-03	1.0709-01	1.0394+05	1.2086-03	1.7720+00
52	481.47	8.7273-01	1.4772-01	5.1024-04	1.4772-01	5.1024-04	7.0266-04	1.1389-02	1.1054+04	1.2859-04	1.9200+00
53	494.77	5.9636-01	1.0122-01	3.5353-04	1.0122-01	3.5353-04	4.8686-04	7.8909-03	7.6588+03	8.9145-05	2.2400+00
54	492.24	4.3481-01	7.3679-02	2.5679-04	7.3679-02	2.5679-04	3.5363-04	5.7316-03	5.5630+03	6.4744-05	2.6360+00
55	486.97	7.7766-01	1.3133-01	4.5569-04	1.3133-01	4.5569-04	6.2754-04	1.0171-02	9.8719+03	1.1487-04	3.0250+00
56	483.05	9.8078-01	1.6667-01	5.7645-04	1.6667-01	5.7645-04	7.9384-04	1.2867-02	1.2488+04	1.4529-04	3.4150+00
57	472.06	2.7090+01	3.9789+00	1.3637-02	3.9789+00	1.3637-02	1.8779-02	3.0437-01	2.9542+05	3.4355-03	1.1570-01
58	455.14	1.4374+01	2.2494+00	7.6032-03	2.2494+00	7.6032-03	1.0471-02	1.6971-01	1.6471+05	1.9142-03	2.5000-01
59	443.57	1.0965+01	1.7130+00	5.7364-03	1.7130+00	5.7364-03	7.8997-03	1.2804-01	1.2427+05	1.4436-03	4.8300-01
60	440.63	1.3436+01	2.0949+00	6.9986-03	2.0949+00	6.9986-03	9.6379-03	1.5621-01	1.5162+05	1.7610-03	8.7000-01
61	469.19	1.2421+00	1.9869-01	6.7935-04	1.9869-01	6.7935-04	9.3555-04	1.5163-02	1.4717+04	1.7113-04	1.2590+00
62	452.89	6.0608+00	9.6188-01	3.2453-03	9.6188-01	3.2453-03	4.4692-03	7.2437-02	7.0306+04	8.1699-04	1.6500+00
63	464.43	4.2582+00	7.0843-01	2.4128-03	7.0843-01	2.4128-03	3.3227-03	5.3854-02	5.2270+04	6.0767-04	1.7720+00
64	492.44	6.5247-01	1.1255-01	3.9231-04	1.1255-01	3.9231-04	5.4026-04	8.7565-03	8.4990+03	9.8915-05	2.2400+00
65	484.63	4.7844-01	8.2347-02	2.8518-04	8.2347-02	2.8518-04	3.9273-04	6.3653-03	6.1780+03	7.1881-05	3.0250+00
66	470.59	2.5347+01	3.7192+00	1.2731-02	3.7192+00	1.2731-02	1.7532-02	2.8416-01	2.7580+05	3.2072-03	1.1570-01
67	454.50	1.2809+01	1.9471+00	6.5781-03	1.9471+00	6.5781-03	9.0589-03	1.4683-01	1.4251+05	1.6561-03	2.5000-01
68	441.63	9.5906+00	1.4964+00	5.0030-03	1.4964+00	5.0030-03	6.8898-03	1.1167-01	1.0838+05	1.2589-03	4.8300-01
69	433.48	7.6353+00	1.1845+00	3.9347-03	1.1845+00	3.9347-03	5.4186-03	8.7825-02	8.5241+04	9.8980-04	8.7000-01
70	433.53	6.3288+00	1.0002+00	3.3226-03	1.0002+00	3.3226-03	4.5757-03	7.4162-02	7.1981+04	8.3583-04	1.2590+00
71	448.51	5.9475+00	9.6141-01	3.2323-03	9.6141-01	3.2323-03	4.4512-03	7.2145-02	7.0023+04	8.1356-04	1.6500+00
72	460.15	4.2171+00	7.0165-01	2.3814-03	7.0165-01	2.3814-03	3.2794-03	5.3153-02	5.1589+04	5.9966-04	1.7720+00
73	472.83	6.3325-01	1.0689-01	3.6657-04	1.0689-01	3.6657-04	5.0481-04	8.1819-03	7.9412+03	9.2353-05	1.9200+00
74	488.68	3.3610-01	5.7665-02	2.0038-04	5.7665-02	2.0038-04	2.7595-04	4.4725-03	4.3410+03	5.0515-05	2.2400+00
75	479.98	2.5351-01	4.3247-02	1.4919-04	4.3247-02	1.4919-04	2.0545-04	3.3300-03	3.2320+03	3.7597-05	3.0250+00
76	478.16	2.6494-01	4.5274-02	1.5595-04	4.5274-02	1.5595-04	2.1476-04	3.4809-03	3.3785+03	3.9298-05	3.4150+00
77	444.23	1.6171+00	2.6458-01	8.8644-04	2.6458-01	8.8644-04	1.2207-03	1.9786-02	1.9204+04	2.2308-04	2.6360+00
78	453.85	1.4883+00	2.4803-01	8.3749-04	2.4803-01	8.3749-04	1.1533-03	1.8693-02	1.8143+04	2.1084-04	3.0250+00
79	470.77	1.4571+00	2.4634-01	8.4338-04	2.4634-01	8.4338-04	1.1614-03	1.8824-02	1.8271+04	2.1246-04	3.4150+00
80	448.33	1.8577+00	3.1023-01	1.0429-03	3.1023-01	1.0429-03	1.4361-03	2.3277-02	2.2592+04	2.6248-04	2.2400+00
81	450.19	1.7829+00	2.9289-01	9.8602-04	2.9289-01	9.8602-04	1.3579-03	2.2008-02	2.1361+04	2.4820-04	2.6360+00
82	461.26	1.5808+00	2.6243-01	8.9148-04	2.6243-01	8.9148-04	1.2277-03	1.9898-02	1.9313+04	2.2450-04	3.0250+00
83	473.66	1.6223+00	2.7399-01	9.4028-04	2.7399-01	9.4028-04	1.2949-03	2.0987-02	2.0370+04	2.3690-04	3.4150+00
401	506.63	6.3088+01	5.4109+00	1.9089-02	5.4109+00	1.9089-02	2.6288-02	4.2607-01	4.1354+05	4.8157-03	4.4500-01
403	489.76	4.4548+01	3.7795+00	1.3145-02	3.7795+00	1.3145-02	1.8102-02	2.9340-01	2.8477+05	3.3140-03	6.8600-01
404	485.24	4.1192+01	3.4845+00	1.2073-02	3.4845+00	1.2073-02	1.6626-02	2.6948-01	2.6155+05	3.0432-03	8.0100-01
405	465.39	2.2934+01	1.9146+00	6.5260-03	1.9146+00	6.5260-03	8.9872-03	1.4566-01	1.4138+05	1.6437-03	1.0510+00
406	591.71	-2.5974-03	-2.3451-04	-8.9198-07	-2.3451-04	-8.9198-07	-1.2284-06	-1.9909-05	-1.9324+01	-2.2581-07	1.1670+00
407	465.43	3.1540+01	2.6799+00	9.1348-03	2.6799+00	9.1348-03	1.2580-02	2.0389-01	1.9789+05	2.3007-03	1.2830+00
408	486.57	3.8082+01	3.2242+00	1.1184-02	3.2242+00	1.1184-02	1.5401-02	2.4963-01	2.4228+05	2.8192-03	5.1300-01
409	469.38	1.9849+01	1.6812+00	5.7492-03	1.6812+00	5.7492-03	7.9174-03	1.2832-01	1.2455+05	1.4483-03	5.7000-01
410	481.21	3.1263+01	2.6688+00	9.2162-03	2.6688+00	9.2162-03	1.2692-02	2.0571-01	1.9966+05	2.3227-03	6.2800-01
411	465.90	1.3164+01	1.1124+00	3.7930-03	1.1124+00	3.7930-03	5.2235-03	8.4661-02	8.2171+04	9.5535-04	6.8600-01
412	481.28	3.6415+01	3.1087+00	1.0736-02	3.1087+00	1.0736-02	1.4785-02	2.3963-01	2.3258+05	2.7057-03	7.4400-01
413	462.80	1.3516+01	1.1398+00	3.8767-03	1.1398+00	3.8767-03	5.3387-03	8.6529-02	8.3984+04	9.7631-04	8.0100-01
414	481.19	3.8025+01	3.2080+00	1.1078-02	3.2080+00	1.1078-02	1.5256-02	2.4727-01	2.3999+05	2.7919-03	8.5900-01
415	462.45	1.2936+01	1.0842+00	3.6865-03	1.0842+00	3.6865-03	5.0768-03	8.2284-02	7.9864+04	9.2840-04	9.1700-01
416	482.78	3.0012+01	2.5047+00	8.6607-03	2.5047+00	8.6607-03	1.1927-02	1.9331-01	1.8762+05	2.1828-03	5.7000-01
417	476.27	3.8282+01	3.2573+00	1.1202-02	3.2573+00	1.1202-02	1.5427-02	2.5004-01	2.4269+05	2.8227-03	1.0520+00

174 4 1.81 -10.19 .00 -.00 404 2 2.15 10.04 220.0 1630.2

7.96371+01 4.87883-03 3.44370-01 4.39096+03 5.13999-06 6.45061-08 2.93531-02 7.72000+00 6.61553-06 7.52755-02

1	521.04	7.3058+01	1.2272+01	4.3824-02	1.2272+01	4.3824-02	6.0352-02	9.7817-01	9.4940+05	1.1064-02	.0000+00
2	498.49	4.8740+01	7.2344+00	2.5342-02	7.2344+00	2.5342-02	3.4899-02	5.6565-01	5.4901+05	6.3922-03	1.1570-01
3	478.11	2.9818+01	4.7388+00	1.6320-02	4.7388+00	1.6320-02	2.2474-02	3.6426-01	3.5355+05	4.1131-03	2.5000-01
4	465.21	2.4001+01	3.8054+00	1.2967-02	3.8054+00	1.2967-02	1.7857-02	2.8942-01	2.8091+05	3.2664-03	4.8300-01
5	453.17	1.8489+01	2.8986+00	9.7804-03	2.8986+00	9.7804-03	1.3469-02	2.1830-01	2.1188+05	2.4626-03	8.7000-01
6	445.33	1.5432+01	2.4515+00	8.2194-03	2.4515+00	8.2194-03	1.1319-02	1.8346-01	1.7806+05	2.0689-03	1.2590+00
7	440.98	1.3671+01	2.1585+00	7.2120-03	2.1585+00	7.2120-03	9.9318-03	1.6097-01	1.5624+05	1.8150-03	1.6500+00
8	440.03	1.0327+01	1.6897+00	5.6414-03	1.6897+00	5.6414-03	7.7689-03	1.2592-01	1.2221+05	1.4197-03	1.7720+00
9	437.74	2.5964+00	4.3043-01	1.4344-03	4.3043-01	1.4344-03	1.9754-03	3.2016-02	3.1075+04	3.6095-04	1.9200+00
10	449.57	1.9034+00	3.2093-01	1.0797-03	3.2093-01	1.0797-03	1.4869-03	2.4099-02	2.3391+04	2.7182-04	2.2400+00
11	455.98	1.7029+00	2.9088-01	9.8373-04	2.9088-01	9.8373-04	1.3547-03	2.1957-02	2.1311+04	2.4772-04	2.6360+00
12	468.53	1.6016+00	2.7511-01	9.3998-04	2.7511-01	9.3998-04	1.2945-03	2.0981-02	2.0364+04	2.3682-04	3.0250+00
13	478.18	1.6301+00	2.8182-01	9.7060-04	2.8182-01	9.7060-04	1.3366-03	2.1664-02	2.1027+04	2.4462-04	3.4150+00
14	500.91	4.5981+01	6.8588+00	2.4076-02	6.8588+00	2.4076-02	3.3155-02	5.3737-01	5.2157+05	6.0733-03	1.1570-01
15	473.29	2.6463+01	4.2185+00	1.4470-02	4.2185+00	1.4470-02	1.9927-02	3.2297-01	3.1347+05	3.6462-03	2.5000-01
16	460.37	2.1676+01	3.3936+00	1.1518-02	3.3936+00	1.1518-02	1.5861-02	2.5708-01	2.4952+05	2.9008-03	4.8300-01
17	449.50	1.6716+01	2.6222+00	8.8216-03	2.6222+00	8.8216-03	1.2148-02	1.9690-01	1.9111+05	2.2208-03	8.7000-01
18	442.75	1.4458+01	2.2787+00	7.6241-03	2.2787+00	7.6241-03	1.0499-02	1.7017-01	1.6517+05	1.9189-03	1.2590+00
19	442.96	1.2182+01	1.9380+00	6.4856-03	1.9380+00	6.4856-03	8.9315-03	1.4476-01	1.4050+05	1.6323-03	1.6500+00
20	442.69	7.4758+00	1.2327+00	4.1244-03	1.2327+00	4.1244-03	5.6797-03	9.2057-02	8.9349+04	1.0380-03	1.7720+00
21	457.30	1.8216+01	2.8370+00	9.6048-03	2.8370+00	9.6048-03	1.3227-02	2.1438-01	2.0808+05	2.4188-03	4.8300-01
22	449.06	1.6039+01	2.5389+00	8.5382-03	2.5389+00	8.5382-03	1.1758-02	1.9058-01	1.8497+05	2.1495-03	8.7000-01
23	441.84	1.3239+01	2.0917+00	6.9935-03	2.0917+00	6.9935-03	9.6310-03	1.5610-01	1.5151+05	1.7601-03	1.2590+00
24	445.96	1.1610+01	1.8621+00	6.2466-03	1.8621+00	6.2466-03	8.6023-03	1.3943-01	1.3532+05	1.5724-03	1.6500+00
25	447.59	8.0306+00	1.3052+00	4.3840-03	1.3052+00	4.3840-03	6.0373-03	9.7853-02	9.4974+04	1.1036-03	1.7720+00
26	453.27	1.7340+00	2.9056-01	9.8049-04	2.9056-01	9.8049-04	1.3503-03	2.1885-02	2.1241+04	2.4688-04	1.9200+00
27	478.93	1.1475+00	1.9563-01	6.7417-04	1.9563-01	6.7417-04	9.2841-04	1.5048-02	1.4605+04	1.6992-04	3.0250+00
28	492.47	9.9792-01	1.7163-01	5.9820-04	1.7163-01	5.9820-04	8.2380-04	1.3352-02	1.2959+04	1.5085-04	3.4150+00
29	445.00	1.0715+01	1.6704+00	5.5992-03	1.6704+00	5.5992-03	7.7108-03	1.2498-01	1.2130+05	1.4094-03	8.7000-01
30	441.90	1.1395+01	1.7948+00	6.0011-03	1.7948+00	6.0011-03	8.2643-03	1.3395-01	1.3001+05	1.5103-03	1.2590+00
31	449.18	1.0674+01	1.7053+00	5.7355-03	1.7053+00	5.7355-03	7.8985-03	1.2802-01	1.2425+05	1.4439-03	1.6500+00
32	453.82	6.8639+00	1.1203+00	3.7821-03	1.1203+00	3.7821-03	5.2085-03	8.4418-02	8.1935+04	9.5231-04	1.7720+00
33	479.89	1.0556+00	1.7691-01	6.1013-04	1.7691-01	6.1013-04	8.4023-04	1.3618-02	1.3218+04	1.5378-04	2.2400+00
34	490.84	8.9091-01	1.5083-01	5.2497-04	1.5083-01	5.2497-04	7.2295-04	1.1718-02	1.1373+04	1.3238-04	3.0250+00
35	443.81	1.1778+01	1.6970+00	5.6829-03	1.6970+00	5.6829-03	7.8261-03	1.2685-01	1.2311+05	1.4304-03	1.1570-01
37	468.44	2.0123+01	3.1078+00	1.0618-02	3.1078+00	1.0618-02	1.4622-02	2.3690-01	2.3002+05	2.6750-03	1.2500+00
38	471.47	1.2945+00	2.1703-01	7.4333-04	2.1703-01	7.4333-04	1.0237-03	1.6591-02	1.6103+04	1.8730-04	1.9200+00
39	488.21	8.9455-01	1.5298-01	5.3129-04	1.5298-01	5.3129-04	7.3165-04	1.1859-02	1.1510+04	1.3396-04	2.2400+00
40	487.71	3.8078-01	6.6052-02	2.2930-04	6.6052-02	2.2930-04	3.1577-04	5.1180-03	4.9675+03	5.7813-05	3.0250+00
41	487.68	5.8442-01	1.0050-01	3.4886-04	1.0050-01	3.4886-04	4.8042-04	7.7866-03	7.5575+03	8.7956-05	3.4150+00
42	456.04	2.0572+01	3.2417+00	1.0964-02	3.2417+00	1.0964-02	1.5098-02	2.4471-01	2.3751+05	2.7608-03	8.7000-01
43	452.52	1.8284+01	2.9279+00	9.8739-03	2.9279+00	9.8739-03	1.3598-02	2.2039-01	2.1391+05	2.4861-03	1.2590+00
44	464.71	1.3851+01	2.2432+00	7.6405-03	2.2432+00	7.6405-03	1.0522-02	1.7054-01	1.6552+05	1.9246-03	1.6500+00
45	470.94	8.2099+00	1.3474+00	4.6128-03	1.3474+00	4.6128-03	6.3525-03	1.0296-01	9.9932+04	1.1623-03	1.7720+00
46	495.86	1.6114+00	2.7370-01	9.5667-04	2.7370-01	9.5667-04	1.3174-03	2.1353-02	2.0725+04	2.4128-04	2.2400+00
47	490.96	1.7782+00	3.0553-01	1.0635-03	3.0553-01	1.0635-03	1.4646-03	2.3738-02	2.3040+04	2.6818-04	3.0250+00
48	448.68	1.3104+01	2.0289+00	6.8209-03	2.0289+00	6.8209-03	9.3932-03	1.5225-01	1.4777+05	1.7171-03	8.7000-01
49	445.23	1.3146+01	2.0883+00	7.0012-03	2.0883+00	7.0012-03	9.6415-03	1.5627-01	1.5167+05	1.7623-03	1.2590+00
50	466.59	1.4704+01	2.4135+00	8.2330-03	2.4135+00	8.2330-03	1.1338-02	1.8376-01	1.7836+05	2.0740-03	1.6500+00
51	473.01	8.2239+00	1.3557+00	4.6490-03	1.3557+00	4.6490-03	6.4023-03	1.0377-01	1.0072+05	1.1715-03	1.7720+00
52	481.67	8.2390-01	1.3947-01	4.8175-04	1.3947-01	4.8175-04	6.6342-04	1.0753-02	1.0436+04	1.2143-04	1.9200+00
53	494.90	5.8753-01	9.9731-02	3.4831-04	9.9731-02	3.4831-04	4.7966-04	7.7743-03	7.5456+03	8.7843-05	2.2400+00
54	492.30	2.8779-01	4.8769-02	1.6995-04	4.8769-02	1.6995-04	2.3405-04	3.7934-03	3.6818+03	4.2858-05	2.6360+00
55	487.14	7.6208-01	1.2871-01	4.4659-04	1.2871-01	4.4659-04	6.1501-04	9.9681-03	9.6749+03	1.1260-04	3.0250+00
56	483.29	9.1480-01	1.5549-01	5.3778-04	1.5549-01	5.3778-04	7.4059-04	1.2003-02	1.1650+04	1.3557-04	3.4150+00
57	478.90	2.7569+01	4.0677+00	1.4018-02	4.0677+00	1.4018-02	1.9304-02	3.1288-01	3.0367+05	3.5330-03	1.1570-01
58	458.75	1.4581+01	2.2875+00	7.7536-03	2.2875+00	7.7536-03	1.0678-02	1.7306-01	1.6797+05	1.9527-03	2.5000-01
59	446.26	1.0835+01	1.6959+00	5.6904-03	1.6959+00	5.6904-03	7.8364-03	1.2701-01	1.2328+05	1.4324-03	4.8300-01
60	443.83	1.2891+01	2.0143+00	6.7456-03	2.0143+00	6.7456-03	9.2896-03	1.5056-01	1.4614+05	1.6978-03	8.7000-01
61	469.46	1.2031+00	1.9249-01	6.5820-04	1.9249-01	6.5820-04	9.0642-04	1.4691-02	1.4259+04	1.6583-04	1.2590+00
62	454.24	5.8826+00	9.3446-01	3.1558-03	9.3446-01	3.1558-03	4.3459-03	7.0438-02	6.8366+04	7.9462-04	1.6500+00
63	465.34	3.6883+00	6.1400-01	2.0924-03	6.1400-01	2.0924-03	2.8815-03	4.6703-02	4.5329+04	5.2708-04	1.7720+00
64	492.60	5.7922-01	9.9921-02	3.4829-04	9.9921-02	3.4829-04	4.7965-04	7.7741-03	7.5454+03	8.7832-05	2.2400+00
65	484.70	3.7455-01	6.4469-02	2.2324-04	6.4469-02	2.2324-04	3.0743-04	4.9827-03	4.8362+03	5.6278-05	3.0250+00
66	476.96	2.5823+01	3.8051+00	1.3092-02	3.8051+00	1.3092-02	1.8029-02	2.9221-01	2.8362+05	3.2994-03	1.1570-01
67	457.72	1.3002+01	1.9808+00	6.7085-03	1.9808+00	6.7085-03	9.2384-03	1.4973-01	1.4533+05	1.6894-03	2.5000-01
68	443.94	9.4270+00	1.4732+00	4.9339-03	1.4732+00	4.9339-03	6.7946-03	1.1013-01	1.0689+05	1.2418-03	4.8300-01
69	435.28	7.3745+00	1.1455+00	3.8099-03	1.1455+00	3.8099-03	5.2468-03	8.5039-02	8.2538+04	9.5863-04	8.7000-01
70	434.96	5.9397+00	9.3969-01	3.1245-03	9.3969-01	3.1245-03	4.3029-03	6.9741-02	6.7689+04	7.8617-04	1.2590+00
71	449.77	5.1444+00	8.3230-01	2.8006-03	8.3230-01	2.8006-03	3.8568-03	6.2510-02	6.0672+04	7.0506-04	1.6500+00
72	460.99	3.6821+00	6.1298-01	2.0815-03	6.1298-01	2.0815-03	2.8665-03	4.6459-02	4.5093+04	5.2425-04	1.7720+00
73	472.96	5.5844-01	9.4271-02	3.2327-04	9.4271-02	3.2327-04	4.4519-04	7.2156-03	7.0033+03	8.1459-05	1.9200+00
74	488.75	2.8727-01	4.9289-02	1.7126-04	4.9289-02	1.7126-04	2.3584-04	3.8225-03	3.7100+03	4.3180-05	2.2400+00
75	480.03	2.6494-01	4.5198-02	1.5590-04	4.5198-02	1.5590-04	2.1470-04	3.4798-03	3.3775+03	3.9296-05	3.0250+00
76	478.19	1.8338-01	3.1338-02	1.0793-04	3.1338-02	1.0793-04	1.4863-04	2.4090-03	2.3382+03	2.7202-05	3.4150+00
77	444.60	1.5569+00	2.5478-01	8.5376-04	2.5478-01	8.5376-04	1.1757-03	1.9056-02	1.8496+04	2.1489-04	2.6360+00
78	454.23	1.5096+00	2.5164-01	8.4982-04	2.5164-01	8.4982-04	1.1703-03	1.8968-02	1.8410+04	2.1398-04	3.0250+00
79	471.13	1.4229+00	2.4061-01	8.2385-04	2.4061-01	8.2385-04	1.1345-03	1.8389-02	1.7848+04	2.0758-04	3.4150+00
80	448.77	1.8405+00	3.0746-01	1.0337-03	3.0746-01	1.0337-03	1.4236-03	2.3073-02	2.2395+04	2.6024-04	2.2400+00
81	450.63	1.7496+00	2.8751-01	9.6812-04	2.8751-01	9.6812-04	1.3332-03	2.1609-02	2.0973+04	2.4374-04	2.6360+00
82	461.64	1.6405+00	2.7242-01	9.2554-04	2.7242-01	9.2554-04	1.2746-03	2.0658-02	2.0051+04	2.3312-04	3.0250+00
83	474.07	1.6260+00	2.7468-01	9.4281-04	2.7468-01	9.4281-04	1.2984-03	2.1044-02	2.0425+04	2.3758-04	3.4150+00
401	522.18	6.1351+01	5.3137+00	1.8994-02	5.3137+00	1.8994-02	2.6157-02	4.2395-01	4.1148+05	4.7955-03	4.4500-01
403	500.38	4.1381+01	3.5350+00	1.2403-02	3.5350+00	1.2403-02	1.7080-02	2.7684-01	2.6870+05	3.1287-03	6.8600-01
404	495.09	3.8410+01	3.2700+00	1.1422-02	3.2700+00	1.1422-02	1.5730-02	2.5495-01	2.4745+05	2.8807-03	8.0100-01
405	471.03	2.2753+01	1.9067+00	6.5281-03	1.9067+00	6.5281-03	8.9900-03	1.4571-01	1.4142+05	1.6448-03	1.0510+00
406	591.71	-2.5964-03	-2.3442-04	-8.9148-07	-2.3442-04	-8.9148-07	-1.2277-06	-1.9898-05	-1.9313+01	-2.2573-07	1.1670+00
407	472.81	2.9710+01	2.5369+00	8.6986-03	2.5369+00	8.6986-03	1.1979-02	1.9416-01	1.8844+05	2.1919-03	1.2830+00
408	496.14	3.9064+01	3.3280+00	1.1635-02	3.3280+00	1.1635-02	1.6023-02	2.5970-01	2.5206+05	2.9345-03	5.1300-01
409	474.11	1.9235+01	1.6344+00	5.6099-03	1.6344+00	5.6099-03	7.7255-03	1.2521-01	1.2153+05	1.4136-03	5.7000-01
410	489.08	3.1434+01	2.6973+00	9.3742-03	2.6973+00	9.3742-03	1.2909-02	2.0924-01	2.0308+05	2.3636-03	6.2800-01
411	469.18	1.3538+01	1.1465+00	3.9194-03	1.1465+00	3.9194-03	5.3976-03	8.7483-02	8.4910+04	9.8748-04	6.8600-01
412	490.22	3.5200+01	3.0227+00	1.0515-02	3.0227+00	1.0515-02	1.4481-02	2.3470-01	2.2780+05	2.6515-03	7.4400-01
413	466.35	1.4154+01	1.1964+00	4.0804-03	1.1964+00	4.0804-03	5.6193-03	9.1077-02	8.8398+04	1.0279-03	8.0100-01
414	490.42	3.6191+01	3.0718+00	1.0688-02	3.0718+00	1.0688-02	1.4719-02	2.3856-01	2.3154+05	2.6950-03	8.5900-01
415	465.61	1.2771+01	1.0726+00	3.6561-03	1.0726+00	3.6561-03	5.0350-03	8.1606-02	7.9206+04	9.2102-04	9.1700-01
416	490.34	3.0883+01	2.5901+00	9.0113-03	2.5901+00	9.0113-03	1.2410-02	2.0114-01	1.9522+05	2.2722-03	5.7000-01
417	485.15	3.4433+01	2.9470+00	1.0209-02	2.9470+00	1.0209-02	1.4059-02	2.2786-01	2.2116+05	2.5736-03	1.0520+00

CONFIDENTIAL

174 4 1.81 -10.19 .00 -.00 404 2 2.40 10.04 220.0 1630.4

7.96461+01 4.87876-03 3.44365-01 4.39121+03 5.13933-06 6.45134-08 2.93477-02 7.72000+00 6.61638-06 7.52742-02

1	538.99	7.0614+01	1.1994+01	4.3519-02	1.1994+01	4.3519-02	5.9935-02	9.7136-01	9.4266+05	1.0989-02	.0000+00
2	510.61	4.8146+01	7.2018+00	2.5498-02	7.2018+00	2.5498-02	3.5116-02	5.6912-01	5.5230+05	6.4314-03	1.1570-01
3	485.52	2.9695+01	4.7422+00	1.6438-02	4.7422+00	1.6438-02	2.2639-02	3.6690-01	3.5606+05	4.1421-03	2.5000-01
4	471.17	2.3770+01	3.7839+00	1.2961-02	3.7839+00	1.2961-02	1.7850-02	2.8930-01	2.8075+05	3.2642-03	4.8300-01
5	457.75	1.8485+01	2.9070+00	9.8484-03	2.9070+00	9.8484-03	1.3563-02	2.1982-01	2.1333+05	2.4790-03	8.7000-01
6	449.16	1.5152+01	2.4134+00	8.1194-03	2.4134+00	8.1194-03	1.1182-02	1.8123-01	1.7587+05	2.0431-03	1.2590+00
7	444.38	1.3607+01	2.1536+00	7.2175-03	2.1536+00	7.2175-03	9.9401-03	1.6110-01	1.5634+05	1.8158-03	1.6500+00
8	442.59	1.0125+01	1.6595+00	5.5537-03	1.6595+00	5.5537-03	7.6486-03	1.2396-01	1.2030+05	1.3971-03	1.7720+00
9	438.37	2.5927+00	4.3002-01	1.4342-03	4.3002-01	1.4342-03	1.9752-03	3.2012-02	3.1066+04	3.6074-04	1.9200+00
10	450.05	1.9444+00	3.2795-01	1.1041-03	3.2795-01	1.1041-03	1.5206-03	2.4645-02	2.3917+04	2.7784-04	2.2400+00
11	456.40	1.7792+00	3.0401-01	1.0288-03	3.0401-01	1.0288-03	1.4169-03	2.2964-02	2.2285+04	2.5895-04	2.6360+00
12	468.93	1.5616+00	2.6831-01	9.1735-04	2.6831-01	9.1735-04	1.2634-03	2.0475-02	1.9871+04	2.3101-04	3.0250+00
13	478.60	1.6348+00	2.8271-01	9.7432-04	2.8271-01	9.7432-04	1.3419-03	2.1747-02	2.1105+04	2.4545-04	3.4150+00
14	512.35	4.5437+01	6.8272+00	2.4207-02	6.8272+00	2.4207-02	3.3338-02	5.4031-01	5.2435+05	6.1063-03	1.1570-01
15	479.87	2.6321+01	4.2142+00	1.4539-02	4.2142+00	1.4539-02	2.0023-02	3.2452-01	3.1493+05	3.6628-03	2.5000-01
16	465.85	2.1746+01	3.4172+00	1.1654-02	3.4172+00	1.1654-02	1.6050-02	2.6012-01	2.5243+05	2.9343-03	4.8300-01
17	453.62	1.6668+01	2.6221+00	8.8536-03	2.6221+00	8.8536-03	1.2193-02	1.9762-01	1.9178+05	2.2282-03	8.7000-01
18	446.38	1.4282+01	2.2565+00	7.5747-03	2.2565+00	7.5747-03	1.0432-02	1.6907-01	1.6408+05	1.9058-03	1.2590+00
19	446.02	1.2168+01	1.9398+00	6.5096-03	1.9398+00	6.5096-03	8.9652-03	1.4530-01	1.4100+05	1.6378-03	1.6500+00
20	444.55	7.4686+00	1.2331+00	4.1332-03	1.2331+00	4.1332-03	5.6923-03	9.2253-02	8.9528+04	1.0398-03	1.7720+00
21	461.88	1.8235+01	2.8488+00	9.6837-03	2.8488+00	9.6837-03	1.3337-02	2.1614-01	2.0976+05	2.4379-03	4.8300-01
22	452.98	1.5815+01	2.5101+00	8.4709-03	2.5101+00	8.4709-03	1.1666-02	1.8907-01	1.8349+05	2.1319-03	8.7000-01
23	445.13	1.3191+01	2.0887+00	7.0044-03	2.0887+00	7.0044-03	9.6466-03	1.5634-01	1.5172+05	1.7622-03	1.2590+00
24	448.85	1.1205+01	1.8007+00	6.0566-03	1.8007+00	6.0566-03	8.3413-03	1.3519-01	1.3119+05	1.5240-03	1.6500+00
25	449.60	7.7319+00	1.2584+00	4.2350-03	1.2584+00	4.2350-03	5.8326-03	9.4527-02	9.1734+04	1.0657-03	1.7720+00
26	453.72	1.7429+00	2.9213-01	9.8646-04	2.9213-01	9.8646-04	1.3586-03	2.2018-02	2.1368+04	2.4827-04	1.9200+00
27	479.22	1.1491+00	1.9593-01	6.7560-04	1.9593-01	6.7560-04	9.3045-04	1.5080-02	1.4634+04	1.7020-04	3.0250+00
28	492.71	1.0847+00	1.8659-01	6.5066-04	1.8659-01	6.5066-04	8.9610-04	1.4523-02	1.4094+04	1.6400-04	3.4150+00
29	447.79	1.1185+01	1.7471+00	5.8712-03	1.7471+00	5.8712-03	8.0860-03	1.3105-01	1.2718+05	1.4773-03	8.7000-01
30	444.72	1.1245+01	1.7746+00	5.9490-03	1.7746+00	5.9490-03	8.1932-03	1.3278-01	1.2886+05	1.4967-03	1.2590+00
31	451.81	1.0580+01	1.6934+00	5.7095-03	1.6934+00	5.7095-03	7.8632-03	1.2744-01	1.2367+05	1.4368-03	1.6500+00
32	455.60	7.0805+00	1.1571+00	3.9131-03	1.1571+00	3.9131-03	5.3892-03	8.7341-02	8.4761+04	9.8489-04	1.7720+00
33	480.15	1.0795+00	1.8094-01	6.2440-04	1.8094-01	6.2440-04	8.5993-04	1.3937-02	1.3525+04	1.5731-04	2.2400+00
34	491.08	9.1428-01	1.5481-01	5.3912-04	1.5481-01	5.3912-04	7.4248-04	1.2033-02	1.1678+04	1.3588-04	3.0250+00
35	446.92	1.2559+01	1.8136+00	6.0904-03	1.8136+00	6.0904-03	8.3878-03	1.3594-01	1.3192+05	1.5324-03	1.1570-01
36	473.47	2.0086+01	3.1125+00	1.0681-02	3.1125+00	1.0681-02	1.4711-02	2.3841-01	2.3137+05	2.6903-03	1.2500+00
37	471.81	1.3023+00	2.1839-01	7.4843-04	2.1839-01	7.4843-04	1.0307-03	1.6705-02	1.6212+04	1.8849-04	1.9200+00
38	488.44	8.6909-01	1.4865-01	5.1652-04	1.4865-01	5.1652-04	7.1136-04	1.1529-02	1.1188+04	1.3017-04	2.2400+00
39	487.82	4.3533-01	7.5520-02	2.6227-04	7.5520-02	2.6227-04	3.6121-04	5.8540-03	5.6811+03	6.6095-05	3.0250+00
40	487.82	5.6312-01	9.6842-02	3.3632-04	9.6842-02	3.3632-04	4.6319-04	7.5069-03	7.2851+03	8.4757-05	3.4150+00
41	461.24	2.0728+01	3.2778+00	1.1136-02	3.2778+00	1.1136-02	1.5337-02	2.4856-01	2.4122+05	2.8035-03	8.7000-01
42	457.25	1.9450+01	3.1246+00	1.0582-02	3.1246+00	1.0582-02	1.4573-02	2.3618-01	2.2921+05	2.6635-03	1.2590+00
43	468.23	1.4236+01	2.3111+00	7.8971-03	2.3111+00	7.8971-03	1.0876-02	1.7627-01	1.7106+05	1.9886-03	1.6500+00
44	473.02	8.3782+00	1.3769+00	4.7236-03	1.3769+00	4.7236-03	6.5054-03	1.0543-01	1.0232+05	1.1897-03	1.7720+00
45	496.29	1.6634+00	2.8260-01	9.8846-04	2.8260-01	9.8846-04	1.3613-03	2.2063-02	2.1411+04	2.4918-04	2.2400+00
46	491.40	1.7662+00	3.0357-01	1.0574-03	3.0357-01	1.0574-03	1.4563-03	2.3602-02	2.2905+04	2.6652-04	3.0250+00
47	451.78	1.2962+01	2.0111+00	6.7803-03	2.0111+00	6.7803-03	9.3380-03	1.5134-01	1.4687+05	1.7063-03	8.7000-01
48	448.52	1.3044+01	2.0767+00	6.9829-03	2.0767+00	6.9829-03	9.6171-03	1.5586-01	1.5126+05	1.7571-03	1.2590+00
49	470.14	1.4173+01	2.3319+00	7.9805-03	2.3319+00	7.9805-03	1.0991-02	1.7813-01	1.7287+05	2.0098-03	1.6500+00
50	475.03	8.0151+00	1.3230+00	4.5461-03	1.3230+00	4.5461-03	6.2610-03	1.0147-01	9.8474+04	1.1451-03	1.7720+00
51	481.89	8.5195-01	1.4424-01	4.9848-04	1.4424-01	4.9848-04	6.8652-04	1.1126-02	1.0798+04	1.2559-04	1.9200+00
52	495.06	6.0520-01	1.0274-01	3.5898-04	1.0274-01	3.5898-04	4.9439-04	8.0125-03	7.7758+03	9.0491-05	2.2400+00
53	492.38	3.5637-01	6.0392-02	2.1054-04	6.0392-02	2.1054-04	2.8996-04	4.6993-03	4.5605+03	5.3068-05	2.6360+00
54	487.33	7.3818-01	1.2469-01	4.3286-04	1.2469-01	4.3286-04	5.9614-04	9.6615-03	9.3761+03	1.0908-04	3.0250+00
55	483.51	9.3351-01	1.5869-01	5.4913-04	1.5869-01	5.4913-04	7.5628-04	1.2257-02	1.1895+04	1.3836-04	3.4150+00
56	485.87	2.8074+01	4.1612+00	1.4428-02	4.1612+00	1.4428-02	1.9871-02	3.2204-01	3.1252+05	3.6357-03	1.1570-01
57	462.45	1.4660+01	2.3056+00	7.8410-03	2.3056+00	7.8410-03	1.0799-02	1.7501-01	1.6984+05	1.9740-03	2.5000-01
58	448.98	1.0522+01	1.6499+00	5.5501-03	1.6499+00	5.5501-03	7.6438-03	1.2388-01	1.2022+05	1.3966-03	4.8300-01
59	447.05	1.2575+01	1.9694+00	6.6143-03	1.9694+00	6.6143-03	9.1093-03	1.4763-01	1.4327+05	1.6642-03	8.7000-01
60	469.76	1.2286+00	1.9661-01	6.7265-04	1.9661-01	6.7265-04	9.2639-04	1.5014-02	1.4570+04	1.6939-04	1.2590+00
61	455.76	6.0078+00	9.5533-01	3.2313-03	9.5533-01	3.2313-03	4.4502-03	7.2123-02	6.9992+04	8.1329-04	1.6500+00
62	466.24	3.7195+00	6.1956-01	2.1136-03	6.1956-01	2.1136-03	2.9109-03	4.7176-02	4.5782+04	5.3219-04	1.7720+00
63	492.73	5.6000-01	9.6614-02	3.3692-04	9.6614-02	3.3692-04	4.6401-04	7.5201-03	7.2980+03	8.4923-05	2.2400+00
64	484.80	4.0468-01	6.9659-02	2.4131-04	6.9659-02	2.4131-04	3.3234-04	5.3862-03	5.2271+03	6.0806-05	3.0250+00
65	483.50	2.6285+01	3.8899+00	1.3461-02	3.8899+00	1.3461-02	1.8538-02	3.0045-01	2.9157+05	3.3916-03	1.1570-01
66	461.02	1.3154+01	2.0085+00	6.8227-03	2.0085+00	6.8227-03	9.3963-03	1.5228-01	1.4779+05	1.7176-03	2.5000-01
67	446.32	9.4332+00	1.4766+00	4.9563-03	1.4766+00	4.9563-03	6.8259-03	1.1063-01	1.0736+05	1.2470-03	4.8300-01
68	437.11	7.3366+00	1.1411+00	3.8020-03	1.1411+00	3.8020-03	5.2362-03	8.4862-02	8.2355+04	9.5625-04	8.7000-01
69	436.45	5.9626+00	9.4429-01	3.1446-03	9.4429-01	3.1446-03	4.3308-03	7.0189-02	6.8115+04	7.9089-04	1.2590+00
70	451.01	4.8712+00	7.8877-01	2.6577-03	7.8877-01	2.6577-03	3.6602-03	5.9320-02	5.7567+04	6.6879-04	1.6500+00
71	461.87	3.6026+00	6.0011-01	2.0399-03	6.0011-01	2.0399-03	2.8094-03	4.5532-02	4.4186+04	5.1356-04	1.7720+00
72	473.10	6.2494-01	1.0551-01	3.6196-04	1.0551-01	3.6196-04	4.9850-04	8.0791-03	7.8404+03	9.1165-05	1.9200+00
73	488.82	2.9299-01	5.0272-02	1.7474-04	5.0272-02	1.7474-04	2.4065-04	3.9002-03	3.7850+03	4.4037-05	2.2400+00
74	480.13	3.0182-01	5.1493-02	1.7769-04	5.1493-02	1.7769-04	2.4472-04	3.9661-03	3.8489+03	4.4766-05	3.0250+00
75	478.25	2.3377-01	3.9950-02	1.3764-04	3.9950-02	1.3764-04	1.8957-04	3.0723-03	2.9815+03	3.4675-05	3.4150+00
76	445.01	1.6452+00	2.6931-01	9.0303-04	2.6931-01	9.0303-04	1.2437-03	2.0156-02	1.9560+04	2.2719-04	2.6360+00
77	454.62	1.5397+00	2.5673-01	8.6757-04	2.5673-01	8.6757-04	1.1948-03	1.9364-02	1.8792+04	2.1835-04	3.0250+00
78	471.45	1.4104+00	2.3855-01	8.1729-04	2.3855-01	8.1729-04	1.1256-03	1.8242-02	1.7703+04	2.0583-04	3.4150+00
79	449.24	1.8197+00	3.0409-01	1.0231-03	3.0409-01	1.0231-03	1.4091-03	2.2836-02	2.2162+04	2.5745-04	2.2400+00
80	451.07	1.7782+00	2.9230-01	9.8489-04	2.9230-01	9.8489-04	1.3564-03	2.1983-02	2.1334+04	2.4785-04	2.6360+00
81	462.05	1.6416+00	2.7267-01	9.2700-04	2.7267-01	9.2700-04	1.2767-03	2.0691-02	2.0080+04	2.3338-04	3.0250+00
82	474.47	1.5803+00	2.6703-01	9.1715-04	2.6703-01	9.1715-04	1.2631-03	2.0471-02	1.9866+04	2.3101-04	3.4150+00
401	537.32	5.9664+01	5.2162+00	1.8899-02	5.2162+00	1.8899-02	2.6028-02	4.2182-01	4.0936+05	4.7720-03	4.4500-01
403	510.39	3.8900+01	3.3443+00	1.1838-02	3.3443+00	1.1838-02	1.6304-02	2.6423-01	2.5642+05	2.9859-03	6.8600-01
404	504.39	3.6316+01	3.1103+00	1.0954-02	3.1103+00	1.0954-02	1.5086-02	2.4449-01	2.3727+05	2.7622-03	8.0100-01
405	476.79	2.2695+01	1.9092+00	6.5698-03	1.9092+00	6.5698-03	9.0481-03	1.4664-01	1.4231+05	1.6549-03	1.0510+00
406	591.71	-3.1154-03	-2.8128-04	-1.0701-06	-2.8128-04	-1.0701-06	-1.4737-06	-2.3884-05	-2.3179-01	-2.7080-07	1.1670+00
407	480.15	2.8817+01	2.4726+00	8.5325-03	2.4726+00	8.5325-03	1.1751-02	1.9045-01	1.8482+05	2.1496-03	1.2830+00
408	506.13	4.0273+01	3.4530+00	1.2179-02	3.4530+00	1.2179-02	1.6773-02	2.7183-01	2.6380+05	3.0713-03	5.1300-01
409	478.93	1.9563+01	1.6675+00	5.7485-03	1.6675+00	5.7485-03	7.9169-03	1.2831-01	1.2452+05	1.4482-03	5.7000-01
410	496.94	3.1422+01	2.7100+00	9.4841-03	2.7100+00	9.4841-03	1.3062-02	2.1169-01	2.0543+05	2.3909-03	6.2800-01
411	472.63	1.4139+01	1.2002+00	4.1159-03	1.2002+00	4.1159-03	5.6685-03	9.1868-02	8.9154+04	1.0366-03	6.8600-01
412	498.88	3.4113+01	2.9458+00	1.0326-02	2.9458+00	1.0326-02	1.4221-02	2.3048-01	2.2367+05	2.6034-03	7.4400-01
413	469.96	1.4443+01	1.2238+00	4.1875-03	1.2238+00	4.1875-03	5.7671-03	9.3467-02	9.0706+04	1.0546-03	8.0100-01
414	499.25	3.4703+01	2.9623+00	1.0387-02	2.9623+00	1.0387-02	1.4306-02	2.3185-01	2.2500+05	2.6189-03	8.5900-01
415	468.80	1.2869+01	1.0832+00	3.7029-03	1.0832+00	3.7029-03	5.0997-03	8.2650-02	8.0209+04	9.3247-04	9.1700-01
416	498.24	3.1884+01	2.6877+00	9.4164-03	2.6877+00	9.4164-03	1.2968-02	2.1018-01	2.0397+05	2.3740-03	5.7000-01
417	493.33	3.1820+01	2.7379+00	9.5525-03	2.7379+00	9.5525-03	1.3156-02	2.1321-01	2.0692+05	2.4078-03	1.0520+00

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174 4 1.81 -10.19 .00 -.00 404 2 2.65 10.04 220.0 1630.6

7.96551+01 4.87869-03 3.44360-01 4.39146+03 5.13868-06 6.45206-08 2.93423-02 7.72000+00 6.61724-06 7.52730-02

1	556.34	6.8189+01	1.1704+01	4.3115-02	1.1704+01	4.3115-02	5.9384-02	9.6235-01	9.3380+05	1.0895-02	.0000+00
2	522.56	4.7450+01	7.1512+00	2.5575-02	7.1512+00	2.5575-02	3.5225-02	5.7084-01	5.5391+05	6.4541-03	1.1570-01
3	492.99	2.9705+01	4.7670+00	1.6625-02	4.7670+00	1.6625-02	2.2898-02	3.7107-01	3.6006+05	4.1905-03	2.5000-01
4	477.09	2.3563+01	3.7656+00	1.2959-02	3.7656+00	1.2959-02	1.7849-02	2.8926-01	2.8067+05	3.2645-03	4.8300-01
5	462.44	1.8646+01	2.9416+00	1.0002-02	2.9416+00	1.0002-02	1.3776-02	2.2326-01	2.1663+05	2.5182-03	8.7000-01
6	452.89	1.5016+01	2.3978+00	8.0901-03	2.3978+00	8.0901-03	1.1143-02	1.8057-01	1.7522+05	2.0361-03	1.2590+00
7	447.80	1.3294+01	2.1090+00	7.0864-03	2.1090+00	7.0864-03	9.7602-03	1.5817-01	1.5348+05	1.7831-03	1.6500+00
8	445.09	1.0009+01	1.6435+00	5.5101-03	1.6435+00	5.5101-03	7.5892-03	1.2299-01	1.1934+05	1.3863-03	1.7720+00
9	439.02	2.5917+00	4.3004-01	1.4348-03	4.3004-01	1.4348-03	1.9762-03	3.2025-02	3.1075+04	3.6091-04	1.9200+00
10	450.54	1.9351+00	3.2648-01	1.0994-03	3.2648-01	1.0994-03	1.5143-03	2.4540-02	2.3812+04	2.7667-04	2.2400+00
11	456.88	1.8379+00	3.1415-01	1.0634-03	3.1415-01	1.0634-03	1.4646-03	2.3734-02	2.3030+04	2.6766-04	2.6360+00
12	469.31	1.6203+00	2.7847-01	9.5221-04	2.7847-01	9.5221-04	1.3115-03	2.1254-02	2.0623+04	2.3980-04	3.0250+00
13	479.01	1.6156+00	2.7946-01	9.6329-04	2.7946-01	9.6329-04	1.3268-03	2.1501-02	2.0863+04	2.4268-04	3.4150+00
14	523.64	4.4891+01	6.7932+00	2.4317-02	6.7932+00	2.4317-02	3.3492-02	5.4277-01	5.2666+05	6.1369-03	1.1570-01
15	486.41	2.6112+01	4.1987+00	1.4562-02	4.1987+00	1.4562-02	2.0057-02	3.2504-01	3.1540+05	3.6697-03	2.5000-01
16	471.28	2.1632+01	3.4116+00	1.1685-02	3.4116+00	1.1685-02	1.6094-02	2.6081-01	2.5307+05	2.9428-03	4.8300-01
17	457.79	1.6783+01	2.6478+00	8.9690-03	2.6478+00	8.9690-03	1.2353-02	2.0019-01	1.9425+05	2.2577-03	8.7000-01
18	449.89	1.3966+01	2.2120+00	7.4450-03	2.2120+00	7.4450-03	1.0254-02	1.6618-01	1.6125+05	1.8735-03	1.2590+00
19	449.04	1.1826+01	1.8892+00	6.3543-03	1.8892+00	6.3543-03	8.7520-03	1.4183-01	1.3762+05	1.5990-03	1.6500+00
20	446.42	7.4618+00	1.2336+00	4.1403-03	1.2336+00	4.1403-03	5.7025-03	9.2413-02	8.9672+04	1.0417-03	1.7720+00
21	466.40	1.8107+01	2.8374+00	9.6793-03	2.8374+00	9.6793-03	1.3331-02	2.1604-01	2.0964+05	2.4373-03	4.8300-01
22	456.88	1.5774+01	2.5102+00	8.4969-03	2.5102+00	8.4969-03	1.1703-02	1.8965-01	1.8403+05	2.1388-03	8.7000-01
23	448.42	1.2851+01	2.0396+00	6.8565-03	2.0396+00	6.8565-03	9.4436-03	1.5304-01	1.4850+05	1.7253-03	1.2590+00
24	451.59	1.0996+01	1.7705+00	5.9671-03	1.7705+00	5.9671-03	8.2186-03	1.3319-01	1.2924+05	1.5017-03	1.6500+00
25	451.47	7.5070+00	1.2233+00	4.1227-03	1.2233+00	4.1227-03	5.6782-03	9.2019-02	8.9289+04	1.0375-03	1.7720+00
26	454.16	1.7527+00	2.9387-01	9.9254-04	2.9387-01	9.9254-04	1.3670-03	2.2154-02	2.1496+04	2.4980-04	1.9200+00
27	479.50	1.1439+00	1.9508-01	6.7271-04	1.9508-01	6.7271-04	9.2654-04	1.5015-02	1.4570+04	1.6948-04	3.0250+00
28	492.97	1.0862+00	1.8689-01	6.5174-04	1.8689-01	6.5174-04	8.9765-04	1.4547-02	1.4115+04	1.6428-04	3.4150+00
29	450.63	1.1510+01	1.8014+00	6.0666-03	1.8014+00	6.0666-03	8.3557-03	1.3541-01	1.3139+05	1.5267-03	8.7000-01
30	447.56	1.1025+01	1.7433+00	5.8566-03	1.7433+00	5.8566-03	8.0664-03	1.3072-01	1.2684+05	1.4736-03	1.2590+00
31	454.43	1.0539+01	1.6899+00	5.7087-03	1.6899+00	5.7087-03	7.8627-03	1.2742-01	1.2364+05	1.4368-03	1.6500+00
32	457.36	7.0358+00	1.1511+00	3.8980-03	1.1511+00	3.8980-03	5.3688-03	8.7004-02	8.4423+04	9.8118-04	1.7720+00
33	480.43	1.0239+00	1.7166-01	5.9239-04	1.7166-01	5.9239-04	8.1591-04	1.3222-02	1.2830+04	1.4925-04	2.2400+00
34	491.27	8.2909-01	1.4040-01	4.8894-04	1.4040-01	4.8894-04	6.7343-04	1.0913-02	1.0590+04	1.2324-04	3.0250+00
35	450.15	1.3205+01	1.9110+00	6.4332-03	1.9110+00	6.4332-03	8.8605-03	1.4359-01	1.3933+05	1.6189-03	1.1570-01
37	478.47	2.0056+01	3.1182+00	1.0744-02	3.1182+00	1.0744-02	1.4797-02	2.3980-01	2.3269+05	2.7065-03	1.2500+00
38	472.12	1.3314+00	2.2331-01	7.6538-04	2.2331-01	7.6538-04	1.0542-03	1.7084-02	1.6577+04	1.9277-04	1.9200+00
39	488.66	8.3273-01	1.4245-01	4.9499-04	1.4245-01	4.9499-04	6.8175-04	1.1048-02	1.0720+04	1.2475-04	2.2400+00
40	487.91	4.2962-01	7.4534-02	2.5883-04	7.4534-02	2.5883-04	3.5649-04	5.7771-03	5.6057+03	6.5228-05	3.0250+00
41	487.97	5.7247-01	9.8459-02	3.4193-04	9.8459-02	3.4193-04	4.7094-04	7.6320-03	7.4055+03	8.6171-05	3.4150+00
42	466.44	2.0651+01	3.2771+00	1.1179-02	3.2771+00	1.1179-02	1.5398-02	2.4953-01	2.4213+05	2.8150-03	8.7000-01
43	462.32	2.0457+01	3.2978+00	1.1212-02	3.2978+00	1.1212-02	1.5443-02	2.5026-01	2.4284+05	2.8228-03	1.2590+00
44	471.82	1.4549+01	2.3675+00	8.1125-03	2.3675+00	8.1125-03	1.1174-02	1.8107-01	1.7570+05	2.0432-03	1.6500+00
45	475.12	8.4608+00	1.3925+00	4.7844-03	1.3925+00	4.7844-03	6.5896-03	1.0679-01	1.0362+05	1.2051-03	1.7720+00
46	496.70	1.7055+00	2.8983-01	1.0139-03	2.8983-01	1.0139-03	1.3965-03	2.2631-02	2.1960+04	2.5561-04	2.2400+00
47	491.84	1.7242+00	2.9642-01	1.0328-03	2.9642-01	1.0328-03	1.4224-03	2.3051-02	2.2368+04	2.6031-04	3.0250+00
48	454.98	1.3376+01	2.0800+00	7.0296-03	2.0800+00	7.0296-03	9.6821-03	1.5690-01	1.5225+05	1.7693-03	8.7000-01
49	451.75	1.3140+01	2.0967+00	7.0676-03	2.0967+00	7.0676-03	9.7343-03	1.5775-01	1.5307+05	1.7786-03	1.2590+00
50	473.64	1.3798+01	2.2755+00	7.8087-03	2.2755+00	7.8087-03	1.0755-02	1.7429-01	1.6912+05	1.9668-03	1.6500+00
51	477.00	7.8390+00	1.2956+00	4.4586-03	1.2956+00	4.4586-03	6.1409-03	9.9517-02	9.6565+04	1.1231-03	1.7720+00
52	482.12	9.0338-01	1.5297-01	5.2867-04	1.5297-01	5.2867-04	7.2814-04	1.1800-02	1.1450+04	1.3320-04	1.9200+00
53	495.21	6.0104-01	1.0204-01	3.5654-04	1.0204-01	3.5654-04	4.9106-04	7.9580-03	7.7219+03	8.9878-05	2.2400+00
54	492.47	3.8286-01	6.4886-02	2.2619-04	6.4886-02	2.2619-04	3.1153-04	5.0486-03	4.8988+03	5.7013-05	2.6360+00
55	487.53	7.0337-01	1.1882-01	4.1250-04	1.1882-01	4.1250-04	5.6815-04	9.2072-03	8.9340+03	1.0395-04	3.0250+00
56	483.74	9.6987-01	1.6489-01	5.7063-04	1.6489-01	5.7063-04	7.8593-04	1.2737-02	1.2359+04	1.4378-04	3.4150+00
57	492.94	2.8269+01	4.2093+00	1.4679-02	4.2093+00	1.4679-02	2.0218-02	3.2764-01	3.1792+05	3.7000-03	1.1570-01
58	466.10	1.4716+01	2.3201+00	7.9127-03	2.3201+00	7.9127-03	1.0898-02	1.7661-01	1.7137+05	1.9924-03	2.5000-01
59	451.54	1.0285+01	1.6157+00	5.4454-03	1.6157+00	5.4454-03	7.5000-03	1.2154-01	1.1794+05	1.3704-03	4.8300-01
60	450.14	1.2177+01	1.9110+00	6.4333-03	1.9110+00	6.4333-03	8.8607-03	1.4359-01	1.3933+05	1.6189-03	8.7000-01
61	470.06	1.2452+00	1.9931-01	6.8195-04	1.9931-01	6.8195-04	9.3926-04	1.5221-02	1.4770+04	1.7174-04	1.2590+00
62	457.26	6.0353+00	9.6069-01	3.2528-03	9.6069-01	3.2528-03	4.4802-03	7.2605-02	7.0451+04	8.1878-04	1.6500+00
63	467.18	3.7532+00	6.2558-01	2.1354-03	6.2558-01	2.1354-03	2.9412-03	4.7663-02	4.6249+04	5.3772-04	1.7720+00
64	492.86	5.3455-01	9.2230-02	3.2161-04	9.2230-02	3.2161-04	4.4296-04	7.1785-03	6.9655+03	8.1066-05	2.2400+00
65	484.91	4.0623-01	6.9932-02	2.4224-04	6.9932-02	2.4224-04	3.3364-04	5.4069-03	5.2465+03	6.1041-05	3.0250+00
66	490.11	2.6608+01	3.9547+00	1.3759-02	3.9547+00	1.3759-02	1.8950-02	3.0710-01	2.9799+05	3.4676-03	1.1570-01
67	464.32	1.3197+01	2.0196+00	6.8776-03	2.0196+00	6.8776-03	9.4727-03	1.5351-01	1.4896+05	1.7317-03	2.5000-01
68	448.69	9.2410+00	1.4489+00	4.8718-03	1.4489+00	4.8718-03	6.7100-03	1.0874-01	1.0551+05	1.2259-03	4.8300-01
69	438.95	7.2982+00	1.1366+00	3.7919-03	1.1366+00	3.7919-03	5.2226-03	8.4636-02	8.2125+04	9.5379-04	8.7000-01
70	437.93	5.9392+00	9.4155-01	3.1387-03	9.4155-01	3.1387-03	4.3230-03	7.0057-02	6.7979+04	7.8947-04	1.2590+00
71	452.16	4.8130+00	7.7996-01	2.6300-03	7.7996-01	2.6300-03	3.6224-03	5.8703-02	5.6961+04	6.6188-04	1.6500+00
72	462.80	3.5932+00	5.9892-01	2.0371-03	5.9892-01	2.0371-03	2.8057-03	4.5469-02	4.4120+04	5.1287-04	1.7720+00
73	473.27	6.3377-01	1.0701-01	3.6711-04	1.0701-01	3.6711-04	5.0562-04	8.1940-03	7.9509+03	9.2463-05	1.9200+00
74	488.89	2.8104-01	4.8224-02	1.6760-04	4.8224-02	1.6760-04	2.3084-04	3.7409-03	3.6299+03	4.2240-05	2.2400+00
75	480.17	3.0857-01	5.2648-02	1.8165-04	5.2648-02	1.8165-04	2.5019-04	4.0545-03	3.9342+03	4.5764-05	3.0250+00
76	478.30	1.5948-01	2.7256-02	9.3896-05	2.7256-02	9.3896-05	1.2932-04	2.0958-03	2.0336+03	2.3654-05	3.4150+00
77	445.43	1.6551+00	2.7101-01	9.0886-04	2.7101-01	9.0886-04	1.2518-03	2.0286-02	1.9684+04	2.2867-04	2.6360+00
78	455.01	1.5922+00	2.6555-01	8.9751-04	2.6555-01	8.9751-04	1.2362-03	2.0033-02	1.9438+04	2.2590-04	3.0250+00
79	471.84	1.5039+00	2.5443-01	8.7183-04	2.5443-01	8.7183-04	1.2008-03	1.9460-02	1.8882+04	2.1957-04	3.4150+00
80	449.69	1.8914+00	3.1616-01	1.0640-03	3.1616-01	1.0640-03	1.4654-03	2.3748-02	2.3043+04	2.6773-04	2.2400+00
81	451.53	1.5423+00	2.5361-01	8.5471-04	2.5361-01	8.5471-04	1.1772-03	1.9077-02	1.8511+04	2.1509-04	2.6360+00
82	462.45	1.6816+00	2.7939-01	9.5000-04	2.7939-01	9.5000-04	1.3085-03	2.1204-02	2.0575+04	2.3918-04	3.0250+00
83	474.86	1.5460+00	2.6131-01	8.9763-04	2.6131-01	8.9763-04	1.2363-03	2.0035-02	1.9441+04	2.2610-04	3.4150+00
401	552.02	5.8029+01	5.1187+00	1.8784-02	5.1187+00	1.8784-02	2.5871-02	4.1926-01	4.0682+05	4.7459-03	4.4500-01
403	519.80	3.6680+01	3.1722+00	1.1318-02	3.1722+00	1.1318-02	1.5588-02	2.5262-01	2.4513+05	2.8559-03	6.8600-01
404	513.18	3.4459+01	2.9678+00	1.0528-02	2.9678+00	1.0528-02	1.4501-02	2.3500-01	2.2803+05	2.6560-03	8.0100-01
405	482.42	2.2510+01	1.9006+00	6.5701-03	1.9006+00	6.5701-03	9.0491-03	1.4665-01	1.4230+05	1.6554-03	1.0510+00
406	591.71	-3.1142-03	-2.8117-04	-1.0695-06	-2.8117-04	-1.0695-06	-1.4730-06	-2.3871-05	-2.3163+01	-2.7065-07	1.1670+00
407	487.20	2.7901+01	2.4052+00	8.3473-03	2.4052+00	8.3473-03	1.1497-02	1.8631-01	1.8079+05	2.1036-03	1.2830+00
408	516.33	4.0985+01	3.5368+00	1.2581-02	3.5368+00	1.2581-02	1.7328-02	2.8082-01	2.7249+05	3.1742-03	5.1300-01
409	483.85	1.9847+01	1.6972+00	5.8739-03	1.6972+00	5.8739-03	8.0903-03	1.3111-01	1.2722+05	1.4801-03	5.7000-01
410	504.80	3.1318+01	2.7147+00	9.5620-03	2.7147+00	9.5620-03	1.3170-02	2.1343-01	2.0710+05	2.4114-03	6.2800-01
411	476.24	1.4712+01	1.2518+00	4.3050-03	1.2518+00	4.3050-03	5.9293-03	9.6068-02	9.3237+04	1.0844-03	6.8600-01
412	507.26	3.3108+01	2.8743+00	1.0146-02	2.8743+00	1.0146-02	1.3974-02	2.2645-01	2.1973+05	2.5588-03	7.4400-01
413	473.62	1.4554+01	1.2362+00	4.2423-03	1.2362+00	4.2423-03	5.8430-03	9.4689-02	9.1880+04	1.0685-03	8.0100-01
414	507.71	3.3265+01	2.8550+00	1.0081-02	2.8550+00	1.0081-02	1.3885-02	2.2502-01	2.1834+05	2.5426-03	8.5900-01
415	472.02	1.3037+01	1.0997+00	3.7689-03	1.0997+00	3.7689-03	5.1910-03	8.4124-02	8.1628+04	9.4923-04	9.1700-01
416	506.33	3.2592+01	2.7617+00	9.7405-03	2.7617+00	9.7405-03	1.3416-02	2.1741-01	2.1096+05	2.4565-03	5.7000-01
417	500.94	2.9724+01	2.5701+00	9.0234-03	2.5701+00	9.0234-03	1.2428-02	2.0140-01	1.9543+05	2.2752-03	1.0520+00

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174 4 1.81 -10.19 .00 -.00 404 2 3.15 10.04 220.0 1630.4

7.96461+01 4.87876-03 3.44365-01 4.39121+03 5.13933-06 6.45134-08 2.93477-02 7.72000+00 6.61638-06 7.52742-02

1	589.19	6.3362+01	1.1087+01	4.2073-02	1.1087+01	4.2073-02	5.7943-02	9.3908-01	9.1134+05	1.0648-02	.0000+00
2	545.93	4.5992+01	7.0318+00	2.5665-02	7.0318+00	2.5665-02	3.5347-02	5.7286-01	5.5594+05	6.4840-03	1.1570-01
3	507.71	2.8951+01	4.6902+00	1.6561-02	4.6902+00	1.6561-02	2.2809-02	3.6966-01	3.5874+05	4.1776-03	2.5000-01
4	488.79	2.3211+01	3.7380+00	1.2990-02	3.7380+00	1.2990-02	1.7890-02	2.8995-01	2.8138+05	3.2743-03	4.8300-01
5	471.70	1.8420+01	2.9242+00	1.0019-02	2.9242+00	1.0019-02	1.3798-02	2.2362-01	2.1702+05	2.5236-03	8.7000-01
6	460.45	1.5213+01	2.4418+00	8.2892-03	2.4418+00	8.2892-03	1.1416-02	1.8502-01	1.7955+05	2.0871-03	1.2590+00
7	454.28	1.3062+01	2.0814+00	7.0303-03	2.0814+00	7.0303-03	9.6823-03	1.5692-01	1.5228+05	1.7697-03	1.6500+00
8	450.02	9.5309+00	1.5702+00	5.2855-03	1.5702+00	5.2855-03	7.2793-03	1.1797-01	1.1449+05	1.3303-03	1.7720+00
9	440.34	2.6338+00	4.3742-01	1.4610-03	4.3742-01	1.4610-03	2.0121-03	3.2609-02	3.1646+04	3.6756-04	1.9200+00
10	451.51	1.6405+00	2.7697-01	9.3345-04	2.7697-01	9.3345-04	1.2856-03	2.0835-02	2.0219+04	2.3494-04	2.2400+00
11	457.73	1.6665+00	2.8501-01	9.6539-04	2.8501-01	9.6539-04	1.3296-03	2.1548-02	2.0911+04	2.4304-04	2.6360+00
12	470.14	1.6660+00	2.8648-01	9.8030-04	2.8648-01	9.8030-04	1.3501-03	2.1881-02	2.1234+04	2.4691-04	3.0250+00
13	479.81	1.6249+00	2.8122-01	9.7002-04	2.8122-01	9.7002-04	1.3359-03	2.1651-02	2.1011+04	2.4442-04	3.4150+00
14	545.79	4.3662+01	6.6976+00	2.4443-02	6.6976+00	2.4443-02	3.3663-02	5.4557-01	5.2945+05	6.1751-03	1.1570-01
15	499.39	2.5745+01	4.1747+00	1.4638-02	4.1747+00	1.4638-02	2.0159-02	3.2672-01	3.1707+05	3.6911-03	2.5000-01
16	482.02	2.1334+01	3.3886+00	1.1710-02	3.3886+00	1.1710-02	1.6127-02	2.6136-01	2.5364+05	2.9507-03	4.8300-01
17	466.24	1.6758+01	2.6589+00	9.0693-03	2.6589+00	9.0693-03	1.2490-02	2.0243-01	1.9645+05	2.2840-03	8.7000-01
18	456.77	1.3919+01	2.2149+00	7.4967-03	2.2149+00	7.4967-03	1.0325-02	1.6733-01	1.6239+05	1.8873-03	1.2590+00
19	454.84	1.1717+01	1.8792+00	6.3505-03	1.8792+00	6.3505-03	8.7460-03	1.4174-01	1.3756+05	1.5986-03	1.6500+00
20	450.12	7.1678+00	1.1880+00	3.9992-03	1.1880+00	3.9992-03	5.5078-03	8.9263-02	8.6626+04	1.0065-03	1.7720+00
21	475.44	1.7897+01	2.8214+00	9.6965-03	2.8214+00	9.6965-03	1.3354-02	2.1643-01	2.1004+05	2.4428-03	4.8300-01
22	464.79	1.5602+01	2.4962+00	8.5040-03	2.4962+00	8.5040-03	1.1712-02	1.8981-01	1.8420+05	2.1415-03	8.7000-01
23	454.70	1.2698+01	2.0239+00	6.8386-03	2.0239+00	6.8386-03	9.4182-03	1.5264-01	1.4813+05	1.7214-03	1.2590+00
24	457.06	1.1211+01	1.8119+00	6.1340-03	1.8119+00	6.1340-03	8.4479-03	1.3691-01	1.3287+05	1.5442-03	1.6500+00
25	455.19	7.6468+00	1.2492+00	4.2228-03	1.2492+00	4.2228-03	5.8157-03	9.4253-02	9.1469+04	1.0630-03	1.7720+00
26	455.04	1.7719+00	2.9728-01	1.0047-03	2.9728-01	1.0047-03	1.3837-03	2.2426-02	2.1764+04	2.5292-04	1.9200+00
27	480.09	1.1777+00	2.0092-01	6.9317-04	2.0092-01	6.9317-04	9.5465-04	1.5472-02	1.5015+04	1.7466-04	3.0250+00
28	493.53	1.0509+00	1.8087-01	6.3107-04	1.8087-01	6.3107-04	8.6912-04	1.4086-02	1.3670+04	1.5910-04	3.4150+00
29	456.56	1.2537+01	1.9701+00	6.6667-03	1.9701+00	6.6667-03	9.1815-03	1.4880-01	1.4441+05	1.6783-03	8.7000-01
30	452.84	1.0552+01	1.6746+00	5.6497-03	1.6746+00	5.6497-03	7.7808-03	1.2610-01	1.2238+05	1.4221-03	1.2590+00
31	459.77	1.0726+01	1.7261+00	5.8565-03	1.7261+00	5.8565-03	8.0657-03	1.3072-01	1.2686+05	1.4745-03	1.6500+00
32	460.83	7.0166+00	1.1507+00	3.9075-03	1.1507+00	3.9075-03	5.3815-03	8.7217-02	8.4641+04	9.8385-04	1.7720+00
33	480.91	1.0992+00	1.8434-01	6.3643-04	1.8434-01	6.3643-04	8.7651-04	1.4205-02	1.3786+04	1.6037-04	2.2400+00
34	491.66	8.6494-01	1.4651-01	5.1037-04	1.4651-01	5.1037-04	7.0290-04	1.1392-02	1.1055+04	1.2866-04	3.0250+00
35	457.03	1.4457+01	2.1021+00	7.1161-03	2.1021+00	7.1161-03	9.8005-03	1.5883-01	1.5414+05	1.7915-03	1.1570-01
37	488.49	2.0002+01	3.1302+00	1.0875-02	3.1302+00	1.0875-02	1.4978-02	2.4274-01	2.3557+05	2.7412-03	1.2500+00
38	472.82	1.5081+00	2.5305-01	8.6782-04	2.5305-01	8.6782-04	1.1952-03	1.9370-02	1.8798+04	2.1860-04	1.9200+00
39	489.07	8.6753-01	1.4844-01	5.1599-04	1.4844-01	5.1599-04	7.1064-04	1.1517-02	1.1177+04	1.3006-04	2.2400+00
40	488.11	4.2597-01	7.3912-02	2.5671-04	7.3912-02	2.5671-04	3.5355-04	5.7299-03	5.5606+03	6.4705-05	3.0250+00
41	488.26	5.2000-01	8.9452-02	3.1073-04	8.9452-02	3.1073-04	4.2794-04	6.9355-03	6.7306+03	7.8320-05	3.4150+00
42	476.65	2.0112+01	3.2132+00	1.1054-02	3.2132+00	1.1054-02	1.5224-02	2.4673-01	2.3944+05	2.7850-03	8.7000-01
43	472.86	2.1462+01	3.4843+00	1.1949-02	3.4843+00	1.1949-02	1.6457-02	2.6672-01	2.5884+05	3.0101-03	1.2590+00
44	479.25	1.5074+01	2.4650+00	8.4986-03	2.4650+00	8.4986-03	1.1704-02	1.8969-01	1.8409+05	2.1414-03	1.6500+00
45	479.38	8.5699+00	1.4144+00	4.8768-03	1.4144+00	4.8768-03	6.7165-03	1.0885-01	1.0564+05	1.2288-03	1.7720+00
46	497.63	1.8743+00	3.1871-01	1.1158-03	3.1871-01	1.1158-03	1.5367-03	2.4906-02	2.4170+04	2.8135-04	2.2400+00
47	492.73	1.8062+00	3.1071-01	1.0833-03	3.1071-01	1.0833-03	1.4920-03	2.4181-02	2.3466+04	2.7311-04	3.0250+00
48	462.05	1.4420+01	2.2530+00	7.6584-03	2.2530+00	7.6584-03	1.0547-02	1.7094-01	1.6589+05	1.9284-03	8.7000-01
49	458.48	1.4033+01	2.2494+00	7.6240-03	2.2494+00	7.6240-03	1.0500-02	1.7017-01	1.6514+05	1.9194-03	1.2590+00
50	480.40	1.3221+01	2.1900+00	7.5577-03	2.1900+00	7.5577-03	1.0409-02	1.6869-01	1.6371+05	1.9044-03	1.6500+00
51	480.86	7.6016+00	1.2596+00	4.3485-03	1.2596+00	4.3485-03	5.9888-03	9.7059-02	9.4192+04	1.0957-03	1.7720+00
52	482.55	8.6130-01	1.4589-01	5.0436-04	1.4589-01	5.0436-04	6.9462-04	1.1258-02	1.0925+04	1.2710-04	1.9200+00
53	495.48	5.9013-01	1.0021-01	3.5020-04	1.0021-01	3.5020-04	4.8231-04	7.8167-03	7.5858+03	8.8296-05	2.2400+00
54	492.65	3.3299-01	5.6441-02	1.9678-04	5.6441-02	1.9678-04	2.7101-04	4.3921-03	4.2624+03	4.9607-05	2.6360+00
55	487.88	7.0545-01	1.1920-01	4.1394-04	1.1920-01	4.1394-04	5.7008-04	9.2392-03	8.9662+03	1.0433-04	3.0250+00
56	484.26	9.3610-01	1.5921-01	5.5118-04	1.5921-01	5.5118-04	7.5910-04	1.2303-02	1.1939+04	1.3891-04	3.4150+00
57	507.20	2.8630+01	4.3023+00	1.5185-02	4.3023+00	1.5185-02	2.0913-02	3.3894-01	3.2893+05	3.8304-03	1.1570-01
58	473.51	1.4809+01	2.3464+00	8.0514-03	2.3464+00	8.0514-03	1.1089-02	1.7971-01	1.7440+05	2.0282-03	2.5000-01
59	456.66	1.0444+01	1.6464+00	5.5719-03	1.6464+00	5.5719-03	7.6738-03	1.2437-01	1.2069+05	1.4027-03	4.8300-01
60	456.05	1.1935+01	1.8807+00	6.3615-03	1.8807+00	6.3615-03	8.7613-03	1.4199-01	1.3780+05	1.6014-03	8.7000-01
61	470.71	1.2156+00	1.9465-01	6.6637-04	1.9465-01	6.6637-04	9.1773-04	1.4874-02	1.4434+04	1.6785-04	1.2590+00
62	460.28	6.0499+00	9.6498-01	3.2754-03	9.6498-01	3.2754-03	4.5110-03	7.3108-02	7.0948+04	8.2468-04	1.6500+00
63	469.07	3.7595+00	6.2741-01	2.1450-03	6.2741-01	2.1450-03	2.9541-03	4.7877-02	4.6462+04	5.4025-04	1.7720+00
64	493.14	5.8026-01	1.0014-01	3.4926-04	1.0014-01	3.4926-04	4.8101-04	7.7956-03	7.5653+03	8.8049-05	2.2400+00
65	485.07	4.1558-01	7.1550-02	2.4788-04	7.1550-02	2.4788-04	3.4138-04	5.5327-03	5.3692+03	6.2470-05	3.0250+00
66	503.51	2.7031+01	4.0525+00	1.4259-02	4.0525+00	1.4259-02	1.9637-02	3.1826-01	3.0886+05	3.5961-03	1.1570-01
67	470.94	1.3289+01	2.0426+00	6.9940-03	2.0426+00	6.9940-03	9.6322-03	1.5611-01	1.5150+05	1.7617-03	2.5000-01
68	453.16	9.0665+00	1.4258+00	4.8117-03	1.4258+00	4.8117-03	6.6268-03	1.0740-01	1.0423+05	1.2112-03	4.8300-01
69	442.59	7.2919+00	1.1385+00	3.8093-03	1.1385+00	3.8093-03	5.2463-03	8.5025-02	8.2514+04	9.5845-04	8.7000-01
70	440.92	5.9517+00	9.4549-01	3.1594-03	9.4549-01	3.1594-03	4.3512-03	7.0519-02	6.8436+04	7.9488-04	1.2590+00
71	454.66	5.2623+00	8.5424-01	2.8863-03	8.5424-01	2.8863-03	3.9751-03	6.4423-02	6.2520+04	7.2655-04	1.6500+00
72	464.56	3.5995+00	6.0067-01	2.0460-03	6.0067-01	2.0460-03	2.8178-03	4.5667-02	4.4318+04	5.1523-04	1.7720+00
73	473.59	6.2961-01	1.0633-01	3.6487-04	1.0633-01	3.6487-04	5.0251-04	8.1441-03	7.9035+03	9.1915-05	1.9200+00
74	488.99	2.8312-01	4.8584-02	1.6887-04	4.8584-02	1.6887-04	2.3257-04	3.7692-03	3.6578+03	4.2565-05	2.2400+00
75	480.34	2.6701-01	4.5562-02	1.5722-04	4.5562-02	1.5722-04	2.1653-04	3.5093-03	3.4056+03	3.9617-05	3.0250+00
76	478.36	1.5481-01	2.6458-02	9.1150-05	2.6458-02	9.1150-05	1.2553-04	2.0345-03	1.9744+03	2.2966-05	3.4150+00
77	446.27	1.6701+00	2.7363-01	9.1829-04	2.7363-01	9.1829-04	1.2647-03	2.0496-02	1.9891+04	2.3108-04	2.6360+00
78	455.81	1.5958+00	2.6630-01	9.0063-04	2.6630-01	9.0063-04	1.2404-03	2.0102-02	1.9508+04	2.2672-04	3.0250+00
79	472.59	1.4862+00	2.5157-01	8.6255-04	2.5157-01	8.6255-04	1.1879-03	1.9252-02	1.8684+04	2.1728-04	3.4150+00
80	450.66	1.8997+00	3.1776-01	1.0702-03	3.1776-01	1.0702-03	1.4739-03	2.3887-02	2.3181+04	2.6935-04	2.2400+00
81	452.17	1.4582+00	2.3987-01	8.0885-04	2.3987-01	8.0885-04	1.1140-03	1.8054-02	1.7520+04	2.0359-04	2.6360+00
82	463.29	1.6810+00	2.7946-01	9.5089-04	2.7946-01	9.5089-04	1.3096-03	2.1224-02	2.0597+04	2.3944-04	3.0250+00
83	475.63	1.5673+00	2.6504-01	9.1104-04	2.6504-01	9.1104-04	1.2547-03	2.0335-02	1.9734+04	2.2952-04	3.4150+00
401	580.22	5.4613+01	4.8983+00	1.8436-02	4.8983+00	1.8436-02	2.5391-02	4.1150-01	3.9935+05	4.6642-03	4.4500-01
403	537.19	3.3333+01	2.9140+00	1.0554-02	2.9140+00	1.0554-02	1.4536-02	2.3558-01	2.2862+05	2.6655-03	6.8600-01
404	529.63	3.1576+01	2.7475+00	9.8862-03	2.7475+00	9.8862-03	1.3615-02	2.2066-01	2.1414+05	2.4960-03	8.0100-01
405	493.57	2.2193+01	1.8875+00	6.5858-03	1.8875+00	6.5858-03	9.0701-03	1.4700-01	1.4266+05	1.6603-03	1.0510+00
406	591.71	-3.1169-03	-2.8141-04	-1.0704-06	-2.8141-04	-1.0704-06	-1.4741-06	-2.3891-05	-2.3185+01	-2.7093-07	1.1670+00
407	500.78	2.6592+01	2.3125+00	8.1178-03	2.3125+00	8.1178-03	1.1180-02	1.8119-01	1.7584+05	2.0471-03	1.2830+00
408	537.04	4.1420+01	3.6206+00	1.3112-02	3.6206+00	1.3112-02	1.8058-02	2.9267-01	2.8402+05	3.3114-03	5.1300-01
409	493.90	2.0341+01	1.7508+00	6.1106-03	1.7508+00	6.1106-03	8.4157-03	1.3639-01	1.3236+05	1.5406-03	5.7000-01
410	520.38	3.0888+01	2.7039+00	9.6517-03	2.7039+00	9.6517-03	1.3293-02	2.1543-01	2.0906+05	2.4359-03	6.2800-01
411	483.85	1.5666+01	1.3397+00	4.6364-03	1.3397+00	4.6364-03	6.3854-03	1.0349-01	1.0043+05	1.1684-03	6.8600-01
412	523.31	3.1184+01	2.7348+00	9.7868-03	2.7348+00	9.7868-03	1.3479-02	2.1844-01	2.1199+05	2.4702-03	7.4400-01
413	480.99	1.4923+01	1.2737+00	4.3978-03	1.2737+00	4.3978-03	6.0567-03	9.8160-02	9.5260+04	1.1082-03	8.0100-01
414	523.74	3.1019+01	2.6892+00	9.6272-03	2.6892+00	9.6272-03	1.3259-02	2.1488-01	2.0853+05	2.4300-03	8.5900-01
415	478.64	1.3403+01	1.1355+00	3.9129-03	1.1355+00	3.9129-03	5.3889-03	8.7337-02	8.4757+04	9.8588-04	9.1700-01
416	522.91	3.3572+01	2.8746+00	1.0284-02	2.8746+00	1.0284-02	1.4163-02	2.2954-01	2.2275+05	2.5956-03	5.7000-01
417	514.90	2.6575+01	2.3184+00	8.2367-03	2.3184+00	8.2367-03	1.1344-02	1.8385-01	1.7842+05	2.0783-03	1.0520+00

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175 4 -3.12 -15.12 .00 -.00 404 2 1.90 10.04 219.5 1645.4

8.04404+01 4.86183-03 3.43160-01 4.41299+03 5.07093-06 6.51567-08 2.88133-02 7.72000+00 6.69184-06 7.51677-02

1	501.33	7.4725+01	1.2397+01	4.2903-02	1.2397+01	4.2903-02	5.9589-02	9.6685-01	9.1885+05	1.0836-02	.0000+00
2	490.97	5.4539+01	8.0559+00	2.7642-02	8.0559+00	2.7642-02	3.8392-02	6.2292-01	5.9199+05	6.9784-03	1.1570-01
3	476.52	3.3855+01	5.3747+00	1.8224-02	5.3747+00	1.8224-02	2.5312-02	4.1070-01	3.9031+05	4.5982-03	2.5000-01
4	466.53	2.6728+01	4.2415+00	1.4266-02	4.2415+00	1.4266-02	1.9814-02	3.2149-01	3.0553+05	3.5980-03	4.8300-01
5	456.11	1.9998+01	3.1415+00	1.0478-02	3.1415+00	1.0478-02	1.4553-02	2.3612-01	2.2440+05	2.6415-03	8.7000-01
6	448.46	1.6698+01	2.6583+00	8.8122-03	2.6583+00	8.8122-03	1.2239-02	1.9859-01	1.8873+05	2.2210-03	1.2590+00
7	444.72	1.5224+01	2.4100+00	7.9654-03	2.4100+00	7.9654-03	1.1063-02	1.7951-01	1.7059+05	2.0072-03	1.6500+00
8	446.01	1.2152+01	1.9966+00	6.6057-03	1.9966+00	6.6057-03	9.1748-03	1.4886-01	1.4147+05	1.6647-03	1.7720+00
9	446.65	3.3460+00	5.5813-01	1.8475-03	5.5813-01	1.8475-03	2.5661-03	4.1636-02	3.9568+04	4.6561-04	1.9200+00
10	457.53	2.7532+00	4.6675-01	1.5585-03	4.6675-01	1.5585-03	2.1647-03	3.5122-02	3.3378+04	3.9294-04	2.2400+00
11	464.00	2.4296+00	4.1728-01	1.4006-03	4.1728-01	1.4006-03	1.9453-03	3.1564-02	2.9997+04	3.5322-04	2.6360+00
12	475.49	2.4140+00	4.1660-01	1.4114-03	4.1660-01	1.4114-03	1.9603-03	3.1807-02	3.0228+04	3.5610-04	3.0250+00
13	483.98	2.4125+00	4.1867-01	1.4283-03	4.1867-01	1.4283-03	1.9838-03	3.2188-02	3.0590+04	3.6049-04	3.4150+00
14	493.18	5.0248+01	7.4580+00	2.5637-02	7.4580+00	2.5637-02	3.5607-02	5.7774-01	5.4906+05	6.4728-03	1.1570-01
15	470.88	2.9030+01	4.6202+00	1.5594-02	4.6202+00	1.5594-02	2.1659-02	3.5143-01	3.3398+05	3.9338-03	2.5000-01
16	460.06	2.3569+01	3.6892+00	1.2344-02	3.6892+00	1.2344-02	1.7144-02	2.7817-01	2.6436+05	3.1124-03	4.8300-01
17	450.05	1.7827+01	2.7976+00	9.2858-03	2.7976+00	9.2858-03	1.2897-02	2.0926-01	1.9887+05	2.3405-03	8.7000-01
18	443.19	1.4906+01	2.3499+00	7.7574-03	2.3499+00	7.7574-03	1.0774-02	1.7482-01	1.6614+05	1.9547-03	1.2590+00
19	444.71	1.3232+01	2.1076+00	6.9659-03	2.1076+00	6.9659-03	9.6750-03	1.5698-01	1.4919+05	1.7554-03	1.6500+00
20	447.39	8.3714+00	1.3849+00	4.5869-03	1.3849+00	4.5869-03	6.3708-03	1.0337-01	9.8237+04	1.1560-03	1.7720+00
21	456.97	2.0297+01	3.1604+00	1.0548-02	3.1604+00	1.0548-02	1.4651-02	2.3771-01	2.2591+05	2.6594-03	4.8300-01
22	448.52	1.5676+01	2.4805+00	8.2232-03	2.4805+00	8.2232-03	1.1421-02	1.8532-01	1.7611+05	2.0725-03	8.7000-01
23	441.92	1.3705+01	2.1654+00	7.1409-03	2.1654+00	7.1409-03	9.9181-03	1.6093-01	1.5294+05	1.7993-03	1.2590+00
24	446.17	1.1643+01	1.8676+00	6.1799-03	1.8676+00	6.1799-03	8.5833-03	1.3927-01	1.3235+05	1.5574-03	1.6500+00
25	450.20	8.5501+00	1.3921+00	4.6211-03	1.3921+00	4.6211-03	6.4183-03	1.0414-01	9.8969+04	1.1647-03	1.7720+00
26	458.15	2.0925+00	3.5179-01	1.1752-03	3.5179-01	1.1752-03	1.6323-03	2.6485-02	2.5170+04	2.9631-04	1.9200+00
27	482.46	1.4935+00	2.5520-01	8.6954-04	2.5520-01	8.6954-04	1.2077-03	1.9596-02	1.8623+04	2.1945-04	3.0250+00
28	495.02	1.3958+00	2.4047-01	8.2788-04	2.4047-01	8.2788-04	1.1499-03	1.8657-02	1.7731+04	2.0904-04	3.4150+00
29	445.40	9.9626+00	1.5536+00	5.1376-03	1.5536+00	5.1376-03	7.1357-03	1.1578-01	1.1003+05	1.2947-03	8.7000-01
30	441.15	1.1498+01	1.8101+00	5.9656-03	1.8101+00	5.9656-03	8.2857-03	1.3444-01	1.2776+05	1.5031-03	1.2590+00
31	448.50	1.0477+01	1.6731+00	5.5464-03	1.6731+00	5.5464-03	7.7035-03	1.2499-01	1.1879+05	1.3979-03	1.6500+00
32	454.88	7.0145+00	1.1457+00	3.8176-03	1.1457+00	3.8176-03	5.3023-03	8.6032-02	8.1760+04	9.6239-04	1.7720+00
33	482.23	1.1455+00	1.9226-01	6.5498-04	1.9226-01	6.5498-04	9.0971-04	1.4760-02	1.4028+04	1.6530-04	2.2400+00
34	492.71	1.1517+00	1.9522-01	6.7080-04	1.9522-01	6.7080-04	9.3169-04	1.5117-02	1.4366+04	1.6936-04	3.0250+00
35	441.68	8.6166+00	1.2397+00	4.0876-03	1.2397+00	4.0876-03	5.6773-03	9.2117-02	8.7543+04	1.0299-03	1.1570-01
37	464.42	1.9702+01	3.0346+00	1.0189-02	3.0346+00	1.0189-02	1.4152-02	2.2962-01	2.1822+05	2.5696-03	1.2500+00
38	474.49	1.0057+00	1.6895-01	5.7192-04	1.6895-01	5.7192-04	7.9435-04	1.2889-02	1.2249+04	1.4429-04	1.9200+00
39	490.42	7.7143-01	1.3212-01	4.5312-04	1.3212-01	4.5312-04	6.2934-04	1.0211-02	9.7043+03	1.1439-04	2.2400+00
40	491.55	8.3013-01	1.4436-01	4.9557-04	1.4436-01	4.9557-04	6.8831-04	1.1168-02	1.0614+04	1.2511-04	3.0250+00
41	488.93	8.8416-01	1.5216-01	5.2123-04	1.5216-01	5.2123-04	7.2394-04	1.1746-02	1.1163+04	1.3158-04	3.4150+00
42	449.77	1.5235+01	2.3904+00	7.9326-03	2.3904+00	7.9326-03	1.1018-02	1.7877-01	1.6989+05	1.9994-03	8.7000-01
43	451.26	1.9223+01	3.0757+00	1.0219-02	3.0757+00	1.0219-02	1.4193-02	2.3028-01	2.1885+05	2.5757-03	1.2590+00
44	461.21	7.5273+00	1.2162+00	4.0731-03	1.2162+00	4.0731-03	5.6572-03	9.1790-02	8.7232+04	1.0271-03	1.6500+00
45	470.07	4.2218+00	6.9248-01	2.3358-03	6.9248-01	2.3358-03	3.2442-03	5.2638-02	5.0025+04	5.8919-04	1.7720+00
46	495.78	1.4239+00	2.4184-01	8.3312-04	2.4184-01	8.3312-04	1.1571-03	1.8775-02	1.7843+04	2.1037-04	2.2400+00
47	489.51	5.8078-01	9.9698-02	3.4168-04	9.9698-02	3.4168-04	4.7456-04	7.6999-03	7.3176+03	8.6254-05	3.0250+00
48	444.41	1.3525+01	2.0880+00	6.8993-03	2.0880+00	6.8993-03	9.5825-03	1.5548-01	1.4776+05	1.7386-03	8.7000-01
49	455.24	3.4274+01	5.4818+00	1.8271-02	5.4818+00	1.8271-02	2.5376-02	4.1174-01	3.9130+05	4.6060-03	1.2590+00
50	468.56	2.2416+01	3.6842+00	1.2412-02	3.6842+00	1.2412-02	1.7239-02	2.7971-01	2.6582+05	3.1306-03	1.6500+00
51	473.12	9.0514+00	1.4922+00	5.0457-03	1.4922+00	5.0457-03	7.0081-03	1.1371-01	1.0806+05	1.2729-03	1.7720+00
52	485.84	8.4623-01	1.4365-01	4.9081-04	1.4365-01	4.9081-04	6.8169-04	1.1061-02	1.0512+04	1.2388-04	1.9200+00
53	496.86	1.2847+00	2.1834-01	7.5285-04	2.1834-01	7.5285-04	1.0456-03	1.6966-02	1.6124+04	1.9011-04	2.2400+00
54	494.14	5.9481-01	1.0092-01	3.4718-04	1.0092-01	3.4718-04	4.8220-04	7.8238-03	7.4353+03	8.7658-05	2.6360+00
55	489.05	8.2649-01	1.3976-01	4.7880-04	1.3976-01	4.7880-04	6.6501-04	1.0790-02	1.0254+04	1.2087-04	3.0250+00
56	483.89	5.4494-01	9.2656-02	3.1608-04	9.2656-02	3.1608-04	4.3901-04	7.1230-03	6.7694+03	7.9774-05	3.4150+00
57	470.83	2.3852+01	3.5005+00	1.1815-02	3.5005+00	1.1815-02	1.6410-02	2.6625-01	2.5303+05	2.9803-03	1.1570-01
58	456.11	1.2061+01	1.8887+00	6.2994-03	1.8887+00	6.2994-03	8.7494-03	1.4196-01	1.3491+05	1.5881-03	2.5000-01
59	444.59	8.6914+00	1.3588+00	4.4907-03	1.3588+00	4.4907-03	6.2372-03	1.0120-01	9.6176+04	1.1316-03	4.8300-01
60	442.87	1.3499+01	2.1080+00	6.9570-03	2.1080+00	6.9570-03	9.6627-03	1.5678-01	1.4900+05	1.7530-03	8.7000-01
61	474.12	1.6686+00	2.6779-01	9.0627-04	2.6779-01	9.0627-04	1.2587-03	2.0423-02	1.9409+04	2.2864-04	1.2590+00
62	458.38	8.6571+00	1.3791+00	4.6080-03	1.3791+00	4.6080-03	6.4001-03	1.0384-01	9.8688+04	1.1618-03	1.6500+00
63	469.30	6.0457+00	1.0091+00	3.4016-03	1.0091+00	3.4016-03	4.7246-03	7.6658-02	7.2852+04	8.5802-04	1.7720+00
64	493.97	3.1792-01	5.4893-02	1.8882-04	5.4893-02	1.8882-04	2.6226-04	4.2552-03	4.0439+03	4.7675-05	2.2400+00
65	485.71	4.4416-01	7.6501-02	2.6136-04	7.6501-02	2.6136-04	3.6300-04	5.8899-03	5.5974+03	6.5968-05	3.0250+00
66	469.11	2.1299+01	3.1222+00	1.0523-02	3.1222+00	1.0523-02	1.4616-02	2.3714-01	2.2537+05	2.6543-03	1.1570-01
67	454.65	1.0108+01	1.5367+00	5.1195-03	1.5367+00	5.1195-03	7.1105-03	1.1537-01	1.0964+05	1.2906-03	2.5000-01
68	441.77	6.5319+00	1.0192+00	3.3608-03	1.0192+00	3.3608-03	4.6679-03	7.5739-02	7.1978+04	8.4682-04	4.8300-01
69	431.98	4.3106+00	6.6805-01	2.1859-03	6.6805-01	2.1859-03	3.0360-03	4.9261-02	4.6815+04	5.5056-04	8.7000-01
70	430.52	3.6109+00	5.6949-01	1.8613-03	5.6949-01	1.8613-03	2.5851-03	4.1945-02	3.9862+04	4.6877-04	1.2590+00
71	447.57	3.2135+00	5.1912-01	1.7197-03	5.1912-01	1.7197-03	2.3885-03	3.8754-02	3.6830+04	4.3340-04	1.6500+00
72	459.45	2.4712+00	4.1096-01	1.3744-03	4.1096-01	1.3744-03	1.9089-03	3.0972-02	2.9434+04	3.4653-04	1.7720+00
73	473.03	4.7377-01	7.9980-02	2.7043-04	7.9980-02	2.7043-04	3.7560-04	6.0943-03	5.7917+03	6.8222-05	1.9200+00
74	488.75	2.5299-01	4.3407-02	1.4867-04	4.3407-02	1.4867-04	2.0648-04	3.3503-03	3.1839+03	3.7529-05	2.2400+00
75	480.63	2.9143-01	4.9737-02	1.6922-04	4.9737-02	1.6922-04	2.3503-04	3.8134-03	3.6240+03	4.2702-05	3.0250+00
76	477.78	2.3169-01	3.9583-02	1.3435-04	3.9583-02	1.3435-04	1.8661-04	3.0278-03	2.8774+03	3.3901-05	3.4150+00
77	452.47	2.0603+00	3.3899-01	1.1273-03	3.3899-01	1.1273-03	1.5658-03	2.5405-02	2.4144+04	2.8417-04	2.6360+00
78	463.66	2.1943+00	3.6812-01	1.2353-03	3.6812-01	1.2353-03	1.7157-03	2.7838-02	2.6455+04	3.1151-04	3.0250+00
79	475.48	2.1823+00	3.7010-01	1.2539-03	3.7010-01	1.2539-03	1.7415-03	2.8257-02	2.6854+04	3.1636-04	3.4150+00
80	455.30	2.6862+00	4.5074-01	1.5024-03	4.5074-01	1.5024-03	2.0867-03	3.3857-02	3.2176+04	3.7875-04	2.2400+00
81	457.91	2.5210+00	4.1634-01	1.3906-03	4.1634-01	1.3906-03	1.9315-03	3.1339-02	2.9783+04	3.5061-04	2.6360+00
82	469.16	2.4332+00	4.0610-01	1.3688-03	4.0610-01	1.3688-03	1.9011-03	3.0846-02	2.9315+04	3.4526-04	3.0250+00
83	479.70	2.3257+00	3.9436-01	1.3407-03	3.9436-01	1.3407-03	1.8621-03	3.0213-02	2.8713+04	3.3831-04	3.4150+00
401	517.46	7.9497+01	6.8651+00	2.4083-02	6.8651+00	2.4083-02	3.3450-02	5.4274-01	5.1579+05	6.0865-03	4.4500-01
403	494.95	5.1419+01	4.3772+00	1.5069-02	4.3772+00	1.5069-02	2.0929-02	3.3959-01	3.2272+05	3.8048-03	6.8600-01
404	491.20	4.7468+01	4.0310+00	1.3834-02	4.0310+00	1.3834-02	1.9214-02	3.1176-01	2.9628+05	3.4925-03	8.0100-01
405	471.41	2.9902+01	2.5065+00	8.4636-03	2.5065+00	8.4636-03	1.1755-02	1.9073-01	1.8126+05	2.1350-03	1.0510+00
406	591.71	-2.5974-03	-2.3451-04	-8.7793-07	-2.3451-06	-8.7793-07	-1.2194-06	-1.9785-05	-1.8802+01	-2.2257-07	1.1670+00
407	465.83	2.9703+01	2.5245+00	8.4862-03	2.5245+00	8.4862-03	1.1787-02	1.9124-01	1.8175+05	2.1403-03	1.2830+00
408	494.52	4.9493+01	4.2120+00	1.4495-02	4.2120+00	1.4495-02	2.0132-02	3.2665-01	3.1043+05	3.6599-03	5.1300-01
409	469.34	1.7930+01	1.5186+00	5.1193-03	1.5186+00	5.1193-03	7.1103-03	1.1537-01	1.0964+05	1.2913-03	5.7000-01
410	490.72	4.2914+01	3.6862+00	1.2646-02	3.6862+00	1.2646-02	1.7564-02	2.8498-01	2.7083+05	3.1925-03	6.2800-01
411	467.72	1.5024+01	1.2711+00	4.2795-03	1.2711+00	4.2795-03	5.9438-03	9.6440-02	9.1652+04	1.0794-03	6.8600-01
412	491.82	4.9107+01	4.2212+00	1.4494-02	4.2212+00	1.4494-02	2.0131-02	3.2664-01	3.1042+05	3.6593-03	7.4400-01
413	465.07	1.3440+01	1.1351+00	3.8132-03	1.1351+00	3.8132-03	5.2962-03	8.5933-02	8.1666+04	9.6168-04	8.0100-01
414	490.52	5.0094+01	4.2521+00	1.4584-02	4.2521+00	1.4584-02	2.0257-02	3.2867-01	3.1235+05	3.6819-03	8.5900-01
415	460.16	1.0151+01	8.4944-01	2.8424-03	8.4944-01	2.8424-03	3.9478-03	6.4055-02	6.0874+04	7.1670-04	9.1700-01
416	491.15	4.0608+01	3.4075+00	1.1694-02	3.4075+00	1.1694-02	1.6242-02	2.6353-01	2.5044+05	2.9522-03	5.7000-01
417	482.20	4.5789+01	3.9113+00	1.3324-02	3.9113+00	1.3324-02	1.8506-02	3.0027-01	2.8536+05	3.3626-03	1.0520+00

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175 4 -3.13 -15.13 .00 -.00 404 2 2.15 10.04 219.5 1645.6

8.04494+01 4.86175-03 3.43155-01 4.41323+03 5.07028-06 6.51640-08 2.88081-02 7.72000+00 6.69269-06 7.51665-02

1	519.75	7.2042+01	1.2092+01	4.2501-02	1.2092+01	4.2501-02	5.9035-02	9.5779-01	9.1012+05	1.0741-02	.0000+00
2	504.81	5.4337+01	8.0979+00	2.8107-02	8.0979+00	2.8107-02	3.9041-02	6.3342-01	6.0189+05	7.0988-03	1.1570-01
3	485.05	3.4144+01	5.4512+00	1.8614-02	5.4512+00	1.8614-02	2.5855-02	4.1947-01	3.9859+05	4.6973-03	2.5000-01
4	473.31	2.6904+01	4.2889+00	1.4505-02	4.2889+00	1.4505-02	2.0147-02	3.2688-01	3.1061+05	3.6588-03	4.8300-01
5	461.14	2.0175+01	3.1800+00	1.0649-02	3.1800+00	1.0649-02	1.4792-02	2.3999-01	2.2804+05	2.6849-03	8.7000-01
6	452.50	1.6386+01	2.6160+00	8.6999-03	2.6160+00	8.6999-03	1.2084-02	1.9606-01	1.8630+05	2.1927-03	1.2590+00
7	448.36	1.4432+01	2.2903+00	7.5918-03	2.2903+00	7.5918-03	1.0545-02	1.7109-01	1.6257+05	1.9131-03	1.6500+00
8	448.96	1.1443+01	1.8838+00	6.2472-03	1.8838+00	6.2472-03	8.6774-03	1.4078-01	1.3378+05	1.5743-03	1.7720+00
9	447.49	3.3881+00	5.6548-01	1.8731-03	5.6548-01	1.8731-03	2.6018-03	4.2212-02	4.0111+04	4.7200-04	1.9200+00
10	458.23	2.7221+00	4.6168-01	1.5425-03	4.6168-01	1.5425-03	2.1425-03	3.4760-02	3.3030+04	3.8884-04	2.2400+00
11	464.60	2.4504+00	4.2102-01	1.4139-03	4.2102-01	1.4139-03	1.9639-03	3.1862-02	3.0276+04	3.5651-04	2.6360+00
12	476.10	2.4239+00	4.1847-01	1.4185-03	4.1847-01	1.4185-03	1.9703-03	3.1966-02	3.0375+04	3.5784-04	3.0250+00
13	484.59	2.3356+00	4.0549-01	1.3840-03	4.0549-01	1.3840-03	1.9224-03	3.1190-02	2.9638+04	3.4927-04	3.4150+00
14	505.66	4.9658+01	7.4298+00	2.5807-02	7.4298+00	2.5807-02	3.5846-02	5.8157-01	5.5263+05	6.5180-03	1.1570-01
15	478.24	2.9098+01	4.6537+00	1.5802-02	4.6537+00	1.5802-02	2.1949-02	3.5611-01	3.3838+05	3.9867-03	2.5000-01
16	466.12	2.3999+01	3.7718+00	1.2682-02	3.7718+00	1.2682-02	1.7615-02	2.8580-01	2.7157+05	3.1980-03	4.8300-01
17	454.47	1.7838+01	2.8079+00	9.3527-03	2.8079+00	9.3527-03	1.2991-02	2.1077-01	2.0028+05	2.3574-03	8.7000-01
18	446.81	1.4371+01	2.2713+00	7.5193-03	2.2713+00	7.5193-03	1.0444-02	1.6945-01	1.6102+05	1.8947-03	1.2590+00
19	447.89	1.2488+01	1.9934+00	6.6050-03	1.9934+00	6.6050-03	9.1745-03	1.4885-01	1.4144+05	1.6644-03	1.6500+00
20	449.47	8.0135+00	1.3276+00	4.4044-03	1.3276+00	4.4044-03	6.1177-03	9.9255-02	9.4315+04	1.1099-03	1.7720+00
21	462.07	2.0179+01	3.1529+00	1.0566-02	3.1529+00	1.0566-02	1.4677-02	2.3812-01	2.2627+05	2.6641-03	4.8300-01
22	452.19	1.4986+01	2.3772+00	7.9039-03	2.3772+00	7.9039-03	1.0979-02	1.7812-01	1.6925+05	1.9920-03	8.7000-01
23	445.13	1.3172+01	2.0858+00	6.8960-03	2.0858+00	6.8960-03	9.5786-03	1.5541-01	1.4767+05	1.7375-03	1.2590+00
24	449.02	1.1149+01	1.7920+00	5.9430-03	1.7920+00	5.9430-03	8.2549-03	1.3393-01	1.2726+05	1.4976-03	1.6500+00
25	452.18	8.1293+00	1.3254+00	4.4066-03	1.3254+00	4.4066-03	6.1208-03	9.9305-02	9.4362+04	1.1106-03	1.7720+00
26	458.67	2.0675+00	3.4772-01	1.1621-03	3.4772-01	1.1621-03	1.6142-03	2.6190-02	2.4886+04	2.9297-04	1.9200+00
27	482.82	1.4909+00	2.5482-01	8.6849-04	2.5482-01	8.6849-04	1.2063-03	1.9572-02	1.8598+04	2.1915-04	3.0250+00
28	495.35	1.3522+00	2.3300-01	8.0239-04	2.3300-01	8.0239-04	1.1145-03	1.8082-02	1.7182+04	2.0258-04	3.4150+00
29	447.56	9.2146+00	1.4391+00	4.7671-03	1.4391+00	4.7671-03	6.6216-03	1.0743-01	1.0208+05	1.2012-03	8.7000-01
30	443.70	1.0589+01	1.6699+00	5.5148-03	1.6699+00	5.5148-03	7.6601-03	1.2428-01	1.1809+05	1.3894-03	1.2590+00
31	451.01	1.0121+01	1.6190+00	5.3778-03	1.6190+00	5.3778-03	7.4698-03	1.2119-01	1.1516+05	1.3553-03	1.6500+00
32	456.64	7.1320+00	1.1663+00	3.8916-03	1.1663+00	3.8916-03	5.4055-03	8.7700-02	8.3335+04	9.8098-04	1.7720+00
33	482.50	1.1823+00	1.9849-01	6.7635-04	1.9849-01	6.7635-04	9.3945-04	1.5242-02	1.4483+04	1.7067-04	2.2400+00
34	492.98	1.1205+00	1.8997-01	6.5291-04	1.8997-01	6.5291-04	9.0690-04	1.4714-02	1.3981+04	1.6482-04	3.0250+00
35	443.65	8.4140+00	1.2122+00	4.0032-03	1.2122+00	4.0032-03	5.5605-03	9.0215-02	8.5725+04	1.0086-03	1.1570-01
37	469.32	1.9595+01	3.0280+00	1.0207-02	3.0280+00	1.0207-02	1.4178-02	2.3003-01	2.1858+05	2.5744-03	1.2500+00
38	474.73	1.0036+00	1.6863-01	5.7094-04	1.6863-01	5.7094-04	7.9305-04	1.2867-02	1.2226+04	1.4402-04	1.9200+00
39	490.57	7.0338-01	1.2047-01	4.1324-04	1.2047-01	4.1324-04	5.7399-04	9.3126-03	8.8491+03	1.0431-04	2.2400+00
40	491.74	7.5584-01	1.3146-01	4.5135-04	1.3146-01	4.5135-04	6.2693-04	1.0171-02	9.6652+03	1.1393-04	3.0250+00
41	489.12	7.6883-01	1.3233-01	4.5337-04	1.3233-01	4.5337-04	6.2974-04	1.0217-02	9.7085+03	1.1443-04	3.4150+00
42	453.32	1.4865+01	2.3381+00	7.7808-03	2.3381+00	7.7808-03	1.0808-02	1.7535-01	1.6662+05	1.9611-03	8.7000-01
43	455.75	1.8024+01	2.8926+00	9.6449-03	2.8926+00	9.6449-03	1.3397-02	2.1735-01	2.0654+05	2.4312-03	1.2590+00
44	462.92	7.3075+00	1.1821+00	3.9642-03	1.1821+00	3.9642-03	5.5063-03	8.9336-02	8.4889+04	9.9953-04	1.6500+00
45	471.03	4.2686+00	7.0060-01	2.3650-03	7.0060-01	2.3650-03	3.2850-03	5.3297-02	5.0645+04	5.9651-04	1.7720+00
46	496.12	1.3096+00	2.2247-01	7.6663-04	2.2247-01	7.6663-04	1.0649-03	1.7276-02	1.6417+04	1.9355-04	2.2400+00
47	489.64	5.1429-01	8.8291-02	3.0262-04	8.8291-02	3.0262-04	4.2034-04	6.8197-03	6.4802+03	7.6383-05	3.0250+00
48	447.80	1.3614+01	2.1066+00	6.9796-03	2.1066+00	6.9796-03	9.6947-03	1.5729-01	1.4946+05	1.7588-03	8.7000-01
49	463.87	3.3718+01	5.4245+00	1.8206-02	5.4245+00	1.8206-02	2.5288-02	4.1028-01	3.8986+05	4.5905-03	1.2590+00
50	474.26	2.2563+01	3.7225+00	1.2599-02	3.7225+00	1.2599-02	1.7500-02	2.8392-01	2.6979+05	3.1781-03	1.6500+00
51	475.39	9.2130+00	1.5211+00	5.1530-03	1.5211+00	5.1530-03	7.1576-03	1.1613-01	1.1035+05	1.2999-03	1.7720+00
52	486.04	8.2234-01	1.3961-01	4.7709-04	1.3961-01	4.7709-04	6.6269-04	1.0752-02	1.0216+04	1.2040-04	1.9200+00
53	497.16	1.3210+00	2.2457-01	7.7450-04	2.2457-01	7.7450-04	1.0758-03	1.7454-02	1.6585+04	1.9555-04	2.2400+00
54	494.28	6.2597-01	1.0621-01	3.6545-04	1.0621-01	3.6545-04	5.0761-04	8.2356-03	7.8256+03	9.2258-05	2.6360+00
55	489.26	8.3844-01	1.4180-01	4.8587-04	1.4180-01	4.8587-04	6.7488-04	1.0949-02	1.0404+04	1.2264-04	3.0250+00
56	484.01	5.0961-01	8.6657-02	2.9564-04	8.6657-02	2.9564-04	4.1065-04	6.6625-03	6.3309+03	7.4605-05	3.4150+00
57	476.82	2.4330+01	3.5848+00	1.2158-02	3.5848+00	1.2158-02	1.6888-02	2.7399-01	2.6035+05	3.0672-03	1.1570-01
58	459.13	1.2116+01	1.9012+00	6.3566-03	1.9012+00	6.3566-03	8.8293-03	1.4325-01	1.3612+05	1.6025-03	2.5000-01
59	446.68	8.4821+00	1.3280+00	4.3961-03	1.3280+00	4.3961-03	6.1063-03	9.9070-02	9.4139+04	1.1077-03	4.8300-01
60	446.20	1.3182+01	2.0633+00	6.8274-03	2.0633+00	6.8274-03	9.4833-03	1.5386-01	1.4620+05	1.7203-03	8.7000-01
61	474.54	1.6821+00	2.7004-01	9.1417-04	2.7004-01	9.1417-04	1.2698-03	2.0601-02	1.9576+04	2.3060-04	1.2590+00
62	460.49	8.5257+00	1.3601+00	4.5523-03	1.3601+00	4.5523-03	6.3232-03	1.0259-01	9.7482+04	1.1477-03	1.6500+00
63	470.82	5.8987+00	9.8557-01	3.3264-03	9.8557-01	3.3264-03	4.6204-03	7.4963-02	7.1231+04	8.3898-04	1.7720+00
64	494.02	2.8883-01	4.9872-02	1.7156-04	4.9872-02	1.7156-04	2.3829-04	3.8661-03	3.6737+03	4.3309-05	2.2400+00
65	485.80	2.7896-01	4.8050-02	1.6417-04	4.8050-02	1.6417-04	2.2804-04	3.6997-03	3.5155+03	4.1431-05	3.0250+00
66	474.47	2.1763+01	3.2015+00	1.0838-02	3.2015+00	1.0838-02	1.5053-02	2.4423-01	2.3207+05	2.7338-03	1.1570-01
67	457.20	1.0320+01	1.5717+00	5.2466-03	1.5717+00	5.2466-03	7.2875-03	1.1823-01	1.1235+05	1.3226-03	2.5000-01
68	443.37	6.4068+00	1.0008+00	3.3043-03	1.0008+00	3.3043-03	4.5896-03	7.4463-02	7.0757+04	8.3249-04	4.8300-01
69	432.97	4.0842+00	6.3339-01	2.0741-03	6.3339-01	2.0741-03	2.8810-03	4.6741-02	4.4415+04	5.2235-04	8.7000-01
70	431.30	3.2878+00	5.1881-01	1.6967-03	5.1881-01	1.6967-03	2.3567-03	3.8236-02	3.6332+04	4.2727-04	1.2590+00
71	448.21	2.8239+00	4.5638-01	1.5126-03	4.5638-01	1.5126-03	2.1010-03	3.4087-02	3.2391+04	3.8116-04	1.6500+00
72	459.95	2.1704+00	3.6106-01	1.2080-03	3.6106-01	1.2080-03	1.6779-03	2.7222-02	2.5867+04	3.0454-04	1.7720+00
73	473.13	3.8494-01	6.4988-02	2.1975-04	6.4988-02	2.1975-04	3.0524-04	4.9523-03	4.7058+03	5.5431-05	1.9200+00
74	488.78	2.3377-01	4.0110-02	1.3738-04	4.0110-02	1.3738-04	1.9082-04	3.0959-03	2.9418+03	3.4674-05	2.2400+00
75	480.70	2.2493-01	3.8391-02	1.3062-04	3.8391-02	1.3062-04	1.8143-04	2.9436-03	2.7971+03	3.2958-05	3.0250+00
76	477.84	2.0779-01	3.5501-02	1.2051-04	3.5501-02	1.2051-04	1.6739-04	2.7157-03	2.5805+03	3.0403-05	3.4150+00
77	453.03	2.2945+00	3.7768-01	1.2566-03	3.7768-01	1.2566-03	1.7454-03	2.8318-02	2.6908+04	3.1671-04	2.6360+00
78	464.24	2.2639+00	3.7995-01	1.2755-03	3.7995-01	1.2755-03	1.7717-03	2.8745-02	2.7314+04	3.2163-04	3.0250+00
79	476.02	2.2073+00	3.7447-01	1.2692-03	3.7447-01	1.2692-03	1.7630-03	2.8603-02	2.7179+04	3.2019-04	3.4150+00
80	455.99	2.6655+00	4.4747-01	1.4923-03	4.4747-01	1.4923-03	2.0728-03	3.3630-02	3.1956+04	3.7616-04	2.2400+00
81	458.55	2.5205+00	4.1643-01	1.3916-03	4.1643-01	1.3916-03	1.9330-03	3.1362-02	2.9801+04	3.5083-04	2.6360+00
82	469.76	2.4551+00	4.0991-01	1.3823-03	4.0991-01	1.3823-03	1.9200-03	3.1151-02	2.9600+04	3.4863-04	3.0250+00
83	480.26	2.3158+00	3.9283-01	1.3361-03	3.9283-01	1.3361-03	1.8558-03	3.0110-02	2.8611+04	3.3711-04	3.4150+00
401	537.08	7.6655+01	6.7007+00	2.3903-02	6.7007+00	2.3903-02	3.3202-02	5.3868-01	5.1187+05	6.0450-03	4.4500-01
403	507.42	4.8511+01	4.1627+00	1.4480-02	4.1627+00	1.4480-02	2.0113-02	3.2632-01	3.1008+05	3.6575-03	6.8600-01
404	502.63	4.4578+01	3.8136+00	1.3213-02	3.8136+00	1.3213-02	1.8353-02	2.9776-01	2.8294+05	3.3367-03	8.0100-01
405	478.82	2.9829+01	2.5126+00	8.5358-03	2.5126+00	8.5358-03	1.1856-02	1.9236-01	1.8279+05	2.1536-03	1.0510+00
406	591.71	-2.5964-03	-2.3442-04	-8.7759-07	-2.3442-04	-8.7759-07	-1.2190-06	-1.9777-05	-1.8793+01	-2.2245-07	1.1670+00
407	472.65	2.7327+01	2.3332+00	7.8864-03	2.3332+00	7.8864-03	1.0954-02	1.7772-01	1.6888+05	1.9892-03	1.2830+00
408	506.79	4.9543+01	4.2496+00	1.4775-02	4.2496+00	1.4775-02	2.0522-02	3.3296-01	3.1639+05	3.7318-03	5.1300-01
409	473.64	1.7594+01	1.4944+00	5.0554-03	1.4944+00	5.0554-03	7.0220-03	1.1393-01	1.0826+05	1.2752-03	5.7000-01
410	501.34	4.2046+01	3.6365+00	1.2586-02	3.6365+00	1.2586-02	1.7482-02	2.8363-01	2.6951+05	3.1782-03	6.2800-01
411	471.39	1.4769+01	1.2526+00	4.2297-03	1.2526+00	4.2297-03	5.8751-03	9.5319-02	9.0575+04	1.0668-03	6.8600-01
412	503.90	4.7206+01	4.0895+00	1.4184-02	4.0895+00	1.4184-02	1.9701-02	3.1964-01	3.0373+05	3.5821-03	7.4400-01
413	468.35	1.3382+01	1.1326+00	3.8152-03	1.1326+00	3.8152-03	5.2993-03	8.5977-02	8.1698+04	9.6216-04	8.0100-01
414	502.61	4.7021+01	4.0225+00	1.3936-02	4.0225+00	1.3936-02	1.9358-02	3.1407-01	2.9843+05	3.5195-03	8.5900-01
415	462.63	1.0132+01	8.4934-01	2.8477-03	8.4934-01	2.8477-03	3.9555-03	6.4174-02	6.0980+04	7.1800-04	9.1700-01
416	501.19	4.0583+01	3.4276+00	1.1861-02	3.4276+00	1.1861-02	1.6475-02	2.6730-01	2.5399+05	2.9952-03	5.7000-01
417	493.35	4.3490+01	3.7421+00	1.2865-02	3.7421+00	1.2865-02	1.7870-02	2.8993-01	2.7550+05	3.2478-03	1.0520+00

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8.04404+01 4.86183-03 3.43160-01 4.41299+03 5.07093-06 6.51567-08 2.88133-02 7.72000+00 6.69184-06 7.51677-02

1	537.43	6.9664+01	1.1821+01	4.2191-02	1.1821+01	4.2191-02	5.8599-02	9.5080-01	9.0359+05	1.0670-02	.0000+00
2	518.27	5.3326+01	8.0153+00	2.8142-02	8.0153+00	2.8142-02	3.9087-02	6.3421-01	6.0272+05	7.1114-03	1.1570-01
3	493.63	3.4249+01	5.4985+00	1.8912-02	5.4985+00	1.8912-02	2.6267-02	4.2618-01	4.0502+05	4.7741-03	2.5000-01
4	480.02	2.6729+01	4.2799+00	1.4556-02	4.2799+00	1.4556-02	2.0217-02	3.2803-01	3.1175+05	3.6726-03	4.8300-01
5	466.21	2.0128+01	3.1836+00	1.0707-02	3.1836+00	1.0707-02	1.4871-02	2.4128-01	2.2930+05	2.6999-03	8.7000-01
6	456.57	1.6447+01	2.6330+00	8.7864-03	2.6330+00	8.7864-03	1.2204-02	1.9801-01	1.8818+05	2.2148-03	1.2590+00
7	451.89	1.4273+01	2.2707+00	7.5490-03	2.2707+00	7.5490-03	1.0485-02	1.7012-01	1.6168+05	1.9025-03	1.6500+00
8	451.72	1.1125+01	1.8350+00	6.0998-03	1.8350+00	6.0998-03	8.4721-03	1.3746-01	1.3064+05	1.5373-03	1.7720+00
9	448.34	3.4296+00	5.7275-01	1.8988-03	5.7275-01	1.8988-03	2.6372-03	4.2790-02	4.0665+04	4.7847-04	1.9200+00
10	458.89	2.7096+00	4.5977-01	1.5372-03	4.5977-01	1.5372-03	2.1350-03	3.4641-02	3.2921+04	3.8751-04	2.2400+00
11	465.18	2.4774+00	4.2583-01	1.4309-03	4.2583-01	1.4309-03	1.9874-03	3.2246-02	3.0645+04	3.6081-04	2.6360+00
12	476.69	2.4125+00	4.1666-01	1.4132-03	4.1666-01	1.4132-03	1.9629-03	3.1849-02	3.0267+04	3.5652-04	3.0250+00
13	485.16	2.3501+00	4.0816-01	1.3940-03	4.0816-01	1.3940-03	1.9362-03	3.1416-02	2.9856+04	3.5180-04	3.4150+00
14	517.98	4.8878+01	7.3704+00	2.5872-02	7.3704+00	2.5872-02	3.5933-02	5.8303-01	5.5409+05	6.5375-03	1.1570-01
15	485.48	2.8842+01	4.6349+00	1.5834-02	4.6349+00	1.5834-02	2.1992-02	3.5684-01	3.3912+05	3.9960-03	2.5000-01
16	472.12	2.3852+01	3.7639+00	1.2719-02	3.7639+00	1.2719-02	1.7666-02	2.8663-01	2.7240+05	3.2081-03	4.8300-01
17	458.95	1.8025+01	2.8460+00	9.5153-03	2.8460+00	9.5153-03	1.3216-02	2.1443-01	2.0379+05	2.3988-03	8.7000-01
18	450.36	1.4141+01	2.2404+00	7.4394-03	2.2404+00	7.4394-03	1.0333-02	1.6765-01	1.5933+05	1.8748-03	1.2590+00
19	450.95	1.2255+01	1.9603+00	6.5122-03	1.9603+00	6.5122-03	9.0449-03	1.4676-01	1.3947+05	1.6412-03	1.6500+00
20	451.39	7.8047+00	1.2947+00	4.3025-03	1.2947+00	4.3025-03	5.9758-03	9.6960-02	9.2146+04	1.0843-03	1.7720+00
21	467.08	1.9881+01	3.1168+00	1.0490-02	3.1168+00	1.0490-02	1.4569-02	2.3639-01	2.2465+05	2.6452-03	4.8300-01
22	455.89	1.4964+01	2.3797+00	7.9367-03	2.3797+00	7.9367-03	1.1023-02	1.7886-01	1.6998+05	2.0006-03	8.7000-01
23	448.43	1.2869+01	2.0424+00	6.7713-03	2.0424+00	6.7713-03	9.4048-03	1.5260-01	1.4502+05	1.7063-03	1.2590+00
24	451.75	1.1024+01	1.7752+00	5.9010-03	1.7752+00	5.9010-03	8.1960-03	1.3298-01	1.2638+05	1.4872-03	1.6500+00
25	454.15	8.0956+00	1.3216+00	4.4019-03	1.3216+00	4.4019-03	6.1138-03	9.9199-02	9.4274+04	1.1095-03	1.7720+00
26	459.20	2.1299+00	3.5833-01	1.1983-03	3.5833-01	1.1983-03	1.6643-03	2.7005-02	2.5664+04	3.0209-04	1.9200+00
27	483.18	1.4712+00	2.5150-01	8.5759-04	2.5150-01	8.5759-04	1.1911-03	1.9326-02	1.8367+04	2.1640-04	3.0250+00
28	495.69	1.4125+00	2.4344-01	8.3871-04	2.4344-01	8.3871-04	1.1649-03	1.8901-02	1.7963+04	2.1174-04	3.4150+00
29	449.95	9.6270+00	1.5060+00	4.9990-03	1.5060+00	4.9990-03	6.9431-03	1.1266-01	1.0706+05	1.2598-03	8.7000-01
30	446.35	1.0504+01	1.6596+00	5.4931-03	1.6596+00	5.4931-03	7.6294-03	1.2379-01	1.1764+05	1.3841-03	1.2590+00
31	453.49	1.0126+01	1.6225+00	5.4012-03	1.6225+00	5.4012-03	7.5018-03	1.2172-01	1.1568+05	1.3613-03	1.6500+00
32	458.44	7.0805+00	1.1593+00	3.8745-03	1.1593+00	3.8745-03	5.3813-03	8.7314-02	8.2978+04	9.7672-04	1.7720+00
33	482.84	1.3735+00	2.3064-01	7.8622-04	2.3064-01	7.8622-04	1.0920-03	1.7718-02	1.6838+04	1.9839-04	2.2400+00
34	493.26	1.0473+00	1.7758-01	6.1058-04	1.7758-01	6.1058-04	8.4804-04	1.3760-02	1.3077+04	1.5413-04	3.0250+00
35	445.76	8.6810+00	1.2525+00	4.1439-03	1.2525+00	4.1439-03	5.7555-03	9.3385-02	8.8748+04	1.0441-03	1.1570-01
36	474.21	1.9601+01	3.0388+00	1.0286-02	3.0388+00	1.0286-02	1.4287-02	2.3181-01	2.2030+05	2.5947-03	1.2500+00
37	475.00	9.9740-01	1.6761-01	5.6771-04	1.6761-01	5.6771-04	7.8850-04	1.2794-02	1.2158+04	1.4321-04	1.9200+00
38	490.75	7.3351-01	1.2565-01	4.3112-04	1.2565-01	4.3112-04	5.9880-04	9.7157-03	9.2333+03	1.0882-04	2.2400+00
39	491.92	7.1896-01	1.2506-01	4.2951-04	1.2506-01	4.2951-04	5.9656-04	9.6794-03	9.1988+03	1.0842-04	3.0250+00
40	489.30	7.5896-01	1.3065-01	4.4774-04	1.3065-01	4.4774-04	6.2188-04	1.0090-02	9.5892+03	1.1301-04	3.4150+00
41	457.05	1.5082+01	2.3782+00	7.9392-03	2.3782+00	7.9392-03	1.1027-02	1.7891-01	1.7003+05	2.0013-03	8.7000-01
42	460.19	1.7386+01	2.7986+00	9.3664-03	2.7986+00	9.3664-03	1.3009-02	2.1108-01	2.0060+05	2.3613-03	1.2590+00
43	464.79	7.6130+00	1.2330+00	4.1420-03	1.2330+00	4.1420-03	5.7529-03	9.3344-02	8.8709+04	1.0444-03	1.6500+00
44	472.15	4.6078+00	7.5685-01	2.5576-03	7.5685-01	2.5576-03	3.5523-03	5.7638-02	5.4776+04	6.4510-04	1.7720+00
45	496.45	1.3371+00	2.2720-01	7.8325-04	2.2720-01	7.8325-04	1.0879-03	1.7651-02	1.6775+04	1.9775-04	2.2400+00
46	489.76	4.9507-01	8.4998-02	2.9140-04	8.4998-02	2.9140-04	4.0474-04	6.5670-03	6.2409+03	7.3552-05	3.0250+00
47	451.18	1.3829+01	2.1448+00	7.1266-03	2.1448+00	7.1266-03	9.8982-03	1.6060-01	1.5263+05	1.7960-03	8.7000-01
48	472.22	3.2880+01	5.3193+00	1.7976-02	5.3193+00	1.7976-02	2.4968-02	4.0511-01	3.8500+05	4.5341-03	1.2590+00
49	479.90	2.2260+01	3.6862+00	1.2536-02	3.6862+00	1.2536-02	1.7411-02	2.8250-01	2.6848+05	3.1629-03	1.6500+00
50	477.75	9.3953+00	1.5536+00	5.2742-03	1.5536+00	5.2742-03	7.3254-03	1.1886-01	1.1296+05	1.3306-03	1.7720+00
51	486.23	8.7689-01	1.4889-01	5.0896-04	1.4889-01	5.0896-04	7.0691-04	1.1470-02	1.0900+04	1.2845-04	1.9200+00
52	497.53	1.4109+00	2.3990-01	8.2778-04	2.3990-01	8.2778-04	1.1497-03	1.8655-02	1.7728+04	2.0900-04	2.2400+00
53	494.44	6.4416-01	1.0931-01	3.7621-04	1.0931-01	3.7621-04	5.2252-04	8.4781-03	8.0572+03	9.4974-05	2.6360+00
54	489.47	8.1351-01	1.3760-01	4.7164-04	1.3760-01	4.7164-04	6.5507-04	1.0629-02	1.0101+04	1.1904-04	3.0250+00
55	484.13	5.5844-01	9.4968-02	3.2408-04	9.4968-02	3.2408-04	4.5012-04	7.3034-03	6.9408+03	8.1781-05	3.4150+00
56	482.97	2.4752+01	3.6618+00	1.2484-02	3.6618+00	1.2484-02	1.7339-02	2.8134-01	2.6737+05	3.1502-03	1.1570-01
57	462.17	1.2198+01	1.9180+00	6.4295-03	1.9180+00	6.4295-03	8.9300-03	1.4489-01	1.3770+05	1.6211-03	2.5000-01
58	448.81	8.2810+00	1.2984+00	4.3062-03	1.2984+00	4.3062-03	5.9809-03	9.7043-02	9.2225+04	1.0851-03	4.8300-01
59	449.48	1.2795+01	2.0071+00	6.6600-03	2.0071+00	6.6600-03	9.2502-03	1.5009-01	1.4264+05	1.6783-03	8.7000-01
60	474.96	1.6270+00	2.6127-01	8.8493-04	2.6127-01	8.8493-04	1.2291-03	1.9942-02	1.8952+04	2.2323-04	1.2590+00
61	462.62	8.4187+00	1.3449+00	4.5100-03	1.3449+00	4.5100-03	6.2640-03	1.0164-01	9.6589+04	1.1371-03	1.6500+00
62	472.25	5.7340+00	9.5897-01	3.2409-03	9.5897-01	3.2409-03	4.5013-03	7.3036-02	6.9409+04	8.1744-04	1.7720+00
63	494.10	2.9351-01	5.0682-02	1.7438-04	5.0682-02	1.7438-04	2.4220-04	3.9298-03	3.7347+03	4.4022-05	2.2400+00
64	485.85	2.8987-01	4.9931-02	1.7063-04	4.9931-02	1.7063-04	2.3699-04	3.8453-03	3.6544+03	4.3062-05	3.0250+00
65	480.00	2.2174+01	3.2740+00	1.1135-02	3.2740+00	1.1135-02	1.5465-02	2.5093-01	2.3847+05	2.8094-03	1.1570-01
66	459.80	1.0343+01	1.5780+00	5.2796-03	1.5780+00	5.2796-03	7.3329-03	1.1898-01	1.1307+05	1.3310-03	2.5000-01
67	444.96	6.4078+00	1.0021+00	3.3131-03	1.0021+00	3.3131-03	4.6016-03	7.4663-02	7.0956+04	8.3476-04	4.8300-01
68	433.98	4.0899+00	6.3472-01	2.0804-03	6.3472-01	2.0804-03	2.8896-03	4.6884-02	4.4556+04	5.2396-04	8.7000-01
69	432.14	3.3657+00	5.3142-01	1.7393-03	5.3142-01	1.7393-03	2.4158-03	3.9197-02	3.7250+04	4.3801-04	1.2590+00
70	448.89	2.8010+00	4.5290-01	1.5021-03	4.5290-01	1.5021-03	2.0863-03	3.3851-02	3.2170+04	3.7853-04	1.6500+00
71	460.49	2.1091+00	3.5099-01	1.1750-03	3.5099-01	1.1750-03	1.6319-03	2.6479-02	2.5164+04	2.9623-04	1.7720+00
72	473.22	4.3533-01	7.3500-02	2.4860-04	7.3500-02	2.4860-04	3.4528-04	5.6023-03	5.3241+03	6.2705-05	1.9200+00
73	488.85	2.6130-01	4.4836-02	1.5360-04	4.4836-02	1.5360-04	2.1334-04	3.4615-03	3.2896+03	3.8768-05	2.2400+00
74	480.76	2.7325-01	4.6638-02	1.5872-04	4.6638-02	1.5872-04	2.2044-04	3.5768-03	3.3992+03	4.0046-05	3.0250+00
75	477.87	1.9533-01	3.3372-02	1.1330-04	3.3372-02	1.1330-04	1.5737-04	2.5533-03	2.4266+03	2.8584-05	3.4150+00
76	453.60	2.3481+00	3.8664-01	1.2872-03	3.8664-01	1.2872-03	1.7878-03	2.9007-02	2.7567+04	3.2442-04	2.6360+00
77	464.81	2.2400+00	3.7608-01	1.2633-03	3.7608-01	1.2633-03	1.7547-03	2.8470-02	2.7057+04	3.1856-04	3.0250+00
78	476.58	2.1881+00	3.7134-01	1.2594-03	3.7134-01	1.2594-03	1.7492-03	2.8382-02	2.6972+04	3.1771-04	3.4150+00
79	456.65	2.6873+00	4.5133-01	1.5062-03	4.5133-01	1.5062-03	2.0920-03	3.3944-02	3.2258+04	3.7968-04	2.2400+00
80	459.18	2.5106+00	4.1498-01	1.3877-03	4.1498-01	1.3877-03	1.9274-03	3.1273-02	2.9720+04	3.4984-04	2.6360+00
81	470.37	2.3932+00	3.9975-01	1.3489-03	3.9975-01	1.3489-03	1.8735-03	3.0399-02	2.8890+04	3.4021-04	3.0250+00
82	480.85	2.3403+00	3.9713-01	1.3516-03	3.9713-01	1.3516-03	1.8772-03	3.0459-02	2.8946+04	3.4102-04	3.4150+00
83	555.83	7.3496+01	6.4979+00	2.3565-02	6.4979+00	2.3565-02	3.2729-02	5.3105-01	5.0468+05	5.9639-03	4.4500-01
401	519.17	4.5794+01	3.9588+00	1.3910-02	3.9588+00	1.3910-02	1.9320-02	3.1348-01	2.9792+05	3.5152-03	6.8600-01
403	513.44	4.2170+01	3.6325+00	1.2702-02	3.6325+00	1.2702-02	1.7642-02	2.8625-01	2.7203+05	3.2091-03	8.0100-01
404	486.31	2.9705+01	2.5146+00	8.5964-03	2.5146+00	8.5964-03	1.1940-02	1.9373-01	1.8411+05	2.1695-03	1.0510+00
405	591.71	-3.1154-03	-2.8128-04	-1.0532-06	-2.8128-04	-1.0532-06	-1.4628-06	-2.3735-05	-2.2556+01	-2.6695-07	1.1670+00
406	479.35	2.6306+01	2.2560+00	7.6685-03	2.2560+00	7.6685-03	1.0651-02	1.7282-01	1.6424+05	1.9348-03	1.2830+00
407	519.28	4.9971+01	4.3202+00	1.5182-02	4.3202+00	1.5182-02	2.1086-02	3.4213-01	3.2514+05	3.8365-03	5.1300-01
408	478.08	1.7970+01	1.5309+00	5.1985-03	1.5309+00	5.1985-03	7.2202-03	1.1715-01	1.1133+05	1.3115-03	5.7000-01
409	511.74	4.1182+01	3.5855+00	1.2520-02	3.5855+00	1.2520-02	1.7389-02	2.8214-01	2.6813+05	3.1628-03	6.2800-01
410	475.07	1.4877+01	1.2649+00	4.2846-03	1.2649+00	4.2846-03	5.9509-03	9.6555-02	9.1761+04	1.0808-03	6.8600-01
411	515.44	4.5194+01	3.9439+00	1.3814-02	3.9439+00	1.3814-02	1.9187-02	3.1132-01	2.9586+05	3.4904-03	7.4400-01
412	471.70	1.3565+01	1.1507+00	3.8872-03	1.1507+00	3.8872-03	5.3990-03	8.7602-02	8.3252+04	9.8045-04	8.0100-01
413	513.98	4.4312+01	3.8183+00	1.3358-02	3.8183+00	1.3358-02	1.8553-02	3.0102-01	2.8608+05	3.3748-03	8.5900-01
414	465.18	1.0438+01	8.7644-01	2.9451-03	8.7644-01	2.9451-03	4.0905-03	6.6369-02	6.3074+04	7.4262-04	9.1700-01
415	511.41	4.0990+01	3.4845+00	1.2164-02	3.4845+00	1.2164-02	1.6894-02	2.7412-01	2.6051+05	3.0728-03	5.7000-01
416	503.91	4.1271+01	3.5753+00	1.2403-02	3.5753+00	1.2403-02	1.7226-02	2.7950-01	2.6562+05	3.1322-03	1.0520+00

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CONFIDENTIAL

175 4 -3.13 -15.13 .00 -.00 404 2 2.65 10.04 219.5 1645.4

8.04404+01 4.86183-03 3.43160-01 4.41299+03 5.07093-06 6.51567-08 2.88133-02 7.72000+00 6.69184-06 7.51677-02

1	554.54	6.7351+01	1.1548+01	4.1817-02	1.1548+01	4.1817-02	5.8080-02	9.4238-01	8.9558+05	1.0586-02	.0000+00
2	531.47	5.2266+01	7.9207+00	2.8115-02	7.9207+00	2.8115-02	3.9049-02	6.3359-01	6.0213+05	7.1107-03	1.1570-01
3	502.22	3.3902+01	5.4731+00	1.8952-02	5.4731+00	1.8952-02	2.6323-02	4.2711-01	4.0590+05	4.7877-03	2.5000-01
4	486.67	2.6516+01	4.2644+00	1.4578-02	4.2644+00	1.4578-02	2.0247-02	3.2852-01	3.1221+05	3.6803-03	4.8300-01
5	471.22	2.0014+01	3.1761+00	1.0721-02	3.1761+00	1.0721-02	1.4891-02	2.4161-01	2.2961+05	2.7050-03	8.7000-01
6	460.75	1.6610+01	2.6666+00	8.9257-03	2.6666+00	8.9257-03	1.2397-02	2.0115-01	1.9116+05	2.2510-03	1.2590+00
7	455.42	1.4343+01	2.2872+00	7.6232-03	2.2872+00	7.6232-03	1.0588-02	1.7179-01	1.6326+05	1.9221-03	1.6500+00
8	454.43	1.1090+01	1.8326+00	6.1029-03	1.8326+00	6.1029-03	8.4765-03	1.3753-01	1.3071+05	1.5387-03	1.7720+00
9	449.19	3.3797+00	5.6475-01	1.8729-03	5.6475-01	1.8729-03	2.6013-03	4.2207-02	4.0112+04	4.7212-04	1.9200+00
10	459.56	2.7216+00	4.6201-01	1.5450-03	4.6201-01	1.5450-03	2.1458-03	3.4817-02	3.3088+04	3.8961-04	2.2400+00
11	465.82	2.5439+00	4.3745-01	1.4702-03	4.3745-01	1.4702-03	2.0420-03	3.3132-02	3.1487+04	3.7086-04	2.6360+00
12	477.30	2.4307+00	4.1997-01	1.4247-03	4.1997-01	1.4247-03	1.9788-03	3.2107-02	3.0513+04	3.5954-04	3.0250+00
13	485.73	2.4088+00	4.1852-01	1.4296-03	4.1852-01	1.4296-03	1.9856-03	3.2218-02	3.0618+04	3.6090-04	3.4150+00
14	530.15	4.8170+01	7.3188+00	2.5949-02	7.3188+00	2.5949-02	3.6041-02	5.8478-01	5.5574+05	6.5626-03	1.1570-01
15	492.66	2.8638+01	4.6236+00	1.5884-02	4.6236+00	1.5884-02	2.2062-02	3.5797-01	3.4019+05	4.0111-03	2.5000-01
16	478.05	2.3645+01	3.7458+00	1.2715-02	3.7458+00	1.2715-02	1.7660-02	2.8654-01	2.7231+05	3.2089-03	4.8300-01
17	463.52	1.8106+01	2.8675+00	9.6196-03	2.8675+00	9.6196-03	1.3361-02	2.1678-01	2.0602+05	2.4263-03	8.7000-01
18	453.85	1.4194+01	2.2541+00	7.5033-03	2.2541+00	7.5033-03	1.0421-02	1.6909-01	1.6070+05	1.8918-03	1.2590+00
19	453.96	1.2228+01	1.9601+00	6.5250-03	1.9601+00	6.5250-03	9.0627-03	1.4705-01	1.3974+05	1.6451-03	1.6500+00
20	453.29	7.8239+00	1.2995+00	4.3239-03	1.2995+00	4.3239-03	6.0055-03	9.7442-02	9.2604+04	1.0901-03	1.7720+00
21	472.01	1.9639+01	3.0891+00	1.0434-02	3.0891+00	1.0434-02	1.4493-02	2.3515-01	2.2347+05	2.6327-03	4.8300-01
22	459.69	1.5193+01	2.4224+00	8.1014-03	2.4224+00	8.1014-03	1.1252-02	1.8257-01	1.7351+05	2.0431-03	8.7000-01
23	451.62	1.2678+01	2.0166+00	6.7007-03	2.0166+00	6.7007-03	9.3067-03	1.5101-01	1.4351+05	1.6893-03	1.2590+00
24	454.45	1.1023+01	1.7784+00	5.9225-03	1.7784+00	5.9225-03	8.2259-03	1.3347-01	1.2684+05	1.4933-03	1.6500+00
25	456.24	8.2909+00	1.3554+00	4.5205-03	1.3554+00	4.5205-03	6.2787-03	1.0187-01	9.6815+04	1.1399-03	1.7720+00
26	459.70	2.0971+00	3.5295-01	1.1804-03	3.5295-01	1.1804-03	1.6395-03	2.6601-02	2.5280+04	2.9768-04	1.9200+00
27	483.56	1.5112+00	2.5840-01	8.8111-04	2.5840-01	8.8111-04	1.2238-03	1.9856-02	1.8870+04	2.2241-04	3.0250+00
28	496.06	1.5538+00	2.6786-01	9.2282-04	2.6786-01	9.2282-04	1.2817-03	2.0796-02	1.9764+04	2.3306-04	3.4150+00
29	452.37	9.9657+00	1.5615+00	5.1918-03	1.5615+00	5.1918-03	7.2110-03	1.1700-01	1.1119+05	1.3089-03	8.7000-01
30	448.97	1.0133+01	1.6039+00	5.3183-03	1.6039+00	5.3183-03	7.3867-03	1.1985-01	1.1390+05	1.3406-03	1.2590+00
31	456.03	1.0285+01	1.6510+00	5.5052-03	1.6510+00	5.5052-03	7.6463-03	1.2406-01	1.1790+05	1.3881-03	1.6500+00
32	460.22	7.0156+00	1.1500+00	3.8478-03	1.1500+00	3.8478-03	5.3443-03	8.6713-02	8.2408+04	9.7038-04	1.7720+00
33	483.19	1.2836+00	2.1559-01	7.3491-04	2.1559-01	7.3491-04	1.0207-03	1.6562-02	1.5739+04	1.8551-04	2.2400+00
34	493.51	1.0707+00	1.8157-01	6.2424-04	1.8157-01	6.2424-04	8.6701-04	1.4068-02	1.3369+04	1.5763-04	3.0250+00
35	448.01	8.9522+00	1.2937+00	4.2862-03	1.2937+00	4.2862-03	5.9532-03	9.6593-02	9.1797+04	1.0804-03	1.1570-01
36	479.11	1.9590+01	3.0471+00	1.0352-02	3.0471+00	1.0352-02	1.4378-02	2.3329-01	2.2171+05	2.6127-03	1.2500+00
37	475.23	9.8182-01	1.6501-01	5.5885-04	1.6501-01	5.5885-04	7.7619-04	1.2594-02	1.1969+04	1.4102-04	1.9200+00
38	490.94	7.3818-01	1.2646-01	4.3385-04	1.2646-01	4.3385-04	6.0258-04	9.7771-03	9.2917+03	1.0955-04	2.2400+00
39	492.09	6.6649-01	1.1594-01	3.9814-04	1.1594-01	3.9814-04	5.5298-04	8.9723-03	8.5268+03	1.0053-04	3.0250+00
40	489.50	8.4156-01	1.4489-01	4.9645-04	1.4489-01	4.9645-04	6.8953-04	1.1188-02	1.0632+04	1.2535-04	3.4150+00
41	460.91	1.5343+01	2.4256+00	8.1201-03	2.4256+00	8.1201-03	1.1278-02	1.8299-01	1.7390+05	2.0478-03	8.7000-01
42	464.46	1.6683+01	2.6931+00	9.0415-03	2.6931+00	9.0415-03	1.2558-02	2.0376-01	1.9364+05	2.2806-03	1.2590+00
43	466.72	7.8192+00	1.2681+00	4.2650-03	1.2681+00	4.2650-03	5.9238-03	9.6115-02	9.1343+04	1.0759-03	1.6500+00
44	473.35	4.7948+00	7.8819-01	2.6653-03	7.8819-01	2.6653-03	3.7018-03	6.0063-02	5.7081+04	6.7250-04	1.7720+00
45	496.78	1.3070+00	2.2213-01	7.6573-04	2.2213-01	7.6573-04	1.0635-03	1.7256-02	1.6399+04	1.9339-04	2.2400+00
46	489.87	5.1221-01	8.7948-02	3.0145-04	8.7948-02	3.0145-04	4.1868-04	6.7933-03	6.4560+03	7.6112-05	3.0250+00
47	454.62	1.4177+01	2.2039+00	7.3408-03	2.2039+00	7.3408-03	1.0196-02	1.6543-01	1.5721+05	1.8508-03	8.7000-01
48	480.32	3.1781+01	5.1692+00	1.7579-02	5.1692+00	1.7579-02	2.4416-02	3.9616-01	3.7649+05	4.4369-03	1.2590+00
49	485.39	2.1843+01	3.6302+00	1.2397-02	3.6302+00	1.2397-02	1.7218-02	2.7938-01	2.6550+05	3.1295-03	1.6500+00
50	480.11	9.3943+00	1.5559+00	5.2903-03	1.5559+00	5.2903-03	7.3477-03	1.1922-01	1.1330+05	1.3352-03	1.7720+00
51	486.45	1.0120+00	1.7185-01	5.8737-04	1.7185-01	5.8737-04	8.1580-04	1.3237-02	1.2579+04	1.4828-04	1.9200+00
52	497.88	1.3480+00	2.2926-01	7.9105-04	2.2926-01	7.9105-04	1.0987-03	1.7827-02	1.6942+04	1.9979-04	2.2400+00
53	494.61	6.5714-01	1.1153-01	3.8376-04	1.1153-01	3.8376-04	5.3301-04	8.6483-03	8.2189+03	9.6913-05	2.6360+00
54	489.66	8.2026-01	1.3876-01	4.7554-04	1.3876-01	4.7554-04	6.6048-04	1.0717-02	1.0184+04	1.2007-04	3.0250+00
55	484.26	5.3455-01	9.0913-02	3.1017-04	9.0913-02	3.1017-04	4.3081-04	6.9900-03	6.6429+03	7.8298-05	3.4150+00
56	489.19	2.5147+01	3.7354+00	1.2796-02	3.7354+00	1.2796-02	1.7773-02	2.8837-01	2.7405+05	3.2308-03	1.1570-01
57	465.22	1.2168+01	1.9173+00	6.4408-03	1.9173+00	6.4408-03	8.9457-03	1.4515-01	1.3794+05	1.6246-03	2.5000-01
58	450.84	8.0857+00	1.2696+00	4.2160-03	1.2696+00	4.2160-03	5.8556-03	9.5010-02	9.0292+04	1.0628-03	4.8300-01
59	452.60	1.2543+01	1.9718+00	6.5570-03	1.9718+00	6.5570-03	9.1071-03	1.4777-01	1.4043+05	1.6531-03	8.7000-01
60	475.35	1.6094+00	2.5850-01	8.7554-04	2.5850-01	8.7554-04	1.2161-03	1.9731-02	1.8751+04	2.2093-04	1.2590+00
61	464.72	8.4042+00	1.3445+00	4.5148-03	1.3445+00	4.5148-03	6.2707-03	1.0174-01	9.6692+04	1.1388-03	1.6500+00
62	473.67	5.6026+00	9.3787-01	3.1722-03	9.3787-01	3.1722-03	4.4059-03	7.1488-02	6.7939+04	8.0043-04	1.7720+00
63	494.16	3.0234-01	5.2209-02	1.7959-04	5.2209-02	1.7959-04	2.4943-04	4.0471-03	3.8462+03	4.5351-05	2.2400+00
64	485.92	3.4338-01	5.9151-02	2.0209-04	5.9151-02	2.0209-04	2.8068-04	4.5542-03	4.3280+03	5.1016-05	3.0250+00
65	485.56	2.2525+01	3.3380+00	1.1401-02	3.3380+00	1.1401-02	1.5835-02	2.5693-01	2.4417+05	2.8781-03	1.1570-01
66	462.37	1.0350+01	1.5818+00	5.3015-03	1.5818+00	5.3015-03	7.3633-03	1.1947-01	1.1354+05	1.3371-03	2.5000-01
67	446.56	6.4026+00	1.0024+00	3.3172-03	1.0024+00	3.3172-03	4.6074-03	7.4756-02	7.1045+04	8.3612-04	4.8300-01
68	435.02	4.1564+00	6.4551-01	2.1169-03	6.4551-01	2.1169-03	2.9402-03	4.7705-02	4.5336+04	5.3332-04	8.7000-01
69	432.98	3.3330+00	5.2656-01	1.7240-03	5.2656-01	1.7240-03	2.3945-03	3.8852-02	3.6923+04	4.3431-04	1.2590+00
70	449.62	2.8623+00	4.6304-01	1.5362-03	4.6304-01	1.5362-03	2.1336-03	3.4618-02	3.2899+04	3.8724-04	1.6500+00
71	460.99	2.0166+00	3.3572-01	1.1239-03	3.3572-01	1.1239-03	1.5611-03	2.5329-02	2.4071+04	2.8345-04	1.7720+00
72	473.34	4.3584-01	7.3594-02	2.4886-04	7.3594-02	2.4886-04	3.4564-04	5.6081-03	5.3297+03	6.2791-05	1.9200+00
73	488.92	2.3636-01	4.0559-02	1.3891-04	4.0559-02	1.3891-04	1.9293-04	3.1304-03	2.9750+03	3.5072-05	2.2400+00
74	480.84	2.1766-01	3.7152-02	1.2640-04	3.7152-02	1.2640-04	1.7556-04	2.8485-03	2.7071+03	3.1903-05	3.0250+00
75	477.91	1.9689-01	3.3640-02	1.1418-04	3.3640-02	1.1418-04	1.5858-04	2.5731-03	2.4453+03	2.8815-05	3.4150+00
76	454.21	2.4005+00	3.9544-01	1.3167-03	3.9544-01	1.3167-03	1.8288-03	2.9673-02	2.8199+04	3.3198-04	2.6360+00
77	465.35	2.1969+00	3.6897-01	1.2396-03	3.6897-01	1.2396-03	1.7217-03	2.7936-02	2.6549+04	3.1268-04	3.0250+00
78	477.12	2.2270+00	3.7809-01	1.2824-03	3.7809-01	1.2824-03	1.7812-03	2.8901-02	2.7466+04	3.2363-04	3.4150+00
79	457.31	2.6997+00	4.5363-01	1.5142-03	4.5363-01	1.5142-03	2.1031-03	3.4124-02	3.2429+04	3.8182-04	2.2400+00
80	459.79	2.4935+00	4.1232-01	1.3790-03	4.1232-01	1.3790-03	1.9154-03	3.1078-02	2.9535+04	3.4777-04	2.6360+00
81	470.96	2.4026+00	4.0147-01	1.3549-03	4.0147-01	1.3549-03	1.8819-03	3.0534-02	2.9018+04	3.4185-04	3.0250+00
82	481.45	2.3584+00	4.0037-01	1.3628-03	4.0037-01	1.3628-03	1.8928-03	3.0712-02	2.9187+04	3.4398-04	3.4150+00
83	573.80	7.0230+01	6.2755+00	2.3114-02	6.2755+00	2.3114-02	3.2104-02	5.2089-01	4.9503+05	5.8563-03	4.4500-01
401	530.29	4.3354+01	3.7739+00	1.3382-02	3.7739+00	1.3382-02	1.8587-02	3.0158-01	2.8660+05	3.3844-03	6.8600-01
403	523.67	4.0099+01	3.4763+00	1.2257-02	3.4763+00	1.2257-02	1.7024-02	2.7623-01	2.6251+05	3.0991-03	8.0100-01
404	493.72	2.9381+01	2.4992+00	8.5934-03	2.4992+00	8.5934-03	1.1935-02	1.9366-01	1.8404+05	2.1701-03	1.0510+00
405	591.71	-3.1142-03	-2.8117-04	-1.0524-06	-2.8117-04	-1.0524-06	-1.4617-06	-2.3717-05	-2.2539+01	-2.6685-07	1.1670+00
406	485.80	2.5380+01	2.1858+00	7.4669-03	2.1858+00	7.4669-03	1.0371-02	1.6827-01	1.5992+05	1.8850-03	1.2830+00
407	531.84	5.0134+01	4.3683+00	1.5510-02	4.3683+00	1.5510-02	2.1543-02	3.4954-01	3.3218+05	3.9229-03	5.1300-01
408	482.61	1.8112+01	1.5476+00	5.2729-03	1.5476+00	5.2729-03	7.3236-03	1.1883-01	1.1293+05	1.3310-03	5.7000-01
409	521.94	4.0370+01	3.5374+00	1.2455-02	3.5374+00	1.2455-02	1.7298-02	2.8067-01	2.6674+05	3.1487-03	6.2800-01
410	478.79	1.5084+01	1.2856+00	4.3665-03	1.2856+00	4.3665-03	6.0647-03	9.8403-02	9.3517+04	1.1020-03	6.8600-01
411	526.49	4.3318+01	3.8065+00	1.3454-02	3.8065+00	1.3454-02	1.8686-02	3.0319-01	2.8814+05	3.4020-03	7.4400-01
412	475.11	1.3847+01	1.1773+00	3.9869-03	1.1773+00	3.9869-03	5.5374-03	8.9847-02	8.5386+04	1.0060-03	8.0100-01
413	524.72	4.1969+01	3.6408+00	1.2849-02	3.6408+00	1.2849-02	1.7846-02	2.8956-01	2.7519+05	3.2488-03	8.5900-01
414	467.84	1.0835+01	9.1143-01	3.0683-03	9.1143-01	3.0683-03	4.2615-03	6.9145-02	6.5712+04	7.7401-04	9.1700-01
415	521.69	4.1290+01	3.5328+00	1.2436-02	3.5328+00	1.2436-02	1.7272-02	2.8025-01	2.6633+05	3.1439-03	5.7000-01
416	513.95	3.9243+01	3.4214+00	1.1965-02	3.4214+00	1.1965-02	1.6618-02	2.6964-01	2.5625+05	3.0239-03	1.0520+00

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175 4 -3.13 -15.13 .00 -.00 404 2 3.15 10.04 219.5 1645.6 [redacted]

8.04494+01 4.86175-03 3.43155-01 4.41323+03 5.07028-06 6.51640-08 2.88081-02 7.72000+00 6.69269-06 7.51665-02

1	587.09	6.2762+01	1.0969+01	4.0885-02	1.0969+01	4.0885-02	5.6789-02	9.2136-01	8.7550+05	1.0363-02	.0000+00
2	557.13	5.0327+01	7.7466+00	2.8115-02	7.7466+00	2.8115-02	3.9052-02	6.3359-01	6.0206+05	7.1173-03	1.1570-01
3	518.92	3.3142+01	5.4072+00	1.8989-02	5.4072+00	1.8989-02	2.6376-02	4.2793-01	4.0663+05	4.7995-03	2.5000-01
4	499.81	2.6058+01	4.2265+00	1.4607-02	4.2265+00	1.4607-02	2.0289-02	3.2917-01	3.1278+05	3.6889-03	4.8300-01
5	481.18	1.9823+01	3.1666+00	1.0777-02	3.1666+00	1.0777-02	1.4969-02	2.4286-01	2.3077+05	2.7196-03	8.7000-01
6	469.01	1.6485+01	2.6612+00	8.9671-03	2.6612+00	8.9671-03	1.2455-02	2.0208-01	1.9202+05	2.2619-03	1.2590+00
7	462.71	1.4521+01	2.3270+00	7.8014-03	2.3270+00	7.8014-03	1.0836-02	1.7581-01	1.6706+05	1.9673-03	1.6500+00
8	460.09	1.1168+01	1.8526+00	6.1979-03	1.8526+00	6.1979-03	8.6089-03	1.3967-01	1.3272+05	1.5628-03	1.7720+00
9	450.89	3.2712+00	5.4724-01	1.8173-03	5.4724-01	1.8173-03	2.5243-03	4.0955-02	3.8916+04	4.5808-04	1.9200+00
10	460.93	2.7210+00	4.6235-01	1.5478-03	4.6235-01	1.5478-03	2.1499-03	3.4881-02	3.3145+04	3.9029-04	2.2400+00
11	467.09	2.6244+00	4.5168-01	1.5196-03	4.5168-01	1.5196-03	2.1108-03	3.4246-02	3.2541+04	3.8328-04	2.6360+00
12	478.53	2.5382+00	4.3891-01	1.4904-03	4.3891-01	1.4904-03	2.0703-03	3.3588-02	3.1916+04	3.7609-04	3.0250+00
13	487.02	2.5242+00	4.3892-01	1.5009-03	4.3892-01	1.5009-03	2.0848-03	3.3824-02	3.2140+04	3.7886-04	3.4150+00
14	553.82	4.6570+01	7.1784+00	2.5978-02	7.1784+00	2.5978-02	3.6083-02	5.8543-01	5.5629+05	6.5753-03	1.1570-01
15	506.89	2.8255+01	4.6037+00	1.6004-02	4.6037+00	1.6004-02	2.2230-02	3.6067-01	3.4272+05	4.0431-03	2.5000-01
16	489.77	2.3309+01	3.7210+00	1.2753-02	3.7210+00	1.2753-02	1.7714-02	2.8740-01	2.7309+05	3.2195-03	4.8300-01
17	472.50	1.7857+01	2.8451+00	9.6142-03	2.8451+00	9.6142-03	1.3354-02	2.1666-01	2.0588+05	2.4254-03	8.7000-01
18	461.04	1.4534+01	2.3194+00	7.7654-03	2.3194+00	7.7654-03	1.0786-02	1.7500-01	1.6629+05	1.9581-03	1.2590+00
19	460.18	1.2553+01	2.0207+00	6.7606-03	2.0207+00	6.7606-03	9.3906-03	1.5236-01	1.4477+05	1.7047-03	1.6500+00
20	457.37	8.2291+00	1.3706+00	4.5754-03	1.3706+00	4.5754-03	6.3553-03	1.0311-01	9.7977+04	1.1536-03	1.7720+00
21	481.73	1.9266+01	3.0500+00	1.0384-02	3.0500+00	1.0384-02	1.4424-02	2.3402-01	2.2237+05	2.6207-03	4.8300-01
22	467.25	1.5047+01	2.4114+00	8.1139-03	2.4114+00	8.1139-03	1.1270-02	1.8285-01	1.7375+05	2.0465-03	8.7000-01
23	457.90	1.2849+01	2.0525+00	6.8543-03	2.0525+00	6.8543-03	9.5207-03	1.5447-01	1.4678+05	1.7282-03	1.2590+00
24	460.09	1.1279+01	1.8266+00	6.1107-03	1.8266+00	6.1107-03	8.4878-03	1.3771-01	1.3085+05	1.5408-03	1.6500+00
25	460.32	8.0992+00	1.3278+00	4.4428-03	1.3278+00	4.4428-03	6.1711-03	1.0012-01	9.5139+04	1.1203-03	1.7720+00
26	460.77	2.1096+00	3.5530-01	1.1893-03	3.5530-01	1.1893-03	1.6520-03	2.6802-02	2.5468+04	2.9989-04	1.9200+00
27	484.32	1.5590+00	2.6671-01	9.1000-04	2.6671-01	9.1000-04	1.2640-03	2.0507-02	1.9487+04	2.2968-04	3.0250+00
28	496.82	1.4203+00	2.4496-01	8.4447-04	2.4496-01	8.4447-04	1.1730-03	1.9031-02	1.8083+04	2.1325-04	3.4150+00
29	457.63	1.1116+01	1.7480+00	5.8363-03	1.7480+00	5.8363-03	8.1066-03	1.3152-01	1.2498+05	1.4715-03	8.7000-01
30	453.84	9.8971+00	1.5717+00	5.2319-03	1.5717+00	5.2319-03	7.2672-03	1.1790-01	1.1204+05	1.3189-03	1.2590+00
31	461.28	1.0369+01	1.6703+00	5.5933-03	1.6703+00	5.5933-03	7.7691-03	1.2605-01	1.1977+05	1.4104-03	1.6500+00
32	463.66	6.9532+00	1.1425+00	3.8331-03	1.1425+00	3.8331-03	5.3242-03	8.6381-02	8.2082+04	9.6666-04	1.7720+00
33	483.79	1.1974+00	2.0119-01	6.8615-04	2.0119-01	6.8615-04	9.5307-04	1.5463-02	1.4693+04	1.7318-04	2.2400+00
34	494.06	1.1309+00	1.9186-01	6.5990-04	1.9186-01	6.5990-04	9.1661-04	1.4871-02	1.4131+04	1.6662-04	3.0250+00
35	452.46	9.1216+00	1.3222+00	4.3962-03	1.3222+00	4.3962-03	6.1064-03	9.9072-02	9.4141+04	1.1082-03	1.1570-01
37	488.89	1.9594+01	3.0672+00	1.0505-02	3.0672+00	1.0505-02	1.4591-02	2.3673-01	2.2495+05	2.6518-03	1.2500+00
38	475.74	1.0603+00	1.7826-01	6.0395-04	1.7826-01	6.0395-04	8.3890-04	1.3610-02	1.2933+04	1.5238-04	1.9200+00
39	491.29	7.3766-01	1.2640-01	4.3377-04	1.2640-01	4.3377-04	6.0251-04	9.7753-03	9.2888+03	1.0951-04	2.2400+00
40	492.45	7.4286-01	1.2726-01	4.4399-04	1.2926-01	4.4399-04	6.1670-04	1.0006-02	9.5075+03	1.1210-04	3.0250+00
41	489.96	8.9714-01	1.5450-01	5.2960-04	1.5450-01	5.2960-04	7.3562-04	1.1935-02	1.1341+04	1.3370-04	3.4150+00
42	468.54	1.5147+01	2.4070+00	8.1074-03	2.4070+00	8.1074-03	1.1261-02	1.8271-01	1.7361+05	2.0450-03	8.7000-01
43	472.45	1.5472+01	2.5111+00	8.4852-03	2.5111+00	8.4852-03	1.1786-02	1.9122-01	1.8170+05	2.1406-03	1.2590+00
44	470.79	8.3652+00	1.3603+00	4.5904-03	1.3603+00	4.5904-03	6.3761-03	1.0345-01	9.8298+04	1.1580-03	1.6500+00
45	475.86	5.3262+00	8.7701-01	2.9717-03	8.7701-01	2.9717-03	4.1277-03	6.6968-02	6.3635+04	7.4978-04	1.7720+00
46	497.43	1.2701+00	2.1595-01	7.4483-04	2.1595-01	7.4483-04	1.0346-03	1.6785-02	1.5950+04	1.8809-04	2.2400+00
47	490.16	5.5792-01	9.5814-02	3.2849-04	9.5814-02	3.2849-04	4.5627-04	7.4027-03	7.0342+03	8.2928-05	3.0250+00
48	462.02	1.5091+01	2.3578+00	7.9002-03	2.3578+00	7.9002-03	1.0973-02	1.7804-01	1.6917+05	1.9922-03	8.7000-01
49	495.64	2.9659+01	4.8724+00	1.6780-02	4.8724+00	1.6780-02	2.3308-02	3.7816-01	3.5933+05	4.2372-03	1.2590+00
50	496.09	2.0921+01	3.5011+00	1.2062-02	3.5011+00	1.2062-02	1.6755-02	2.7183-01	2.5830+05	3.0459-03	1.6500+00
51	484.82	9.5366+00	1.5843+00	5.4079-03	1.5843+00	5.4079-03	7.5116-03	1.2187-01	1.1580+05	1.3650-03	1.7720+00
52	487.01	1.0862+00	1.8453-01	6.3100-04	1.8453-01	6.3100-04	8.7647-04	1.4220-02	1.3512+04	1.5928-04	1.9200+00
53	498.50	1.2083+00	2.0558-01	7.0970-04	2.0558-01	7.0970-04	9.8578-04	1.5993-02	1.5197+04	1.7923-04	2.2400+00
54	494.75	5.2416-01	8.8964-02	3.0617-04	8.8964-02	3.0617-04	4.2527-04	6.8996-03	6.5562+03	7.7307-05	2.6360+00
55	490.08	8.5974-01	1.4548-01	4.9873-04	1.4548-01	4.9873-04	6.9274-04	1.1239-02	1.0680+04	1.2591-04	3.0250+00 [redacted]
56	484.54	5.2208-01	8.8808-02	3.0306-04	8.8808-02	3.0306-04	4.2096-04	6.8298-03	6.4898+03	7.6492-05	3.4150+00
57	501.93	2.5692+01	3.8479+00	1.3321-02	3.8479+00	1.3321-02	1.8504-02	3.0021-01	2.8526+05	3.3646-03	1.1570-01
58	471.31	1.2254+01	1.9387+00	6.5448-03	1.9387+00	6.5448-03	9.0909-03	1.4749-01	1.4015+05	1.6510-03	2.5000-01
59	454.83	8.2327+00	1.2962+00	4.3181-03	1.2962+00	4.3181-03	5.9979-03	9.7311-02	9.2468+04	1.0886-03	4.8300-01
60	458.88	1.2679+01	2.0018+00	6.6904-03	2.0018+00	6.6904-03	9.2931-03	1.5077-01	1.4327+05	1.6869-03	8.7000-01
61	476.15	1.6561+00	2.6615-01	9.0205-04	2.6615-01	9.0205-04	1.2530-03	2.0328-02	1.9316+04	2.2760-04	1.2590+00
62	468.89	8.2504+00	1.3236+00	4.4596-03	1.3236+00	4.4596-03	6.1944-03	1.0050-01	9.5498+04	1.1249-03	1.6500+00
63	476.42	5.3917+00	9.0421-01	3.0653-03	9.0421-01	3.0653-03	4.2577-03	6.9077-02	6.5639+04	7.7341-04	1.7720+00
64	494.31	3.4182-01	5.9032-02	2.0308-04	5.9032-02	2.0308-04	2.8208-04	4.5766-03	4.3488+03	5.1278-05	2.2400+00
65	486.11	3.8545-01	6.6407-02	2.2691-04	6.6407-02	2.2691-04	3.1518-04	5.1136-03	4.8591+03	5.7276-05	3.0250+00
66	497.06	2.3308+01	3.4798+00	1.1999-02	3.4798+00	1.1999-02	1.6666-02	2.7040-01	2.5694+05	3.0299-03	1.1570-01
67	467.56	1.0474+01	1.6063+00	5.4062-03	1.6063+00	5.4062-03	7.5092-03	1.2183-01	1.1577+05	1.3636-03	2.5000-01
68	449.79	6.2977+00	9.8812-01	3.2786-03	9.8812-01	3.2786-03	4.5540-03	7.3885-02	7.0207+04	8.2636-04	4.8300-01
69	437.11	4.1413+00	6.4411-01	2.1158-03	6.4411-01	2.1158-03	2.9388-03	4.7680-02	4.5307+04	5.3301-04	8.7000-01
70	434.66	3.3797+00	5.3458-01	1.7526-03	5.3458-01	1.7526-03	2.4344-03	3.9496-02	3.7530+04	4.4147-04	1.2590+00
71	451.06	2.6649+00	4.3154-01	1.4333-03	4.3154-01	1.4333-03	1.9908-03	3.2300-02	3.0692+04	3.6127-04	1.6500+00
72	461.97	2.0197+00	3.3646-01	1.1273-03	3.3646-01	1.1273-03	1.5659-03	2.5405-02	2.4140+04	2.8428-04	1.7720+00
73	473.57	4.5143-01	7.6237-02	2.5784-04	7.6237-02	2.5784-04	3.5815-04	5.8106-03	5.5214+03	6.5050-05	1.9200+00
74	489.06	2.4883-01	4.2702-02	1.4627-04	4.2702-02	1.4627-04	2.0317-04	3.2962-03	3.1322+03	3.6924-05	2.2400+00
75	480.90	9.6104-02	1.6405-02	5.5815-05	1.6405-02	5.5815-05	7.7528-05	1.2578-03	1.1952+03	1.4086-05	3.0250+00
76	478.01	1.6623-01	2.8404-02	9.6415-05	2.8404-02	9.6415-05	1.3392-04	2.1728-03	2.0646+03	2.4328-05	3.4150+00
77	455.40	2.3652+00	3.8994-01	1.2996-03	3.8994-01	1.2996-03	1.8052-03	2.9288-02	2.7830+04	3.2764-04	2.6360+00
78	466.44	2.2182+00	3.7282-01	1.2537-03	3.7282-01	1.2537-03	1.7414-03	2.8252-02	2.6846+04	3.1619-04	3.0250+00
79	478.24	2.2275+00	3.7846-01	1.2849-03	3.7846-01	1.2849-03	1.7847-03	2.8955-02	2.7514+04	3.2421-04	3.4150+00
80	458.68	2.6686+00	4.4881-01	1.4998-03	4.4881-01	1.4998-03	2.0832-03	3.3798-02	3.2116+04	3.7815-04	2.2400+00
81	461.07	2.5039+00	4.1439-01	1.3874-03	4.1439-01	1.3874-03	1.9271-03	3.1266-02	2.9710+04	3.4985-04	2.6360+00
82	472.20	2.4732+00	4.1361-01	1.3973-03	4.1361-01	1.3973-03	1.9409-03	3.1490-02	2.9922+04	3.5251-04	3.0250+00
83	482.63	2.4182+00	4.1083-01	1.3998-03	4.1083-01	1.3998-03	1.9443-03	3.1545-02	2.9975+04	3.5327-04	3.4150+00
401	607.37	6.4305+01	5.8576+00	2.2241-02	5.8576+00	2.2241-02	3.0892-02	5.0121-01	4.7626+05	5.6422-03	4.4500-01
403	550.85	3.9380+01	3.4713+00	1.2530-02	3.4713+00	1.2530-02	1.7404-02	2.8236-01	2.6831+05	3.1710-03	6.8600-01
404	542.84	3.6929+01	3.2395+00	1.1612-02	3.2395+00	1.1612-02	1.6129-02	2.6168-01	2.4865+05	2.9377-03	8.0100-01
405	508.28	2.8645+01	2.4594+00	8.5599-03	2.4594+00	8.5599-03	1.1890-02	1.9290-01	1.8330+05	2.1625-03	1.0510+00
406	591.71	-3.1169-03	-2.8141-04	-1.0533-06	-2.8141-04	-1.0533-06	-1.4631-06	-2.3737-05	-2.2556+01	-2.6704-07	1.1670+00
407	498.07	2.3825+01	2.0683+00	7.1375-03	2.0683+00	7.1375-03	9.9141-03	1.6085-01	1.5284+05	1.8025-03	1.2830+00
408	556.87	4.9802+01	4.4058+00	1.5987-02	4.4058+00	1.5987-02	2.2206-02	3.6027-01	3.4234+05	4.0469-03	5.1300-01
409	491.77	1.8675+01	1.6052+00	5.5107-03	1.6052+00	5.5107-03	7.6544-03	1.2419-01	1.1801+05	1.3913-03	5.7000-01
410	541.70	3.8785+01	3.4402+00	1.2319-02	3.4402+00	1.2319-02	1.7111-02	2.7762-01	2.6380+05	3.1165-03	6.2800-01
411	486.54	1.5857+01	1.3584+00	4.6432-03	1.3584+00	4.6432-03	6.4495-03	1.0464-01	9.9430+04	1.1720-03	6.8600-01
412	547.24	4.0076+01	3.5666+00	1.2833-02	3.5666+00	1.2833-02	1.7826-02	2.8921-01	2.7482+05	3.2474-03	7.4400-01
413	482.19	1.4542+01	1.2422+00	4.2310-03	1.2422+00	4.2310-03	5.8769-03	9.5348-02	9.0602+04	1.0678-03	8.0100-01
414	544.70	3.8349+01	3.3678+00	1.2091-02	3.3678+00	1.2091-02	1.6795-02	2.7248-01	2.5892+05	3.0593-03	8.5900-01
415	473.51	1.1925+01	1.0069+00	3.4053-03	1.0069+00	3.4053-03	4.7300-03	7.6741-02	7.2921+04	8.5911-04	9.1700-01
416	542.48	4.1547+01	3.6006+00	1.2902-02	3.6006+00	1.2902-02	1.7922-02	2.9076-01	2.7629+05	3.2642-03	5.7000-01
417	532.61	3.5688+01	3.1479+00	1.1185-02	3.1479+00	1.1185-02	1.5536-02	2.5205-01	2.3951+05	2.8285-03	1.0520+00

[redacted]

160 4 11.93 -.07 .00 -.00 404 2 1.90 10.09 460.0 1737.3

8.45532+01 9.82292-03 7.00557-01 4.54793+03 9.74704-06 6.84881-08 5.43006-02 7.72000+00 7.08255-06 7.46522-02

1	534.04	1.1472+02	1.9426+01	6.3288-02	1.9426+01	6.3288-02	4.4374-02	1.0108+00	1.2806+06	1.6144-02	.0000+00
2	500.12	5.6887+01	8.4525+00	2.6823-02	8.4525+00	2.6823-02	1.8807-02	4.2840-01	5.4276+05	6.8319-03	1.1570-01
3	484.01	3.0830+01	4.9187+00	1.5419-02	4.9187+00	1.5419-02	1.0811-02	2.4627-01	3.1201+05	3.9246-03	2.5000-01
4	483.16	2.5063+01	4.0215+00	1.2598-02	4.0215+00	1.2598-02	8.8333-03	2.0122-01	2.5493+05	3.2065-03	4.8300-01
5	483.05	1.9402+01	3.1031+00	9.7204-03	3.1031+00	9.7204-03	6.8154-03	1.5525-01	1.9670+05	2.4740-03	8.7000-01
6	472.72	1.6999+01	2.7511+00	8.5511-03	2.7511+00	8.5511-03	5.9956-03	1.3658-01	1.7303+05	2.1754-03	1.2590+00
7	473.54	1.5199+01	2.4535+00	7.6308-03	2.4535+00	7.6308-03	5.3503-03	1.2188-01	1.5441+05	1.9414-03	1.6500+00
8	478.69	1.0630+01	1.7853+00	5.5741-03	1.7853+00	5.5741-03	3.9083-03	8.9028-02	1.1279+05	1.4185-03	1.7720+00
9	483.97	1.5340+00	2.6238-01	8.2247-04	2.6238-01	8.2247-04	5.7667-04	1.3136-02	1.6643+04	2.0934-04	1.9200+00
10	494.90	1.0000+00	1.7377-01	5.4925-04	1.7377-01	5.4925-04	3.8510-04	8.7724-03	1.1114+04	1.3987-04	2.2400+00
11	491.33	9.6987-01	1.6961-01	5.3464-04	1.6961-01	5.3464-04	3.7486-04	8.5390-03	1.0819+04	1.3612-04	2.6360+00
12	484.78	8.8519-01	1.5370-01	4.8209-04	1.5370-01	4.8209-04	3.3801-04	7.6997-03	9.7552+03	1.2271-04	3.0250+00
13	482.39	8.6857-01	1.5058-01	4.7144-04	1.5058-01	4.7144-04	3.3055-04	7.5297-03	9.5398+03	1.1999-04	3.4150+00
14	506.16	5.8210+01	8.7122+00	2.7775-02	8.7122+00	2.7775-02	1.9474-02	4.4361-01	5.6203+05	7.0763-03	1.1570-01
15	480.44	3.0428+01	4.8735+00	1.5236-02	4.8735+00	1.5236-02	1.0683-02	2.4334-01	3.0830+05	3.8774-03	2.5000-01
16	476.91	2.4131+01	3.8200+00	1.1911-02	3.8200+00	1.1911-02	8.3512-03	1.9024-01	2.4102+05	3.0307-03	4.8300-01
17	473.99	1.7246+01	2.7504+00	8.5572-03	2.7504+00	8.5572-03	5.9999-03	1.3667-01	1.7316+05	2.1771-03	8.7000-01
18	469.47	1.7097+01	2.7439+00	8.5080-03	2.7439+00	8.5080-03	5.9654-03	1.3589-01	1.7216+05	2.1642-03	1.2590+00
19	476.56	1.4890+01	2.4233+00	7.5540-03	2.4233+00	7.5540-03	5.2965-03	1.2065-01	1.5286+05	1.9221-03	1.6500+00
20	480.89	7.9678+00	1.3481+00	4.2162-03	1.3481+00	4.2162-03	2.9561-03	6.7339-02	8.5315+04	1.0730-03	1.7720+00
21	469.72	1.8866+01	2.9630+00	9.1892-03	2.9630+00	9.1892-03	6.4430-03	1.4677-01	1.8595+05	2.3375-03	4.8300-01
22	468.16	1.8266+01	2.9290+00	9.0731-03	2.9290+00	9.0731-03	6.3616-03	1.4491-01	1.8360+05	2.3078-03	8.7000-01
23	464.08	1.4278+01	2.2904+00	7.0734-03	2.2904+00	7.0734-03	4.9595-03	1.1297-01	1.4313+05	1.7988-03	1.2590+00
24	476.62	1.3192+01	2.1602+00	6.7340-03	2.1602+00	6.7340-03	4.7215-03	1.0755-01	1.3626+05	1.7135-03	1.6500+00
25	481.15	9.2151+00	1.5318+00	4.7916-03	1.5318+00	4.7916-03	3.3596-03	7.6530-02	9.6959+04	1.2195-03	1.7720+00
26	487.29	1.3735+00	2.3544-01	7.3986-04	2.3544-01	7.3986-04	5.1875-04	1.1817-02	1.4971+04	1.8834-04	1.9200+00
27	490.91	1.0332+00	1.7753-01	5.5942-04	1.7753-01	5.5942-04	3.9224-04	8.9349-03	1.1320+04	1.4243-04	3.0250+00
28	484.70	1.3179+00	2.2553-01	7.0734-04	2.2553-01	7.0734-04	4.9595-04	1.1297-02	1.4313+04	1.8004-04	3.4150+00
29	481.19	5.3192+01	8.4973+00	2.6580-02	8.4973+00	2.6580-02	1.8637-02	4.2453-01	5.3786+05	6.7646-03	8.7000-01
30	473.06	3.5926+01	5.7796+00	1.7969-02	5.7796+00	1.7969-02	1.2599-02	2.8700-01	3.6361+05	4.5715-03	1.2590+00
31	484.56	3.0735+01	5.0283+00	1.5769-02	5.0283+00	1.5769-02	1.1056-02	2.5185-01	3.1909+05	4.0137-03	1.6500+00
32	480.98	1.4586+01	2.4245+00	7.5827-03	2.4245+00	7.5827-03	5.3166-03	1.2111-01	1.5344+05	1.9298-03	1.7720+00
33	489.82	1.0878+00	1.8349-01	5.7774-04	1.8349-01	5.7774-04	4.0508-04	9.2274-03	1.1691+04	1.4709-04	2.2400+00
34	490.82	9.1896-01	1.5558-01	4.9021-04	1.5558-01	4.9021-04	3.4371-04	7.8295-03	9.9195+03	1.2481-04	3.0250+00
35	476.70	3.2300+01	4.7587+00	1.4835-02	4.7587+00	1.4835-02	1.0402-02	2.3695-01	3.0020+05	3.7749-03	1.1570-01
37	479.09	3.1044+01	4.8285+00	1.5080-02	4.8285+00	1.5080-02	1.0573-02	2.4086-01	3.0515+05	3.8375-03	1.2500+00
38	477.03	2.7273+00	4.5892-01	1.4311-03	4.5892-01	1.4311-03	1.0034-03	2.2856-02	2.8958+04	3.6414-04	1.9200+00
39	487.92	2.5699+00	4.3940-01	1.3815-03	4.3940-01	1.3815-03	9.6863-04	2.2065-02	2.7955+04	3.5169-04	2.2400+00
40	496.38	1.4982+00	2.6135-01	8.2698-04	2.6135-01	8.2698-04	5.7983-04	1.3208-02	1.6734+04	2.1060-04	3.0250+00
41	496.18	1.5418+00	2.6660-01	8.4346-04	2.6660-01	8.4346-04	5.9139-04	1.3471-02	1.7068+04	2.1480-04	3.4150+00
42	495.29	6.0554+01	9.7932+00	3.0963-02	9.7932+00	3.0963-02	2.1709-02	4.9452-01	6.2654+05	7.8848-03	8.7000-01
43	491.82	3.8294+01	6.2947+00	1.9849-02	6.2947+00	1.9849-02	1.3917-02	3.1703-01	4.0166+05	5.0540-03	1.2590+00
44	491.85	3.0288+01	4.9941+00	1.5748-02	4.9941+00	1.5748-02	1.1042-02	2.5153-01	3.1867+05	4.0098-03	1.6500+00
45	485.36	1.6961+01	2.8102+00	8.8182-03	2.8102+00	8.8182-03	6.1828-03	1.4084-01	1.7844+05	2.2446-03	1.7720+00
46	490.07	1.2748+00	2.1571-01	6.7931-04	2.1571-01	6.7931-04	4.7630-04	1.0850-02	1.3746+04	1.7295-04	2.2400+00
47	498.11	7.4961-01	1.2940-01	4.0999-04	1.2940-01	4.0999-04	2.8746-04	6.5482-03	8.2963+03	1.0442-04	3.0250+00
48	473.86	1.8296+01	2.8813+00	8.9634-03	2.8813+00	8.9634-03	6.2846-03	1.4316-01	1.8138+05	2.2804-03	8.7000-01
49	483.89	1.3245+01	2.1594+00	6.7685-03	2.1594+00	6.7685-03	4.7457-03	1.0810-01	1.3696+05	1.7228-03	1.2590+00
50	486.39	1.2782+01	2.1258+00	6.6756-03	2.1258+00	6.6756-03	4.6806-03	1.0662-01	1.3508+05	1.6993-03	1.6500+00
51	483.45	8.9470+00	1.4851+00	4.6533-03	1.4851+00	4.6533-03	3.2626-03	7.4321-02	9.4161+04	1.1844-03	1.7720+00
52	483.28	1.5964+00	2.7053-01	8.4757-04	2.7053-01	8.4757-04	5.9427-04	1.3537-02	1.7151+04	2.1572-04	1.9200+00
53	491.96	1.2062+00	2.0436-01	6.4449-04	2.0436-01	6.4449-04	4.5188-04	1.0294-02	1.3041+04	1.6410-04	2.2400+00
54	496.43	1.2244+00	2.0804-01	6.5833-04	2.0804-01	6.5833-04	4.6159-04	1.0515-02	1.3322+04	1.6766-04	2.6360+00
55	500.95	1.3886+00	2.3662-01	7.5135-04	2.3662-01	7.5135-04	5.2681-04	1.2000-02	1.5204+04	1.9138-04	3.0250+00
56	503.79	1.6473+00	2.8372-01	9.0288-04	2.8372-01	9.0288-04	6.3305-04	1.4420-02	1.8270+04	2.3001-04	3.4150+00
57	497.20	5.2257+01	7.8027+00	2.4705-02	7.8027+00	2.4705-02	1.7322-02	3.9458-01	4.9991+05	6.2918-03	1.1570-01
58	478.29	3.0946+01	4.9187+00	1.5352-02	4.9187+00	1.5352-02	1.0764-02	2.4520-01	3.1066+05	3.9067-03	2.5000-01
59	472.65	2.4932+01	3.9727+00	1.2348-02	3.9727+00	1.2348-02	8.6576-03	1.9721-01	2.4986+05	3.1413-03	4.8300-01
60	477.59	1.8160+01	2.9032+00	9.0568-03	2.9032+00	9.0568-03	6.3502-03	1.4465-01	1.8327+05	2.3046-03	8.7000-01
61	492.74	1.1481+00	1.8652-01	5.8856-04	1.8652-01	5.8856-04	4.1267-04	9.4003-03	1.1910+04	1.4986-04	1.2590+00
62	489.08	1.4514+01	2.3597+00	7.4254-03	2.3597+00	7.4254-03	5.2063-03	1.1860-01	1.5025+05	1.8904-03	1.6500+00
63	483.81	9.8925+00	1.6671+00	5.2252-03	1.6671+00	5.2252-03	3.6636-03	8.3454-02	1.0573+05	1.3299-03	1.7720+00
64	488.74	1.1278+00	1.9407-01	6.1053-04	1.9407-01	6.1053-04	4.2807-04	9.7511-03	1.2354+04	1.5543-04	2.2400+00
65	500.41	9.5325-01	1.6576-01	5.2612-04	1.6576-01	5.2612-04	3.6888-04	8.4030-03	1.0646+04	1.3401-04	3.0250+00
66	498.30	5.3550+01	8.0015+00	2.5356-02	8.0015+00	2.5356-02	1.7778-02	4.0498-01	5.1308+05	6.4579-03	1.1570-01
67	479.72	3.1088+01	4.8063+00	1.5018-02	4.8063+00	1.5018-02	1.0530-02	2.3986-01	3.0389+05	3.8218-03	2.5000-01
68	477.00	2.5223+01	4.0307+00	1.2569-02	4.0307+00	1.2569-02	8.8125-03	2.0074-01	2.5433+05	3.1981-03	4.8300-01
69	484.77	1.9492+01	3.1309+00	9.8202-03	3.1309+00	9.8202-03	6.8854-03	1.5685-01	1.9872+05	2.4996-03	8.7000-01
70	489.74	1.6188+01	2.6573+00	8.3661-03	2.6573+00	8.3661-03	5.8659-03	1.3362-01	1.6929+05	2.1300-03	1.2590+00
71	490.76	1.4637+01	2.4338+00	7.6682-03	2.4338+00	7.6682-03	5.3766-03	1.2247-01	1.5517+05	1.9524-03	1.6500+00
72	486.70	9.9049+00	1.6773+00	5.2687-03	1.6773+00	5.2687-03	3.6941-03	8.4150-02	1.0661+05	1.3412-03	1.7720+00
73	481.57	1.7325+00	2.9413-01	9.2032-04	2.9413-01	9.2032-04	6.4528-04	1.4699-02	1.8623+04	2.3422-04	1.9200+00
74	488.12	1.0748+00	1.8434-01	5.7964-04	1.8434-01	5.7964-04	4.0642-04	9.2579-03	1.1729+04	1.4756-04	2.2400+00
75	498.02	9.3299-01	1.6104-01	5.1022-04	1.6104-01	5.1022-04	3.5774-04	8.1491-03	1.0324+04	1.2995-04	3.0250+00
76	501.05	9.3091-01	1.6147-01	5.1275-04	1.6147-01	5.1275-04	3.5952-04	8.1895-03	1.0376+04	1.3061-04	3.4150+00
77	489.91	9.0753-01	1.5310-01	4.8206-04	1.5310-01	4.8206-04	3.3799-04	7.6993-03	9.7546+03	1.2273-04	2.6360+00
78	480.38	9.3143-01	1.5801-01	4.9396-04	1.5801-01	4.9396-04	3.4634-04	7.8894-03	9.9955+03	1.2571-04	3.0250+00
79	476.84	1.0436+00	1.7715-01	5.5233-04	1.7715-01	5.5233-04	3.8727-04	8.8217-03	1.1177+04	1.4054-04	3.4150+00
80	496.80	9.9532-01	1.7167-01	5.4338-04	1.7167-01	5.4338-04	3.8099-04	8.6787-03	1.0995+04	1.3838-04	2.2400+00
81	491.37	9.2208-01	1.5570-01	4.9079-04	1.5570-01	4.9079-04	3.4412-04	7.8388-03	9.9313+03	1.2496-04	2.6360+00
82	482.76	9.2623-01	1.5598-01	4.8851-04	1.5598-01	4.8851-04	3.4251-04	7.8023-03	9.8851+03	1.2433-04	3.0250+00
83	479.48	9.3558-01	1.5862-01	4.9554-04	1.5862-01	4.9554-04	3.4744-04	7.9145-03	1.0027+04	1.2610-04	3.4150+00
401	509.67	5.9776+01	5.1367+00	1.6420-02	5.1367+00	1.6420-02	1.1513-02	2.6226-01	3.3227+05	4.1842-03	4.4500-01
403	511.13	5.3980+01	4.6429+00	1.4859-02	4.6429+00	1.4859-02	1.0418-02	2.3732-01	3.0067+05	3.7865-03	6.8600-01
404	501.12	3.8531+01	3.2931+00	1.0458-02	3.2931+00	1.0458-02	7.3327-03	1.6703-01	2.1162+05	2.6639-03	8.0100-01
405	494.52	3.8873+01	3.3082+00	1.0453-02	3.3082+00	1.0453-02	7.3292-03	1.6695-01	2.1152+05	2.6619-03	1.0510+00
406	591.71	-2.5974-03	-2.3451-04	-8.0035-07	-2.3451-04	-8.0035-07	-5.6116-07	-1.2783-05	-1.6195+01	-2.0470-07	1.1670+00
407	528.36	9.2287+01	8.1663+00	2.6487-02	8.1663+00	2.6487-02	1.8571-02	4.2303-01	5.3596+05	6.7548-03	1.2830+00
408	496.10	3.9571+01	3.3711+00	1.0665-02	3.3711+00	1.0665-02	7.4776-03	1.7033-01	2.1580+05	2.7159-03	5.1300-01
409	487.15	2.7721+01	2.3757+00	7.4647-03	2.3757+00	7.4647-03	5.2339-03	1.1922-01	1.5105+05	1.9003-03	5.7000-01
410	486.17	2.4567+01	2.1040+00	6.6062-03	2.1040+00	6.6062-03	4.6319-03	1.0551-01	1.3368+05	1.6816-03	6.2800-01
411	485.98	2.7631+01	2.3662+00	7.4283-03	2.3662+00	7.4283-03	5.2083-03	1.1864-01	1.5031+05	1.8909-03	6.8600-01
412	492.51	3.6628+01	3.1499+00	9.9379-03	3.1499+00	9.9379-03	6.9679-03	1.5872-01	2.0110+05	2.5304-03	7.4400-01
413	491.95	3.6652+01	3.1509+00	9.9367-03	3.1509+00	9.9367-03	6.9671-03	1.5871-01	2.0107+05	2.5301-03	8.0100-01
414	487.77	2.9258+01	2.4791+00	7.7933-03	2.4791+00	7.7933-03	5.4643-03	1.2447-01	1.5770+05	1.9840-03	8.5900-01
415	484.30	2.6578+01	2.2602+00	7.0866-03	2.2602+00	7.0866-03	4.9688-03	1.1319-01	1.4340+05	1.8038-03	9.1700-01
416	490.11	2.7829+01	2.3336+00	7.3490-03	2.3336+00	7.3490-03	5.1527-03	1.1738-01	1.4871+05	1.8710-03	5.7000-01
417	500.48	5.3056+01	4.5862+00	1.4557-02	4.5862+00	1.4557-02	1.0207-02	2.3251-01	2.9457+05	3.7080-03	1.0520+00

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160 4 11.91 -.09 .00 -.00 404 2 2.15 10.09 460.0 1737.3

8.45532+01 9.82292-03 7.00557-01 4.54793+03 9.74704-06 6.84881-08 5.43006-02 7.72000+00 7.08255-06 7.46522-02

1	562.32	1.1049+02	1.9033+01	6.3437-02	1.9033+01	6.3437-02	4.4479-02	1.0132+00	1.2837+06	1.6198-02	.0000+00
2	514.41	5.6834+01	8.5218+00	2.7350-02	8.5218+00	2.7350-02	1.9176-02	4.3682-01	5.5343+05	6.9684-03	1.1570-01
3	491.73	3.0950+01	4.9627+00	1.5653-02	4.9627+00	1.5653-02	1.0975-02	2.5000-01	3.1674+05	3.9842-03	2.5000-01
4	489.41	2.4807+01	3.9966+00	1.2583-02	3.9966+00	1.2583-02	8.8228-03	2.0098-01	2.5463+05	3.2026-03	4.8300-01
5	487.88	1.9308+01	3.0979+00	9.7423-03	3.0979+00	9.7423-03	6.8308-03	1.5560-01	1.9714+05	2.4794-03	8.7000-01
6	476.93	1.6858+01	2.7358+00	8.5331-03	2.7358+00	8.5331-03	5.9829-03	1.3629-01	1.7267+05	2.1706-03	1.2590+00
7	477.30	1.5074+01	2.4394+00	7.6107-03	2.4394+00	7.6107-03	5.3362-03	1.2156-01	1.5400+05	1.9360-03	1.6500+00
8	481.31	1.0425+01	1.7540+00	5.4886-03	1.7540+00	5.4886-03	3.8483-03	8.7663-02	1.1106+05	1.3964-03	1.7720+00
9	484.35	1.5179+00	2.5969-01	8.1453-04	2.5969-01	8.1453-04	5.7110-04	1.3009-02	1.6482+04	2.0726-04	1.9200+00
10	495.16	9.5844-01	1.6658-01	5.2677-04	1.6658-01	5.2677-04	3.6934-04	8.4134-03	1.0659+04	1.3410-04	2.2400+00
11	491.56	8.7844-01	1.5364-01	4.8454-04	1.5364-01	4.8454-04	3.3974-04	7.7390-03	9.8048+03	1.2333-04	2.6360+00
12	484.99	9.0182-01	1.5661-01	4.9144-04	1.5661-01	4.9144-04	3.4457-04	7.8491-03	9.9443+03	1.2505-04	3.0250+00
13	482.60	9.3091-01	1.6141-01	5.0559-04	1.6141-01	5.0559-04	3.5449-04	8.0750-03	1.0231+04	1.2864-04	3.4150+00
14	520.68	5.7967+01	8.7556+00	2.8237-02	8.7556+00	2.8237-02	1.9798-02	4.5099-01	5.7138+05	7.1965-03	1.1570-01
15	488.05	3.0350+01	4.8853+00	1.5366-02	4.8853+00	1.5366-02	1.0774-02	2.4541-01	3.1093+05	3.9105-03	2.5000-01
16	482.95	2.3941+01	3.8050+00	1.1922-02	3.8050+00	1.1922-02	8.3587-03	1.9041-01	2.4124+05	3.0333-03	4.8300-01
17	478.31	1.7377+01	2.7793+00	8.6775-03	2.7793+00	8.6775-03	6.0842-03	1.3859-01	1.7559+05	2.2075-03	8.7000-01
18	473.70	1.7020+01	2.7392+00	8.5231-03	2.7392+00	8.5231-03	5.9759-03	1.3613-01	1.7247+05	2.1678-03	1.2590+00
19	480.25	1.4761+01	2.4081+00	7.5297-03	2.4081+00	7.5297-03	5.2794-03	1.2026-01	1.5237+05	1.9156-03	1.6500+00
20	482.87	8.0177+00	1.3583+00	4.2557-03	1.3583+00	4.2557-03	2.9838-03	6.7970-02	8.6115+04	1.0828-03	1.7720+00
21	474.40	1.8837+01	2.9677+00	9.2386-03	2.9677+00	9.2386-03	6.4776-03	1.4756-01	1.8695+05	2.3498-03	4.8300-01
22	472.74	1.8364+01	2.9537+00	9.1838-03	2.9537+00	9.1838-03	6.4392-03	1.4668-01	1.8584+05	2.3357-03	8.7000-01
23	467.57	1.3992+01	2.2496+00	6.9677-03	2.2496+00	6.9677-03	4.8854-03	1.1129-01	1.4099+05	1.7717-03	1.2590+00
24	479.88	1.2996+01	2.1327+00	6.6666-03	2.1327+00	6.6666-03	4.6742-03	1.0648-01	1.3490+05	1.6960-03	1.6500+00
25	483.40	8.9761+00	1.4943+00	4.6835-03	1.4943+00	4.6835-03	3.2839-03	7.4804-02	9.4773+04	1.1917-03	1.7720+00
26	487.63	1.3304+00	2.2810-01	7.1720-04	2.2810-01	7.1720-04	5.0286-04	1.1455-02	1.4513+04	1.8252-04	1.9200+00
27	491.15	9.8078-01	1.6854-01	5.3136-04	1.6854-01	5.3136-04	3.7256-04	8.4867-03	1.0752+04	1.3525-04	3.0250+00
28	485.01	1.3205+00	2.2602-01	7.0926-04	2.2602-01	7.0926-04	4.9729-04	1.1328-02	1.4352+04	1.8048-04	3.4150+00
29	494.86	5.3438+01	8.6131+00	2.7231-02	8.6131+00	2.7231-02	1.9093-02	4.3492-01	5.5102+05	6.9322-03	8.7000-01
30	482.26	3.7180+01	6.0179+00	1.8845-02	6.0179+00	1.8845-02	1.3213-02	3.0099-01	3.8134+05	4.7949-03	1.2590+00
31	492.20	3.0270+01	4.9770+00	1.5703-02	4.9770+00	1.5703-02	1.1010-02	2.5081-01	3.1776+05	3.9972-03	1.6500+00
32	484.62	1.4610+01	2.4342+00	7.6363-03	2.4342+00	7.6363-03	5.3542-03	1.2197-01	1.5452+05	1.9431-03	1.7720+00
33	490.09	1.1720+00	1.9772-01	6.2286-04	1.9772-01	6.2286-04	4.3671-04	9.9480-03	1.2604+04	1.5853-04	2.2400+00
34	491.00	7.6520-01	1.2956-01	4.0841-04	1.2956-01	4.0841-04	2.8636-04	6.5230-03	8.2643+03	1.0395-04	3.0250+00
35	484.84	3.2735+01	4.8487+00	1.5213-02	4.8487+00	1.5213-02	1.0667-02	2.4298-01	3.0785+05	3.8712-03	1.1570-01
36	486.84	3.1054+01	4.8547+00	1.5255-02	4.8547+00	1.5255-02	1.0696-02	2.4365-01	3.0869+05	3.8822-03	1.2500+00
37	477.74	2.9138+00	4.9053-01	1.5309-03	4.9053-01	1.5309-03	1.0734-03	2.4451-02	3.0978+04	3.8944-04	1.9200+00
38	488.58	2.6888+00	4.5994-01	1.4472-03	4.5994-01	1.4472-03	1.0147-03	2.3115-02	2.9285+04	3.6832-04	2.2400+00
39	496.74	1.5403+00	2.6875-01	8.5090-04	2.6875-01	8.5090-04	5.9661-04	1.3590-02	1.7218+04	2.1663-04	3.0250+00
40	496.51	1.3948+00	2.4123-01	7.6362-04	2.4123-01	7.6362-04	5.3541-04	1.2196-02	1.5452+04	1.9441-04	3.4150+00
41	510.09	5.7735+01	9.4261+00	3.0151-02	9.4261+00	3.0151-02	2.1140-02	4.8156-01	6.1012+05	7.6808-03	8.7000-01
42	501.38	3.8244+01	6.3254+00	2.0098-02	6.3254+00	2.0098-02	1.4092-02	3.2100-01	4.0669+05	5.1179-03	1.2590+00
43	499.56	3.0542+01	5.0610+00	1.6058-02	5.0610+00	1.6058-02	1.1259-02	2.5648-01	3.2494+05	4.0888-03	1.6500+00
44	489.68	1.7334+01	2.8801+00	9.0699-03	2.8801+00	9.0699-03	6.3593-03	1.4486-01	1.8353+05	2.3084-03	1.7720+00
45	490.36	1.2764+00	2.1602-01	6.8063-04	2.1602-01	6.8063-04	4.7722-04	1.0871-02	1.3773+04	1.7323-04	2.2400+00
46	498.27	7.8650-01	1.3578-01	4.3039-04	1.3578-01	4.3039-04	3.0177-04	6.8741-03	8.7091+03	1.0958-04	3.0250+00
47	478.34	1.8269+01	2.8856+00	9.0099-03	2.8856+00	9.0099-03	6.3173-03	1.4390-01	1.8232+05	2.2920-03	8.7000-01
48	487.19	1.3162+01	2.1505+00	6.7594-03	2.1505+00	6.7594-03	4.7393-03	1.0796-01	1.3678+05	1.7202-03	1.2590+00
49	489.59	1.2711+01	2.1182+00	6.6702-03	2.1182+00	6.6702-03	4.6768-03	1.0653-01	1.3497+05	1.6977-03	1.6500+00
50	485.66	8.8286+00	1.4675+00	4.6074-03	1.4675+00	4.6074-03	3.2305-03	7.3588-02	9.3232+04	1.1724-03	1.7720+00
51	483.68	1.6416+00	2.7826-01	8.7231-04	2.7826-01	8.7231-04	6.1162-04	1.3932-02	1.7651+04	2.2196-04	1.9200+00
52	492.25	1.1938+00	2.0229-01	6.3828-04	2.0229-01	6.3828-04	4.4753-04	1.0194-02	1.2916+04	1.6247-04	2.2400+00
53	496.72	1.2042+00	2.0464-01	6.4790-04	2.0464-01	6.4790-04	4.5427-04	1.0348-02	1.3110+04	1.6495-04	2.6360+00
54	501.29	1.4042+00	2.3933-01	7.6038-04	2.3933-01	7.6038-04	5.3314-04	1.2145-02	1.5386+04	1.9363-04	3.0250+00
55	504.19	1.6156+00	2.7834-01	8.8627-04	2.7834-01	8.8627-04	6.2141-04	1.4155-02	1.7934+04	2.2571-04	3.4150+00
56	510.40	5.2822+01	7.9540+00	2.5448-02	7.9540+00	2.5448-02	1.7843-02	4.0645-01	5.1495+05	6.4828-03	1.1570-01
57	486.05	3.0932+01	4.9417+00	1.5519-02	4.9417+00	1.5519-02	1.0881-02	2.4787-01	3.1404+05	3.9493-03	2.5000-01
58	478.90	2.4827+01	3.9724+00	1.2408-02	3.9724+00	1.2408-02	8.7001-03	1.9818-01	2.5109+05	3.1567-03	4.8300-01
59	482.16	1.8340+01	2.9408+00	9.2084-03	2.9408+00	9.2084-03	6.4564-03	1.4707-01	1.8633+05	2.3429-03	8.7000-01
60	493.03	1.1356+00	1.8453-01	5.8259-04	1.8453-01	5.8259-04	4.0848-04	9.3049-03	1.1789+04	1.4830-04	1.2590+00
61	492.69	1.4473+01	2.3586+00	7.4446-03	2.3586+00	7.4446-03	5.2198-03	1.1890-01	1.5064+05	1.8950-03	1.6500+00
62	486.17	9.5621+00	1.6139+00	5.0690-03	1.6139+00	5.0690-03	3.5541-03	8.0961-02	1.0257+05	1.2899-03	1.7720+00
63	489.01	1.0899+00	1.8758-01	5.9040-04	1.8758-01	5.9040-04	4.1396-04	9.4297-03	1.1947+04	1.5026-04	2.2400+00
64	500.58	8.0000-01	1.3913-01	4.4178-04	1.3913-01	4.4178-04	3.0975-04	7.0559-03	8.9395+03	1.1249-04	3.0250+00
65	511.04	5.4117+01	8.1564+00	2.6125-02	8.1564+00	2.6125-02	1.8317-02	4.1726-01	5.2864+05	6.6556-03	1.1570-01
66	487.51	3.1063+01	4.8272+00	1.5177-02	4.8272+00	1.5177-02	1.0641-02	2.4240-01	3.0710+05	3.8623-03	2.5000-01
67	483.31	2.5276+01	4.0561+00	1.2712-02	4.0561+00	1.2712-02	8.9129-03	2.0303-01	2.5723+05	3.2345-03	4.8300-01
68	489.64	1.9482+01	3.1392+00	9.8856-03	3.1392+00	9.8856-03	6.9313-03	1.5789-01	2.0004+05	2.5160-03	8.7000-01
69	493.79	1.6186+01	2.6640+00	8.4157-03	2.6640+00	8.4157-03	5.9007-03	1.3441-01	1.7029+05	2.1423-03	1.2590+00
70	494.32	1.4453+01	2.4087+00	7.6123-03	2.4087+00	7.6123-03	5.3373-03	1.2158-01	1.5404+05	1.9378-03	1.6500+00
71	489.05	9.4410+00	1.6012+00	5.0401-03	1.6012+00	5.0401-03	3.5338-03	8.0499-02	1.0199+05	1.2827-03	1.7720+00
72	482.00	1.7590+00	2.9871-01	9.3524-04	2.9871-01	9.3524-04	6.5574-04	1.4937-02	1.8925+04	2.3795-04	1.9200+00
73	488.38	1.0405+00	1.7849-01	5.6153-04	1.7849-01	5.6153-04	3.9371-04	8.9685-03	1.1363+04	1.4291-04	2.2400+00
74	498.21	8.7637-01	1.5129-01	4.7953-04	1.5129-01	4.7953-04	3.3622-04	7.6589-03	9.7034+03	1.2209-04	3.0250+00
75	501.25	8.5558-01	1.4842-01	4.7154-04	1.4842-01	4.7154-04	3.3062-04	7.5313-03	9.5417+03	1.2007-04	3.4150+00
76	490.14	8.6909-01	1.4663-01	4.6193-04	1.4663-01	4.6193-04	3.2388-04	7.3778-03	9.3472+03	1.1757-04	2.6360+00
77	480.61	9.5844-01	1.6262-01	5.0860-04	1.6262-01	5.0860-04	3.5661-04	8.1232-03	1.0292+04	1.2940-04	3.0250+00
78	477.10	9.9896-01	1.6960-01	5.2904-04	1.6960-01	5.2904-04	3.7093-04	8.4496-03	1.0705+04	1.3457-04	3.4150+00
79	497.07	1.0639+00	1.8353-01	5.8121-04	1.8353-01	5.8121-04	4.0752-04	9.2830-03	1.1761+04	1.4798-04	2.2400+00
80	491.61	9.5844-01	1.6186-01	5.1047-04	1.6186-01	5.1047-04	3.5792-04	8.1531-03	1.0330+04	1.2993-04	2.6360+00
81	482.98	9.2987-01	1.5662-01	4.9073-04	1.5662-01	4.9073-04	3.4407-04	7.8378-03	9.9301+03	1.2486-04	3.0250+00
82	479.70	9.1377-01	1.5494-01	4.8428-04	1.5494-01	4.8428-04	3.3955-04	7.7347-03	9.7994+03	1.2320-04	3.4150+00
83	525.25	6.2562+01	5.4290+00	1.7571-02	5.4290+00	1.7571-02	1.2320-02	2.8064-01	3.5556+05	4.4791-03	4.4500-01
401	524.31	5.1216+01	4.4418+00	1.4365-02	4.4418+00	1.4365-02	1.0072-02	2.2944-01	2.9069+05	3.6618-03	6.8600-01
403	510.32	3.6515+01	3.1392+00	1.0043-02	3.1392+00	1.0043-02	7.0416-03	1.6040-01	2.0322+05	2.5584-03	8.0100-01
404	506.26	3.9081+01	3.3468+00	1.0657-02	3.3468+00	1.0657-02	7.4725-03	1.7022-01	2.1566+05	2.7142-03	1.0510+00
405	491.71	-2.5964-03	-2.3442-04	-8.0030-07	-2.3442-04	-8.0030-07	-5.6113-07	-1.2782-05	-1.6194+01	-2.0462-07	1.1670+00
406	550.74	8.8756+01	7.9620+00	2.6293-02	7.9620+00	2.6293-02	1.8435-02	4.1994-01	5.3204+05	6.7100-03	1.2830+00
407	506.31	4.1632+01	3.5699+00	1.1386-02	3.5699+00	1.1386-02	7.9831-03	1.8185-01	2.3039+05	2.9000-03	5.1300-01
408	494.36	2.9815+01	2.5671+00	8.1131-03	2.5671+00	8.1131-03	5.6885-03	1.2958-01	1.6417+05	2.0653-03	5.7000-01
409	492.73	2.7290+01	2.3472+00	7.4089-03	2.3472+00	7.4089-03	5.1948-03	1.1833-01	1.4992+05	1.8859-03	6.2800-01
410	493.54	3.1136+01	2.6794+00	8.4626-03	2.6794+00	8.4626-03	5.9335-03	1.3516-01	1.7124+05	2.1542-03	6.8600-01
411	502.19	3.9153+01	3.3882+00	1.0772-02	3.3882+00	1.0772-02	7.5528-03	1.7205-01	2.1798+05	2.7432-03	7.4400-01
412	501.50	3.7855+01	3.2744+00	1.0405-02	3.2744+00	1.0405-02	7.2953-03	1.6618-01	2.1054+05	2.6495-03	8.0100-01
413	495.34	3.0656+01	2.6103+00	8.2557-03	2.6103+00	8.2557-03	5.7884-03	1.3186-01	1.6706+05	2.1017-03	8.5900-01
414	491.25	2.7999+01	2.3918+00	7.5412-03	2.3918+00	7.5412-03	5.2875-03	1.2045-01	1.5260+05	1.9195-03	9.1700-01
415	497.27	2.9619+01	2.4953+00	7.9034-03	2.4953+00	7.9034-03	5.5415-03	1.2623-01	1.5993+05	2.0122-03	5.7000-01
416	514.07	5.3511+01	4.6658+00	1.4970-02	4.6658+00	1.4970-02	1.0496-02	2.3910-01	3.0293+05	3.8142-03	1.0520+00
417											

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160 4 11.91 -.09 .00 -.00 404 2 2.40 10.09 460.0 1737.5

8.45622+01 9.82277-03 7.00547-01 4.54817+03 9.74585-06 6.84954-08 5.42911-02 7.72000+00 7.08341-06 7.46511-02

1	589.37	1.0595+02	1.8541+01	6.3198-02	1.8541+01	6.3198-02	4.4314-02	1.0094+00	1.2787+06	1.6149-02	.0000+00
2	528.59	5.6597+01	8.5617+00	2.7791-02	8.5617+00	2.7791-02	1.9487-02	4.4387-01	5.6229+05	7.0822-03	1.1570-01
3	499.43	3.0829+01	4.9680+00	1.5766-02	4.9680+00	1.5766-02	1.1055-02	2.5181-01	3.1899+05	4.0127-03	2.5000-01
4	495.55	2.4549+01	3.9709+00	1.2565-02	3.9709+00	1.2565-02	8.8103-03	2.0068-01	2.5422+05	3.1973-03	4.8300-01
5	492.68	1.9231+01	3.0953+00	9.7726-03	3.0953+00	9.7726-03	6.8525-03	1.5608-01	1.9773+05	2.4865-03	8.7000-01
6	481.14	1.6821+01	2.7374+00	8.5677-03	2.7374+00	8.5677-03	6.0076-03	1.3684-01	1.7335+05	2.1789-03	1.2590+00
7	481.07	1.5040+01	2.4399+00	7.6363-03	2.4399+00	7.6363-03	5.3545-03	1.2196-01	1.5450+05	1.9420-03	1.6500+00
8	483.89	1.0361+01	1.7462+00	5.4766-03	1.7462+00	5.4766-03	3.8402-03	8.7470-02	1.1081+05	1.3929-03	1.7720+00
9	484.73	1.5803+00	2.7043-01	8.4868-04	2.7043-01	8.4868-04	5.9509-04	1.3555-02	1.7171+04	2.1586-04	1.9200+00
10	495.39	9.5533-01	1.6606-01	5.2539-04	1.6606-01	5.2539-04	3.6840-04	8.3914-03	1.0630+04	1.3369-04	2.2400+00
11	491.78	8.9506-01	1.5657-01	4.9401-04	1.5657-01	4.9401-04	3.4640-04	7.8902-03	9.9953+03	1.2569-04	2.6360+00
12	485.20	8.7637-01	1.5221-01	4.7785-04	1.5221-01	4.7785-04	3.3507-04	7.6321-03	9.6683+03	1.2154-04	3.0250+00
13	482.84	9.6520-01	1.6738-01	5.2454-04	1.6738-01	5.2454-04	3.6780-04	8.3777-03	1.0613+04	1.3340-04	3.4150+00
14	535.15	5.7596+01	8.7780+00	2.8641-02	8.7780+00	2.8641-02	2.0083-02	4.5744-01	5.7948+05	7.3008-03	1.1570-01
15	495.62	3.0162+01	4.8790+00	1.5439-02	4.8790+00	1.5439-02	1.0826-02	2.4659-01	3.1237+05	3.9287-03	2.5000-01
16	488.89	2.3727+01	3.7856+00	1.1918-02	3.7856+00	1.1918-02	8.3569-03	1.9035-01	2.4113+05	3.0319-03	4.8300-01
17	482.66	1.7487+01	2.8049+00	8.7890-03	2.8049+00	8.7890-03	6.1628-03	1.4037-01	1.7783+05	2.2353-03	8.7000-01
18	477.97	1.6992+01	2.7425+00	8.5630-03	2.7425+00	8.5630-03	6.0044-03	1.3677-01	1.7325+05	2.1774-03	1.2590+00
19	483.92	1.4658+01	2.3971+00	7.5183-03	2.3971+00	7.5183-03	5.2718-03	1.2008-01	1.5212+05	1.9122-03	1.6500+00
20	484.89	8.1288+00	1.3790+00	4.3283-03	1.3790+00	4.3283-03	3.0350-03	6.9130-02	8.7573+04	1.1009-03	1.7720+00
21	479.11	1.9029+01	3.0072+00	9.3977-03	3.0072+00	9.3977-03	6.5896-03	1.5010-01	1.9014+05	2.3897-03	4.8300-01
22	477.34	1.8396+01	2.9680+00	9.2627-03	2.9680+00	9.2627-03	6.4949-03	1.4794-01	1.8741+05	2.3552-03	8.7000-01
23	471.07	1.3937+01	2.2460+00	6.9768-03	2.2460+00	6.9768-03	4.8921-03	1.1143-01	1.4116+05	1.7735-03	1.2590+00
24	483.12	1.2948+01	2.1293+00	6.6743-03	2.1293+00	6.6743-03	4.6800-03	1.0660-01	1.3504+05	1.6975-03	1.6500+00
25	485.60	8.8603+00	1.4772+00	4.6389-03	1.4772+00	4.6389-03	3.2528-03	7.4091-02	9.3858+04	1.1799-03	1.7720+00
26	487.98	1.3881+00	2.3804-01	7.4888-04	2.3804-01	7.4888-04	5.2511-04	1.1961-02	1.5152+04	1.9050-04	1.9200+00
27	491.39	9.8753-01	1.6973-01	5.3536-04	1.6973-01	5.3536-04	3.7539-04	8.5506-03	1.0832+04	1.3621-04	3.0250+00
28	485.37	1.4151+00	2.4226-01	7.6065-04	2.4226-01	7.6065-04	5.3336-04	1.2149-02	1.5390+04	1.9348-04	3.4150+00
29	508.16	5.2014+01	8.4553+00	2.7014-02	8.4553+00	2.7014-02	1.8942-02	4.3146-01	5.4657+05	6.8779-03	8.7000-01
30	491.75	3.7942+01	6.1794+00	1.9496-02	6.1794+00	1.9496-02	1.3671-02	3.1139-01	3.9446+05	4.9603-03	1.2590+00
31	499.69	2.9810+01	4.9251+00	1.5633-02	4.9251+00	1.5633-02	1.0962-02	2.4969-01	3.1630+05	3.9789-03	1.6500+00
32	488.27	1.4638+01	2.4447+00	7.6927-03	2.4447+00	7.6927-03	5.3941-03	1.2287-01	1.5565+05	1.9569-03	1.7720+00
33	490.41	1.2286+00	2.0732-01	6.5344-04	2.0732-01	6.5344-04	4.5819-04	1.0437-02	1.3221+04	1.6624-04	2.2400+00
34	491.20	7.1220-01	1.2060-01	3.8035-04	1.2060-01	3.8035-04	2.6670-04	6.0748-03	7.6956+03	9.6769-05	3.0250+00
35	493.08	3.3156+01	4.9376+00	1.5594-02	4.9376+00	1.5594-02	1.0934-02	2.4906-01	3.1551+05	3.9678-03	1.1570-01
36	494.62	3.1020+01	4.8740+00	1.5411-02	4.8740+00	1.5411-02	1.0806-02	2.4615-01	3.1182+05	3.9216-03	1.2500+00
37	494.62	3.1020+01	4.8740+00	1.5411-02	4.8740+00	1.5411-02	1.0806-02	2.4615-01	3.1182+05	3.9216-03	1.2500+00
38	478.47	3.0899+00	5.2043-01	1.6256-03	5.2043-01	1.6256-03	1.1399-03	2.5963-02	3.2890+04	4.1336-04	1.9200+00
39	489.27	2.8369+00	4.8549-01	1.5289-03	4.8549-01	1.5289-03	1.0720-03	2.4419-02	3.0933+04	3.8894-04	2.2400+00
40	497.15	1.6442+00	2.8696-01	9.0909-04	2.8696-01	9.0909-04	6.3745-04	1.4520-02	1.8394+04	2.3135-04	3.0250+00
41	496.86	1.4556+00	2.5180-01	7.9753-04	2.5180-01	7.9753-04	5.5922-04	1.2738-02	1.6136+04	2.0296-04	3.4150+00
42	524.16	5.4923+01	9.0466+00	2.9264-02	9.0466+00	2.9264-02	2.0520-02	4.6739-01	5.9209+05	7.4560-03	8.7000-01
43	510.95	3.8274+01	6.3691+00	2.0392-02	6.3691+00	2.0392-02	1.4299-02	3.2570-01	4.1259+05	5.1927-03	1.2590+00
44	507.18	3.0217+01	5.0316+00	1.6063-02	5.0316+00	1.6063-02	1.1263-02	2.5656-01	3.2500+05	4.0896-03	1.6500+00
45	494.04	1.7341+01	2.8895+00	9.1324-03	2.8895+00	9.1324-03	6.4036-03	1.4586-01	1.8477+05	2.3238-03	1.7720+00
46	490.67	1.2847+00	2.1747-01	6.8557-04	2.1747-01	6.8557-04	4.8072-04	1.0950-02	1.3871+04	1.7442-04	2.2400+00
47	498.47	8.4052-01	1.4512-01	4.6022-04	1.4512-01	4.6022-04	3.2271-04	7.3505-03	9.3116+03	1.1713-04	3.0250+00
48	482.95	1.8185+01	2.8812+00	9.0298-03	2.8812+00	9.0298-03	6.3317-03	1.4422-01	1.8270+05	2.2966-03	8.7000-01
49	490.48	1.3154+01	2.1537+00	6.7885-03	2.1537+00	6.7885-03	4.7601-03	1.0842-01	1.3735+05	1.7271-03	1.2590+00
50	492.75	1.2580+01	2.1007+00	6.6329-03	2.1007+00	6.6329-03	4.6510-03	1.0594-01	1.3420+05	1.6877-03	1.6500+00
51	487.84	8.7590+00	1.4580+00	4.5866-03	1.4580+00	4.5866-03	3.2161-03	7.3255-02	9.2799+04	1.1667-03	1.7720+00
52	484.10	1.6758+00	2.8415-01	8.9133-04	2.8415-01	8.9133-04	6.2499-04	1.4236-02	1.8034+04	2.2670-04	1.9200+00
53	492.54	1.1714+00	1.9854-01	6.2679-04	1.9854-01	6.2679-04	4.3950-04	1.0011-02	1.2682+04	1.5948-04	2.2400+00
54	497.03	1.2031+00	2.0450-01	6.4782-04	2.0450-01	6.4782-04	4.5425-04	1.0347-02	1.3107+04	1.6486-04	2.6360+00
55	501.65	1.3693+00	2.3345-01	7.4214-04	2.3345-01	7.4214-04	5.2038-04	1.1853-02	1.5016+04	1.8890-04	3.0250+00
56	504.59	1.5226+00	2.6238-01	8.3599-04	2.6238-01	8.3599-04	5.8619-04	1.3352-02	1.6914+04	2.1282-04	3.4150+00
57	523.65	5.2982+01	8.0447+00	2.6012-02	8.0447+00	2.6012-02	1.8240-02	4.1546-01	5.2630+05	6.6274-03	1.1570-01
58	493.77	3.0844+01	4.9524+00	1.5649-02	4.9524+00	1.5649-02	1.0973-02	2.4994-01	3.1662+05	3.9819-03	2.5000-01
59	485.08	2.4570+01	3.9474+00	1.2391-02	3.9474+00	1.2391-02	8.6888-03	1.9791-01	2.5071+05	3.1518-03	4.8300-01
60	486.78	1.8393+01	2.9582+00	9.2981-03	2.9582+00	9.2981-03	6.5198-03	1.4851-01	1.8813+05	2.3652-03	8.7000-01
61	493.31	1.1621+00	1.8887-01	5.9659-04	1.8887-01	5.9659-04	4.1833-04	9.5286-03	1.2071+04	1.5180-04	1.2590+00
62	496.30	1.4476+01	2.3646+00	7.4864-03	2.3646+00	7.4864-03	5.2494-03	1.1957-01	1.5147+05	1.9051-03	1.6500+00
63	488.56	9.5091+00	1.6075+00	5.0594-03	1.6075+00	5.0594-03	3.5477-03	8.0808-02	1.0237+05	1.2871-03	1.7720+00
64	489.28	1.1195+00	1.9271-01	6.0686-04	1.9271-01	6.0686-04	4.2553-04	9.6925-03	1.2278+04	1.5438-04	2.2400+00
65	500.80	8.8363-01	1.5369-01	4.8826-04	1.5369-01	4.8826-04	3.4236-04	7.7983-03	9.8789+03	1.2427-04	3.0250+00
66	525.43	5.4201+01	8.2388+00	2.6677-02	8.2388+00	2.6677-02	1.8706-02	4.2608-01	5.3975+05	6.7973-03	1.1570-01
67	495.26	3.0940+01	4.8322+00	1.5287-02	4.8322+00	1.5287-02	1.0719-02	2.4415-01	3.0929+05	3.8899-03	2.5000-01
68	489.64	2.5196+01	4.0599+00	1.2789-02	4.0599+00	1.2789-02	8.9674-03	2.0426-01	2.5875+05	3.2535-03	4.8300-01
69	494.49	1.9408+01	3.1371+00	9.9185-03	3.1371+00	9.9185-03	6.9548-03	1.5841-01	2.0068+05	2.5238-03	8.7000-01
70	497.85	1.6183+01	2.6706+00	8.4652-03	2.6706+00	8.4652-03	5.9357-03	1.3520-01	1.7127+05	2.1543-03	1.2590+00
71	497.95	1.4485+01	2.4198+00	7.6706-03	2.4198+00	7.6706-03	5.3786-03	1.2251-01	1.5520+05	1.9521-03	1.6500+00
72	491.34	9.3964+00	1.5960+00	5.0340-03	1.5960+00	5.0340-03	3.5298-03	8.0401-02	1.0185+05	1.2808-03	1.7720+00
73	482.44	1.8223+00	3.0956-01	9.6983-04	3.0956-01	9.6983-04	6.8004-04	1.5490-02	1.9622+04	2.4665-04	1.9200+00
74	488.64	1.0608+00	1.8199-01	5.7285-04	1.8199-01	5.7285-04	4.0168-04	9.1493-03	1.1590+04	1.4573-04	2.2400+00
75	498.45	9.2208-01	1.5920-01	5.0487-04	1.5920-01	5.0487-04	3.5401-04	8.0636-03	1.0215+04	1.2849-04	3.0250+00
76	501.45	8.4312-01	1.4628-01	4.6494-04	1.4628-01	4.6494-04	3.2602-04	7.4259-03	9.4071+03	1.1834-04	3.4150+00
77	490.35	8.9351-01	1.5077-01	4.7519-04	1.5077-01	4.7519-04	3.3320-04	7.5895-03	9.6144+03	1.2089-04	2.6360+00
78	480.84	9.3818-01	1.5920-01	4.9816-04	1.5920-01	4.9816-04	3.4931-04	7.9565-03	1.0079+04	1.2669-04	3.0250+00
79	477.33	9.3299-01	1.5842-01	4.9441-04	1.5842-01	4.9441-04	3.4668-04	7.8965-03	1.0003+04	1.2571-04	3.4150+00
80	497.37	1.1049+00	1.9064-01	6.0407-04	1.9064-01	6.0407-04	4.2357-04	9.6480-03	1.2222+04	1.5373-04	2.2400+00
81	491.86	9.1636-01	1.5478-01	4.8838-04	1.5478-01	4.8838-04	3.4245-04	7.8003-03	9.8814+03	1.2426-04	2.6360+00
82	483.22	9.4026-01	1.5840-01	4.9653-04	1.5840-01	4.9653-04	3.4816-04	7.9304-03	1.0046+04	1.2628-04	3.0250+00
83	479.93	9.5221-01	1.6149-01	5.0496-04	1.6149-01	5.0496-04	3.5408-04	8.0651-03	1.0217+04	1.2841-04	3.4150+00
401	541.17	6.3668+01	5.5794+00	1.8291-02	5.5794+00	1.8291-02	1.2826-02	2.9214-01	3.7008+05	4.6638-03	4.4500-01
403	536.71	4.8566+01	4.2444+00	1.3865-02	4.2444+00	1.3865-02	9.7223-03	2.2145-01	2.8053+05	3.5347-03	6.8600-01
404	519.26	3.5364+01	3.0574+00	9.8522-03	3.0574+00	9.8522-03	6.9083-03	1.5736-01	1.9934+05	2.5097-03	8.0100-01
405	514.04	3.9380+01	3.3934+00	1.0891-02	3.3934+00	1.0891-02	7.6366-03	1.7394-01	2.2035+05	2.7736-03	1.0510+00
406	591.71	-3.1154-03	-2.8128-04	-9.6059-07	-2.8128-04	-9.6059-07	-6.7356-07	-1.5342-05	-1.9435+01	-2.4549-07	1.1670+00
407	572.58	8.6397+01	7.8516+00	2.6397-02	7.8516+00	2.6397-02	1.8509-02	4.2160-01	5.3408+05	6.7401-03	1.2830+00
408	516.97	4.3260+01	3.7346+00	1.2013-02	3.7346+00	1.2013-02	8.4236-03	1.9187-01	2.4306+05	3.0598-03	5.1300-01
409	502.06	3.1655+01	2.7390+00	8.7101-03	2.7390+00	8.7101-03	6.1075-03	1.3911-01	1.7623+05	2.2171-03	5.7000-01
410	499.90	2.9365+01	2.5374+00	8.0557-03	2.5374+00	8.0557-03	5.6486-03	1.2866-01	1.6299+05	2.0503-03	6.2800-01
411	501.71	3.3269+01	2.8781+00	9.1497-03	2.8781+00	9.1497-03	6.4158-03	1.4614-01	1.8513+05	2.3289-03	6.8600-01
412	512.28	4.0438+01	3.5219+00	1.1288-02	3.5219+00	1.1288-02	7.9150-03	1.8029-01	2.2839+05	2.8745-03	7.4400-01
413	511.04	3.7863+01	3.2950+00	1.0551-02	3.2950+00	1.0551-02	7.3981-03	1.6851-01	2.1347+05	2.6866-03	8.0100-01
414	503.18	3.1369+01	2.6845+00	8.5439-03	2.6845+00	8.5439-03	5.9910-03	1.3646-01	1.7287+05	2.1749-03	8.5900-01
415	498.40	2.8697+01	2.4628+00	7.8099-03	2.4628+00	7.8099-03	5.4762-03	1.2474-01	1.5802+05	1.9876-03	9.1700-01
416	504.91	3.1446+01	2.6622+00	8.4843-03	2.6622+00	8.4843-03	5.9492-03	1.3551-01	1.7166+05	2.1599-03	5.7000-01
417	527.39	5.2756+01	4.6384+00	1.5042-02	4.6384+00	1.5042-02	1.0547-02	2.4025-01	3.0434+05	3.8331-03	1.0520+00

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160 4 11.91 -.09 .00 -.00 4C4 2 2.65 10.09 460.0 1737.2

8.45441+01 9.82308-03 7.00568-01 4.54768+C3 9.74824-06 6.84807-08 5.43101-02 7.72000+00 7.08169-06 7.46533-02

1	615.27	1.0146+02	1.8016+01	6.2748-02	1.8016+01	6.2748-02	4.3993-02	1.0022+00	1.2699+06	1.6058-02	.0000+00
2	542.71	5.6285+01	8.5886+00	2.8190-02	8.5886+00	2.8190-02	1.9764-02	4.5025-01	5.7051+05	7.1905-03	1.1570-01
3	507.18	3.0716+01	4.9745+00	1.5881-02	4.9745+00	1.5881-02	1.1134-02	2.5364-01	3.2139+05	4.0443-03	2.5000-01
4	501.67	2.4359+01	3.9557+00	1.2575-02	3.9557+00	1.2575-02	8.8165-03	2.0085-01	2.5449+05	3.2017-03	4.8300-01
5	497.47	1.9123+01	3.0874+00	9.7835-03	3.0874+00	9.7835-03	6.8592-03	1.5626-01	1.9800+05	2.4905-03	8.7000-01
6	485.33	1.6818+01	2.7444+00	8.6167-03	2.7444+00	8.6167-03	6.0412-03	1.3762-01	1.7438+05	2.1923-03	1.2590+00
7	484.84	1.4966+01	2.4340+00	7.6392-03	2.4340+00	7.6392-03	5.3559-03	1.2201-01	1.5460+05	1.9436-03	1.6500+00
8	486.48	1.0256+01	1.7313+00	5.4407-03	1.7313+00	5.4407-03	3.8144-03	8.6896-02	1.1011+05	1.3843-03	1.7720+00
9	485.13	1.6166+00	2.7672-01	8.6870-04	2.7672-01	8.6870-04	6.0904-04	1.3875-02	1.7580+04	2.2102-04	1.9200+00
10	495.63	1.0145+00	1.7639-01	5.5815-04	1.7639-01	5.5815-04	3.9132-04	8.9146-03	1.1296+04	1.4207-04	2.2400+00
11	491.97	8.7949-01	1.5387-01	4.8554-04	1.5387-01	4.8554-04	3.4041-04	7.7549-03	9.8263+03	1.2357-04	2.6360+00
12	485.43	9.2987-01	1.6153-01	5.0719-04	1.6153-01	5.0719-04	3.5559-04	8.1007-03	1.0264+04	1.2904-04	3.0250+00
13	483.09	9.8597-01	1.7101-01	5.3602-04	1.7101-01	5.3602-04	3.7580-04	8.5611-03	1.0848+04	1.3636-04	3.4150+00
14	549.50	5.7074+01	8.7747+00	2.8957-02	8.7747+00	2.8957-02	2.0302-02	4.6249-01	5.8602+05	7.3883-03	1.1570-01
15	503.12	3.0002+01	4.8766+00	1.5520-02	4.8766+00	1.5520-02	1.0881-02	2.4788-01	3.1409+05	3.9518-03	2.5000-01
16	494.79	2.3501+01	3.7640+00	1.1903-02	3.7640+00	1.1903-02	8.3452-03	1.9011-01	2.4089+05	3.0297-03	4.8300-01
17	487.06	1.7607+01	2.8323+00	8.9043-03	2.8323+00	8.9043-03	6.2428-03	1.4222-01	1.8020+05	2.2656-03	8.7000-01
18	482.21	1.6868+01	2.7301+00	8.5518-03	2.7301+00	8.5518-03	5.9956-03	1.3659-01	1.7307+05	2.1755-03	1.2590+00
19	487.57	1.4552+01	2.3855+00	7.5025-03	2.3855+00	7.5025-03	5.2600-03	1.1983-01	1.5183+05	1.9090-03	1.6500+00
20	486.93	8.1538+00	1.3851+00	4.3541-03	1.3851+00	4.3541-03	3.0526-03	6.9542-02	8.8116+04	1.1079-03	1.7720+00
21	483.91	1.9323+01	3.0633+00	9.6076-03	3.0633+00	9.6076-03	6.7359-03	1.5345-01	1.9444+05	2.4443-03	4.8300-01
22	481.94	1.8328+01	2.9660+00	9.2886-03	2.9660+00	9.2886-03	6.5122-03	1.4835-01	1.8798+05	2.3629-03	8.7000-01
23	474.53	1.3767+01	2.2238+00	6.9256-03	2.2238+00	6.9256-03	4.8555-03	1.1061-01	1.4016+05	1.7612-03	1.2590+00
24	486.34	1.2821+01	2.1128+00	6.6387-03	2.1128+00	6.6387-03	4.6544-03	1.0603-01	1.3435+05	1.6891-03	1.6500+00
25	487.82	8.7454+00	1.4601+00	4.5932-03	1.4601+00	4.5932-03	3.2202-03	7.3360-02	9.2955+04	1.1687-03	1.7720+00
26	488.30	1.3787+00	2.3648-01	7.4417-04	2.3648-01	7.4417-04	5.2173-04	1.1886-02	1.5060+04	1.8936-04	1.9200+00
27	491.64	1.0629+00	1.8271-01	5.7640-04	1.8271-01	5.7640-04	4.0411-04	9.2060-03	1.1665+04	1.4669-04	3.0250+00
28	485.74	1.4753+00	2.5263-01	7.9345-04	2.5263-01	7.9345-04	5.5629-04	1.2673-02	1.6058+04	2.0188-04	3.4150+00
29	520.92	4.9985+01	8.1910+00	2.6429-02	8.1910+00	2.6429-02	1.8529-02	4.2212-01	5.3487+05	6.7347-03	8.7000-01
30	501.28	3.8099+01	6.2432+00	1.9841-02	6.2432+00	1.9841-02	1.3911-02	3.1690-01	4.0154+05	5.0516-03	1.2590+00
31	507.10	2.9384+01	4.8778+00	1.5571-02	4.8778+00	1.5571-02	1.0917-02	2.4870-01	3.1513+05	3.9655-03	1.6500+00
32	491.95	1.4659+01	2.4540+00	7.7438-03	2.4540+00	7.7438-03	5.4291-03	1.2368-01	1.5672+05	1.9708-03	1.7720+00
33	490.70	1.1870+00	2.0035-01	6.3160-04	2.0035-01	6.3160-04	4.4281-04	1.0088-02	1.2782+04	1.6073-04	2.2400+00
34	491.34	7.4079-01	1.2545-01	3.9569-04	1.2545-01	3.9569-04	2.7742-04	6.3198-03	8.0079+03	1.0070-04	3.0250+00
35	501.43	3.3511+01	5.0173+00	1.5947-02	5.0173+00	1.5947-02	1.1181-02	2.5471-01	3.2274+05	4.0602-03	1.1570-01
37	502.37	3.0863+01	4.8735+00	1.5501-02	4.8735+00	1.5501-02	1.0868-02	2.4758-01	3.1371+05	3.9469-03	1.2500+00
38	479.28	3.3107+00	5.5791-01	1.7437-03	5.5791-01	1.7437-03	1.2225-03	2.7850-02	3.5289+04	4.4353-04	1.9200+00
39	490.00	2.9455+00	5.0431-01	1.5890-03	5.0431-01	1.5890-03	1.1140-03	2.5379-02	3.2158+04	4.0436-04	2.2400+00
40	497.58	1.7216+00	3.0055-01	9.5247-04	3.0055-01	9.5247-04	6.6777-04	1.5212-02	1.9276+04	2.4246-04	3.0250+00
41	497.25	1.5205+00	2.6309-01	8.3356-04	2.6309-01	8.3356-04	5.8440-04	1.3313-02	1.6869+04	2.1219-04	3.4150+00
42	537.54	5.2207+01	8.6706+00	2.8343-02	8.6706+00	2.8343-02	1.9871-02	4.5269-01	5.7360+05	7.2278-03	8.7000-01
43	520.53	3.8167+01	6.3896+00	2.0611-02	6.3896+00	2.0611-02	1.4450-02	3.2918-01	4.1711+05	5.2519-03	1.2590+00
44	514.68	2.9836+01	4.9918+00	1.6029-02	4.9918+00	1.6029-02	1.1238-02	2.5601-01	3.2439+05	4.0834-03	1.6500+00
45	498.38	1.7276+01	2.8867+00	9.1539-03	2.8867+00	9.1539-03	6.4178-03	1.4620-01	1.8525+05	2.3303-03	1.7720+00
46	491.01	1.3403+00	2.2693-01	7.1557-04	2.2693-01	7.1557-04	5.0168-04	1.1429-02	1.4481+04	1.8210-04	2.2400+00
47	498.70	8.7429-01	1.5098-01	4.7887-04	1.5098-01	4.7887-04	3.3573-04	7.6483-03	9.6911+03	1.2191-04	3.0250+00
48	487.45	1.7941+01	2.8509+00	8.9654-03	2.8509+00	8.9654-03	6.2856-03	1.4319-01	1.8144+05	2.2812-03	8.7000-01
49	493.78	1.3149+01	2.1576+00	6.8177-03	2.1576+00	6.8177-03	4.7799-03	1.0889-01	1.3797+05	1.7352-03	1.2590+00
50	495.88	1.2524+01	2.0956+00	6.6326-03	2.0956+00	6.6326-03	4.6501-03	1.0593-01	1.3423+05	1.6883-03	1.6500+00
51	490.02	8.6764+00	1.4463+00	4.5573-03	1.4463+00	4.5573-03	3.1951-03	7.2787-02	9.2229+04	1.1597-03	1.7720+00
52	484.53	1.6795+00	2.8485-01	8.9380-04	2.8485-01	8.9380-04	6.2664-04	1.4275-02	1.8088+04	2.2740-04	1.9200+00
53	492.84	1.1933+00	2.0228-01	6.3873-04	2.0228-01	6.3873-04	4.4781-04	1.0202-02	1.2926+04	1.6256-04	2.2400+00
54	497.32	1.2208+00	2.0755-01	6.5760-04	2.0755-01	6.5760-04	4.6104-04	1.0503-02	1.3308+04	1.6740-04	2.6360+00
55	502.00	1.3595+00	2.3182-01	7.3715-04	2.3182-01	7.3715-04	5.1681-04	1.1773-02	1.4918+04	1.8768-04	3.0250+00
56	504.97	1.5408+00	2.6558-01	8.4642-04	2.6558-01	8.4642-04	5.9342-04	1.3519-02	1.7130+04	2.1553-04	3.4150+00
57	536.91	5.2973+01	8.1095+00	2.6496-02	8.1095+00	2.6496-02	1.8576-02	4.2318-01	5.3622+05	6.7565-03	1.1570-01
58	501.46	3.0731+01	4.9588+00	1.5762-02	4.9588+00	1.5762-02	1.1050-02	2.5174-01	3.1898+05	4.0129-03	2.5000-01
59	491.18	2.4265+01	3.9138+00	1.2343-02	3.9138+00	1.2343-02	8.6537-03	1.9714-01	2.4980+05	3.1412-03	4.8300-01
60	491.37	1.8369+01	2.9632+00	9.3463-03	2.9632+00	9.3463-03	6.5527-03	1.4928-01	1.8915+05	2.3786-03	8.7000-01
61	493.59	1.1584+00	1.8831-01	5.9497-04	1.8831-01	5.9497-04	4.1713-04	9.5026-03	1.2041+04	1.5143-04	1.2590+00
62	499.91	1.4378+01	2.3540+00	7.4732-03	2.3540+00	7.4732-03	5.2395-03	1.1936-01	1.5124+05	1.9026-03	1.6500+00
63	490.94	9.4847+00	1.6058+00	5.0634-03	1.6058+00	5.0634-03	3.5499-03	8.0871-02	1.0247+05	1.2886-03	1.7720+00
64	489.57	1.1288+00	1.9435-01	6.1218-04	1.9435-01	6.1218-04	4.2920-04	9.7775-03	1.2389+04	1.5578-04	2.2400+00
65	501.01	8.2338-01	1.4323-01	4.5509-04	1.4323-01	4.5509-04	3.1907-04	7.2686-03	9.2101+03	1.1587-04	3.0250+00
66	538.97	5.4107+01	8.2936+00	2.7141-02	8.2936+00	2.7141-02	1.9029-02	4.3349-01	5.4928+05	6.9217-03	1.1570-01
67	502.97	3.0850+01	4.8422+00	1.5409-02	4.8422+00	1.5409-02	1.0803-02	2.4610-01	3.1184+05	3.9234-03	2.5000-01
68	495.91	2.5081+01	4.0579+00	1.2844-02	4.0579+00	1.2844-02	9.0046-03	2.0513-01	2.5992+05	3.2692-03	4.8300-01
69	499.32	1.9339+01	3.1358+00	9.9509-03	3.1358+00	9.9509-03	6.9765-03	1.5893-01	2.0138+05	2.5333-03	8.7000-01
70	501.88	1.6120+01	2.6670+00	8.4799-03	2.6670+00	8.4799-03	5.9452-03	1.3544-01	1.7161+05	2.1590-03	1.2590+00
71	501.58	1.4430+01	2.4162+00	7.6806-03	2.4162+00	7.6806-03	5.3848-03	1.2267-01	1.5544+05	1.9555-03	1.6500+00
72	493.65	9.6327+00	1.6386+00	5.1775-03	1.6386+00	5.1775-03	3.6299-03	8.2693-02	1.0478+05	1.3178-03	1.7720+00
73	482.90	1.9018+00	3.2316-01	1.0128-03	3.2316-01	1.0128-03	7.1007-04	1.6176-02	2.0497+04	2.5765-04	1.9200+00
74	488.92	1.0535+00	1.8078-01	5.6914-04	1.8078-01	5.6914-04	3.9902-04	9.0901-03	1.1518+04	1.4483-04	2.2400+00
75	498.67	9.1585-01	1.5815-01	5.0161-04	1.5815-01	5.0161-04	3.5168-04	8.0116-03	1.0151+04	1.2770-04	3.0250+00
76	501.66	8.4520-01	1.4666-01	4.6623-04	1.4666-01	4.6623-04	3.2687-04	7.4464-03	9.4353+03	1.1870-04	3.4150+00
77	490.57	8.2493-01	1.3922-01	4.3886-04	1.3922-01	4.3886-04	3.0768-04	7.0093-03	8.8815+03	1.1168-04	2.6360+00
78	481.07	9.6364-01	1.6355-01	5.1185-04	1.6355-01	5.1185-04	3.5886-04	8.1751-03	1.0359+04	1.3020-04	3.0250+00
79	477.54	9.4234-01	1.6003-01	4.9952-04	1.6003-01	4.9952-04	3.5021-04	7.9781-03	1.0109+04	1.2705-04	3.4150+00
80	497.64	1.0135+00	1.7490-01	5.5430-04	1.7490-01	5.5430-04	3.8862-04	8.8530-03	1.1218+04	1.4110-04	2.2400+00
81	492.08	9.4130-01	1.5902-01	5.0183-04	1.5902-01	5.0183-04	3.5183-04	8.0150-03	1.0156+04	1.2772-04	2.6360+00
82	483.46	9.1792-01	1.5466-01	4.8489-04	1.5466-01	4.8489-04	3.3996-04	7.7446-03	9.8131+03	1.2336-04	3.0250+00
83	480.17	9.1688-01	1.5552-01	4.8640-04	1.5552-01	4.8640-04	3.4101-04	7.7686-03	9.8435+03	1.2372-04	3.4150+00
401	557.21	6.3936+01	5.6573+00	1.8785-02	5.6573+00	1.8785-02	1.3170-02	3.0002-01	3.8016+05	4.7945-03	4.4500-01
403	548.51	4.6408+01	4.0850+00	1.3470-02	4.0850+00	1.3470-02	9.4439-03	2.1514-01	2.7261+05	3.4367-03	6.8600-01
404	527.98	3.4596+01	3.0073+00	9.7569-03	3.0073+00	9.7569-03	6.8405-03	1.5583-01	1.9746+05	2.4870-03	8.0100-01
405	523.97	3.9168+01	3.3962+00	1.0984-02	3.3962+00	1.0984-02	7.7010-03	1.7544-01	2.2230+05	2.7994-03	1.0510+00
406	591.71	-3.1142-03	-2.8117-04	-9.6022-07	-2.8117-04	-9.6022-07	-6.7321-07	-1.5336-05	-1.9433+01	-2.4547-07	1.1670+00
407	593.96	8.4235+01	7.7502+00	2.6517-02	7.7502+00	2.6517-02	1.8591-02	4.2352-01	5.3664+05	6.7794-03	1.2830+00
408	527.97	4.4483+01	3.8667+00	1.2545-02	3.8667+00	1.2545-02	8.7954-03	2.0037-01	2.5389+05	3.1978-03	5.1300-01
409	510.22	3.3270+01	2.8939+00	9.2603-03	2.8939+00	9.2603-03	6.4923-03	1.4790-01	1.8741+05	2.3586-03	5.7000-01
410	507.50	3.0967+01	2.6888+00	8.5862-03	2.6888+00	8.5862-03	6.0198-03	1.3714-01	1.7377+05	2.1867-03	6.2800-01
411	510.30	3.4684+01	3.0170+00	9.6548-03	3.0170+00	9.6548-03	6.7690-03	1.5420-01	1.9539+05	2.4591-03	6.8600-01
412	522.51	4.0886+01	3.5838+00	1.1578-02	3.5838+00	1.1578-02	8.1173-03	1.8492-01	2.3431+05	2.9505-03	7.4400-01
413	520.49	3.7618+01	3.2933+00	1.0622-02	3.2933+00	1.0622-02	7.4474-03	1.6966-01	2.1497+05	2.7068-03	8.0100-01
414	511.09	3.1614+01	2.7191+00	8.7069-03	2.7191+00	8.7069-03	6.1044-03	1.3906-01	1.7621+05	2.2177-03	8.5900-01
415	505.64	2.8938+01	2.4950+00	7.9559-03	2.4950+00	7.9559-03	5.5779-03	1.2707-01	1.6101+05	2.0260-03	9.1700-01
416	513.00	3.3069+01	2.8140+00	9.0241-03	2.8140+00	9.0241-03	6.3268-03	1.4413-01	1.8263+05	2.2987-03	5.7000-01
417	540.49	5.1788+01	4.5901+00	1.5039-02	4.5901+00	1.5039-02	1.0544-02	2.4020-01	3.0436+05	3.8357-03	1.0520+00

160 4 11.91 -.09 .00 -.00 404 2 3.15 10.09 460.0 1736.8

8.45261+01 9.82338-03 7.00590-01 4.54720+03 9.75062-06 6.84661-08 5.43292-02 7.72000+00 7.07998-06 7.46554-02

1	663.70	9.2300+01	1.6823+01	6.1085-02	1.6823+01	6.1085-02	4.2820-02	9.7562-01	1.2365+06	1.5677-02	.0000+00
2	570.67	5.5258+01	8.5740+00	2.8776-02	8.5740+00	2.8776-02	2.0172-02	4.5960-01	5.8250+05	7.3525-03	1.1570-01
3	522.32	3.0160+01	4.9312+00	1.5926-02	4.9312+00	1.5926-02	1.1164-02	2.5436-01	3.2238+05	4.0603-03	2.5000-01
4	513.78	2.4031+01	3.9326+00	1.2617-02	3.9326+00	1.2617-02	8.8445-03	2.0151-01	2.5540+05	3.2155-03	4.8300-01
5	507.01	1.9034+01	3.0919+00	9.8681-03	3.0919+00	9.8681-03	6.9175-03	1.5761-01	1.9976+05	2.5141-03	8.7000-01
6	493.69	1.6718+01	2.7431+00	8.6660-03	2.7431+00	8.6660-03	6.0749-03	1.3841-01	1.7542+05	2.2066-03	1.2590+00
7	492.27	1.4841+01	2.4253+00	7.6539-03	2.4253+00	7.6539-03	5.3654-03	1.2225-01	1.5494+05	1.9488-03	1.6500+00
8	491.53	1.0081+01	1.7074+00	5.3852-03	1.7074+00	5.3852-03	3.7750-03	8.6010-02	1.0901+05	1.3711-03	1.7720+00
9	485.98	1.7590+00	3.0125-01	9.4617-04	3.0125-01	9.4617-04	6.6327-04	1.5112-02	1.9153+04	2.4084-04	1.9200+00
10	496.15	9.8753-01	1.7175-01	5.4360-04	1.7175-01	5.4360-04	3.8107-04	8.6822-03	1.1004+04	1.3843-04	2.2400+00
11	492.46	1.0291+00	1.8010-01	5.6844-04	1.8010-01	5.6844-04	3.9848-04	9.0790-03	1.1507+04	1.4473-04	2.6360+00
12	485.90	9.5169-01	1.6537-01	5.1935-04	1.6537-01	5.1935-04	3.6407-04	8.2949-03	1.0513+04	1.3220-04	3.0250+00
13	483.55	9.0338-01	1.5673-01	4.9136-04	1.5673-01	4.9136-04	3.4444-04	7.8478-03	9.9464+03	1.2506-04	3.4150+00
14	577.76	5.5829+01	8.7282+00	2.9463-02	8.7282+00	2.9463-02	2.0654-02	4.7057-01	5.9641+05	7.5304-03	1.1570-01
15	518.08	2.9777+01	4.8861+00	1.5728-02	4.8861+00	1.5728-02	1.1026-02	2.5121-01	3.1838+05	4.0092-03	2.5000-01
16	506.38	2.2930+01	3.7000+00	1.1803-02	3.7000+00	1.1803-02	8.2741-03	1.8852-01	2.3893+05	3.0071-03	4.8300-01
17	495.87	1.7599+01	2.8473+00	9.0102-03	2.8473+00	9.0102-03	6.3162-03	1.4391-01	1.8239+05	2.2945-03	8.7000-01
18	490.58	1.6666+01	2.7122+00	8.5483-03	2.7122+00	8.5483-03	5.9924-03	1.3653-01	1.7304+05	2.1763-03	1.2590+00
19	494.81	1.4471+01	2.3834+00	7.5360-03	2.3834+00	7.5360-03	5.2827-03	1.2036-01	1.5255+05	1.9190-03	1.6500+00
20	491.01	8.1948+00	1.3958+00	4.4006-03	1.3958+00	4.4006-03	3.0848-03	7.0284-02	8.9079+04	1.1204-03	1.7720+00
21	493.71	1.9919+01	3.1780+00	1.0040-02	3.1780+00	1.0040-02	7.0382-03	1.6036-01	2.0324+05	2.5565-03	4.8300-01
22	491.06	1.8157+01	2.9558+00	9.3194-03	2.9558+00	9.3194-03	6.5329-03	1.4885-01	1.8865+05	2.3727-03	8.7000-01
23	481.33	1.3515+01	2.1929+00	6.8633-03	2.1929+00	6.8633-03	4.8112-03	1.0962-01	1.3893+05	1.7466-03	1.2590+00
24	492.68	1.2518+01	2.0714+00	6.5391-03	2.0714+00	6.5391-03	4.5839-03	1.0444-01	1.3237+05	1.6649-03	1.6500+00
25	492.12	8.4909+00	1.4216+00	4.4858-03	1.4216+00	4.4858-03	3.1446-03	7.1646-02	9.0805+04	1.1421-03	1.7720+00
26	489.00	1.4608+00	2.5068-01	7.8913-04	2.5068-01	7.8913-04	5.5318-04	1.2604-02	1.5974+04	2.0089-04	1.9200+00
27	492.23	1.1423+00	1.9644-01	6.1992-04	1.9644-01	6.1992-04	4.3456-04	9.9011-03	1.2549+04	1.5784-04	3.0250+00
28	486.48	1.5735+00	2.6958-01	8.4701-04	2.6958-01	8.4701-04	5.9376-04	1.3528-02	1.7146+04	2.1560-04	3.4150+00
29	544.92	4.6260+01	7.6936+00	2.5293-02	7.6936+00	2.5293-02	1.7730-02	4.0397-01	5.1199+05	6.4549-03	8.7000-01
30	520.35	3.7873+01	6.2816+00	2.0256-02	6.2816+00	2.0256-02	1.4200-02	3.2353-01	4.1004+05	5.1638-03	1.2590+00
31	521.58	2.8681+01	4.8047+00	1.5509-02	4.8047+00	1.5509-02	1.0872-02	2.4770-01	3.1393+05	3.9537-03	1.6500+00
32	499.27	1.4643+01	2.4630+00	7.8144-03	2.4630+00	7.8144-03	5.4779-03	1.2481-01	1.5818+05	1.9902-03	1.7720+00
33	491.29	1.2764+00	2.1551-01	6.7960-04	2.1551-01	6.7960-04	4.7640-04	1.0854-02	1.3757+04	1.7303-04	2.2400+00
34	491.76	8.5351-01	1.4458-01	4.5610-04	1.4458-01	4.5610-04	3.1973-04	7.2847-03	9.2327+03	1.1613-04	3.0250+00
35	518.30	3.3698+01	5.0996+00	1.6418-02	5.0996+00	1.6418-02	1.1509-02	2.6223-01	3.3235+05	4.1851-03	1.1570-01
37	517.73	3.0555+01	4.8721+00	1.5679-02	4.8721+00	1.5679-02	1.0991-02	2.5042-01	3.1739+05	3.9965-03	1.2500+00
38	481.01	3.5740+00	6.0299-01	1.8868-03	6.0299-01	1.8868-03	1.3226-03	3.0135-02	3.8193+04	4.8016-04	1.9200+00
39	491.52	3.1912+00	5.4692-01	1.7250-03	5.4692-01	1.7250-03	1.2092-03	2.7551-02	3.4918+04	4.3919-04	2.2400+00
40	498.43	1.7652+00	3.0834-01	9.7763-04	3.0834-01	9.7763-04	6.8532-04	1.5614-02	1.9790+04	2.4898-04	3.0250+00
41	498.02	1.5314+00	2.6511-01	8.4032-04	2.6511-01	8.4032-04	5.8906-04	1.3421-02	1.7010+04	2.1401-04	3.4150+00
42	562.34	4.7463+01	8.0015+00	2.6674-02	8.0015+00	2.6674-02	1.8699-02	4.2603-01	5.3996+05	6.8128-03	8.7000-01
43	539.47	3.7353+01	6.3270+00	2.0711-02	6.3270+00	2.0711-02	1.4518-02	3.3079-01	4.1924+05	5.2842-03	1.2590+00
44	529.39	2.9097+01	4.9131+00	1.5955-02	4.9131+00	1.5955-02	1.1185-02	2.5483-01	3.2298+05	4.0691-03	1.6500+00
45	506.97	1.7169+01	2.8848+00	9.2067-03	2.8848+00	9.2067-03	6.4539-03	1.4705-01	1.8637+05	2.3456-03	1.7720+00
46	491.68	1.3481+00	2.2835-01	7.2030-04	2.2835-01	7.2030-04	5.0493-04	1.1504-02	1.4581+04	1.8339-04	2.2400+00
47	499.12	9.0130-01	1.5568-01	4.9388-04	1.5568-01	4.9388-04	3.4621-04	7.8881-03	9.9974+03	1.2578-04	3.0250+00
48	496.43	1.8015+01	2.8793+00	9.1155-03	2.8793+00	9.1155-03	6.3900-03	1.4559-01	1.8452+05	2.3213-03	8.7000-01
49	500.34	1.3109+01	2.1600+00	6.8588-03	2.1600+00	6.8588-03	4.8080-03	1.0955-01	1.3884+05	1.7469-03	1.2590+00
50	502.09	1.2365+01	2.0773+00	6.6048-03	2.0773+00	6.6048-03	4.6300-03	1.0549-01	1.3370+05	1.6824-03	1.6500+00
51	494.32	8.5366+00	1.4270+00	4.5104-03	1.4270+00	4.5104-03	3.1618-03	7.2039-02	9.1303+04	1.1485-03	1.7720+00
52	485.38	1.8016+00	3.0572-01	9.5977-04	3.0572-01	9.5977-04	6.7280-04	1.5329-02	1.9428+04	2.4429-04	1.9200+00
53	493.46	1.2462+00	2.1134-01	6.6757-04	2.1134-01	6.6757-04	4.6797-04	1.0662-02	1.3513+04	1.6998-04	2.2400+00
54	497.92	1.2358+00	2.1019-01	6.6618-04	2.1019-01	6.6618-04	4.6699-04	1.0640-02	1.3485+04	1.6966-04	2.6360+00
55	502.67	1.3761+00	2.3476-01	7.4676-04	2.3476-01	7.4676-04	5.2348-04	1.1927-02	1.5116+04	1.9022-04	3.0250+00
56	505.74	1.5984+00	2.7565-01	8.7891-04	2.7565-01	8.7891-04	6.1612-04	1.4038-02	1.7791+04	2.2391-04	3.4150+00
57	563.35	5.2673+01	8.1931+00	2.7335-02	8.1931+00	2.7335-02	1.9162-02	4.3659-01	5.5333+05	6.9819-03	1.1570-01
58	516.00	3.0503+01	4.9700+00	1.5983-02	4.9700+00	1.5983-02	1.1204-02	2.5527-01	3.2353+05	4.0737-03	2.5000-01
59	503.19	2.3850+01	3.8768+00	1.2337-02	3.8768+00	1.2337-02	8.6482-03	1.9704-01	2.4973+05	3.1426-03	4.8300-01
60	500.54	1.8356+01	2.9788+00	9.4599-03	2.9788+00	9.4599-03	6.6314-03	1.5109-01	1.9149+05	2.4095-03	8.7000-01
61	494.19	1.2057+00	1.9607-01	6.1967-04	1.9607-01	6.1967-04	4.3439-04	9.8971-03	1.2544+04	1.5779-04	1.2590+00
62	507.11	1.4450+01	2.3767+00	7.5861-03	2.3767+00	7.5861-03	5.3178-03	1.2116-01	1.5356+05	1.9328-03	1.6500+00
63	495.62	9.3361+00	1.5855+00	5.0163-03	1.5855+00	5.0163-03	3.5164-03	8.0119-02	1.0154+05	1.2774-03	1.7720+00
64	490.10	1.1075+00	1.9075-01	6.0098-04	1.9075-01	6.0098-04	4.2129-04	9.5987-03	1.2165+04	1.5300-04	2.2400+00
65	501.45	9.2468-01	1.6090-01	5.1132-04	1.6090-01	5.1132-04	3.5844-04	8.1667-03	1.0351+04	1.3024-04	3.0250+00
66	565.95	5.3616+01	8.3525+00	2.7926-02	8.3525+00	2.7926-02	1.9576-02	4.4602-01	5.6529+05	7.1336-03	1.1570-01
67	518.36	3.0609+01	4.8513+00	1.5620-02	4.8513+00	1.5620-02	1.0950-02	2.4947-01	3.1619+05	3.9815-03	2.5000-01
68	508.38	2.4848+01	4.0524+00	1.2947-02	4.0524+00	1.2947-02	9.0760-03	2.0679-01	2.6209+05	3.2988-03	4.8300-01
69	508.95	1.9157+01	3.1254+00	9.9899-03	3.1254+00	9.9899-03	7.0029-03	1.5956-01	2.0222+05	2.5454-03	8.7000-01
70	509.94	1.6082+01	2.6745+00	8.5551-03	2.6745+00	8.5551-03	5.9971-03	1.3664-01	1.7318+05	2.1799-03	1.2590+00
71	508.75	1.4313+01	2.4076+00	7.6944-03	2.4076+00	7.6944-03	5.3938-03	1.2289-01	1.5575+05	1.9605-03	1.6500+00
72	498.63	1.0036+01	1.7128+00	5.4315-03	1.7128+00	5.4315-03	3.8075-03	8.6751-02	1.0995+05	1.3833-03	1.7720+00
73	483.88	1.9325+00	3.2858-01	1.0304-03	3.2858-01	1.0304-03	7.2229-04	1.6457-02	2.0857+04	2.6225-04	1.9200+00
74	489.45	1.0691+00	1.8351-01	5.7790-04	1.8351-01	5.7790-04	4.0511-04	9.2300-03	1.1698+04	1.4712-04	2.2400+00
75	499.10	8.5195-01	1.4716-01	4.6683-04	1.4716-01	4.6683-04	3.2725-04	7.4560-03	9.4498+03	1.1889-04	3.0250+00
76	502.09	8.9143-01	1.5472-01	4.9195-04	1.5472-01	4.9195-04	3.4486-04	7.8573-03	9.9584+03	1.2531-04	3.4150+00
77	490.94	8.6338-01	1.4574-01	4.5948-04	1.4574-01	4.5948-04	3.2210-04	7.3387-03	9.3011+03	1.1698-04	2.6360+00
78	481.55	9.6468-01	1.6377-01	5.1267-04	1.6377-01	5.1267-04	3.5938-04	8.1882-03	1.0378+04	1.3047-04	3.0250+00
79	478.06	1.0047+00	1.7067-01	5.3287-04	1.7067-01	5.3287-04	3.7354-04	8.5108-03	1.0787+04	1.3559-04	3.4150+00
80	498.09	9.8805-01	1.7056-01	5.4064-04	1.7056-01	5.4064-04	3.7899-04	8.6349-03	1.0944+04	1.3769-04	2.2400+00
81	492.54	9.0857-01	1.5353-01	4.8462-04	1.5353-01	4.8462-04	3.3972-04	7.7402-03	9.8099+03	1.2339-04	2.6360+00
82	483.90	9.1688-01	1.5453-01	4.8458-04	1.5453-01	4.8458-04	3.3969-04	7.7395-03	9.8091+03	1.2333-04	3.0250+00
83	480.60	8.9558-01	1.5195-01	4.7532-04	1.5195-01	4.7532-04	3.3320-04	7.5916-03	9.6216+03	1.2096-04	3.4150+00
401	589.08	6.3128+01	5.6910+00	1.9390-02	5.6910+00	1.9390-02	1.3592-02	3.0969-01	3.9250+05	4.9584-03	4.4500-01
403	570.83	4.3236+01	3.8567+00	1.2945-02	3.8567+00	1.2945-02	9.0748-03	2.0676-01	2.6205+05	3.3077-03	6.8600-01
404	544.93	3.3428+01	2.9360+00	9.6524-03	2.9360+00	9.6524-03	6.7663-03	1.5416-01	1.9539+05	2.4633-03	8.0100-01
405	543.18	3.7505+01	3.2907+00	1.0803-02	3.2907+00	1.0803-02	7.5731-03	1.7255-01	2.1869+05	2.7568-03	1.0510+00
406	591.72	-5.1948-04	-4.6902-05	-1.6015-07	-4.6902-05	-1.6015-07	-1.1227-07	-2.5579-06	-3.2419+00	-4.0959-08	1.1670+00
407	634.90	7.9383+01	7.4719+00	2.6459-02	7.4719+00	2.6459-02	1.8548-02	4.2259-01	5.3559+05	6.7808-03	1.2830+00
408	550.72	4.6377+01	4.0877+00	1.3501-02	4.0877+00	1.3501-02	9.4640-03	2.1563-01	2.7329+05	3.4463-03	5.1300-01
409	527.55	3.5714+01	3.1404+00	1.0184-02	3.1404+00	1.0184-02	7.1388-03	1.6265-01	2.0615+05	2.5969-03	5.7000-01
410	523.66	3.3317+01	2.9225+00	9.4485-03	2.9225+00	9.4485-03	6.6234-03	1.5091-01	1.9126+05	2.4090-03	6.2800-01
411	528.18	3.6326+01	3.1954+00	1.0367-02	3.1954+00	1.0367-02	7.2675-03	1.6558-01	2.0986+05	2.6438-03	6.8600-01
412	543.07	4.1011+01	3.6406+00	1.1951-02	3.6406+00	1.1951-02	8.3778-03	1.9088-01	2.4192+05	3.0498-03	7.4400-01
413	539.14	3.6966+01	3.2737+00	1.0713-02	3.2737+00	1.0713-02	7.5099-03	1.7111-01	2.1686+05	2.7333-03	8.0100-01
414	526.91	3.1598+01	2.7448+00	8.8966-03	2.7448+00	8.8966-03	6.2365-03	1.4209-01	1.8009+05	2.2686-03	8.5900-01
415	520.13	2.8879+01	2.5129+00	8.1018-03	2.5129+00	8.1018-03	5.6794-03	1.2940-01	1.6400+05	2.0653-03	9.1700-01
416	530.26	3.5701+01	3.0709+00	9.9796-03	3.0709+00	9.9796-03	6.9957-03	1.5939-01	2.0201+05	2.5452-03	5.7000-01
417	565.85	4.9449+01	4.4500+00	1.4877-02	4.4500+00	1.4877-02	1.0429-02	2.3761-01	3.0115+05	3.8003-03	1.0520+00

[redacted]

161 4 6.90 -5.10 .00 -.00 404 2 1.85 10.09 459.5 1719.4

8.36080+01 9.82868-03 7.00957-01 4.52240+03 9.86301-06 6.77225-08 5.52559-02 7.72000+00 6.99276-06 7.47655-02

1	521.80	1.1415+02	1.9184+01	6.2956-02	1.9184+01	6.2956-02	4.3869-02	9.9589-01	1.2903+06	1.6019-02	.0000+00	
2	492.41	6.5454+01	9.6772+00	3.1036-02	9.6772+00	3.1036-02	2.1626-02	4.9095-01	6.3608+05	7.8868-03	1.1570-01	
3	471.88	3.8702+01	6.1254+00	1.9339-02	6.1254+00	1.9339-02	1.3475-02	3.0591-01	3.9635+05	4.9160-03	2.5000-01	
4	462.15	3.0802+01	4.8737+00	1.5274-02	4.8737+00	1.5274-02	1.0643-02	2.4162-01	3.1304+05	3.8764-03	4.8300-01	
5	453.68	2.4372+01	3.8224+00	1.1903-02	3.8224+00	1.1903-02	8.2943-03	1.8829-01	2.4396+05	3.0199-03	8.7000-01	
6	449.31	2.0601+01	3.2815+00	1.0186-02	3.2815+00	1.0186-02	7.0975-03	1.6112-01	2.0876+05	2.5837-03	1.2590+00	
7	449.45	1.8172+01	2.8862+00	8.9594-03	2.8862+00	8.9594-03	6.2430-03	1.4173-01	1.8362+05	2.2726-03	1.6500+00	
8	449.97	1.2934+01	2.1368+00	6.6171-03	2.1368+00	6.6171-03	4.6109-03	1.0467-01	1.3562+05	1.6785-03	1.7720+00	
9	450.40	2.5397+00	4.2474-01	1.3194-03	4.2474-01	1.3194-03	9.1940-04	2.0872-02	2.7042+04	3.3470-04	1.9200+00	
10	462.34	1.8203+00	3.0959-01	9.7037-04	3.0959-01	9.7037-04	6.7617-04	1.5350-02	1.9888+04	2.4628-04	2.2400+00	
11	458.17	1.7740+00	3.0349-01	9.4828-04	3.0349-01	9.4828-04	6.6078-04	1.5001-02	1.9435+04	2.4063-04	2.6360+00	
12	456.56	1.7522+00	2.9857-01	9.3178-04	2.9857-01	9.3178-04	6.4928-04	1.4740-02	1.9097+04	2.3642-04	3.0250+00	
13	462.79	1.6836+00	2.8810-01	9.0332-04	2.8810-01	9.0332-04	6.2944-04	1.4289-02	1.8514+04	2.2926-04	3.4150+00	
14	498.85	6.4150+01	9.5563+00	3.0801-02	9.5563+00	3.0801-02	2.1463-02	4.8724-01	6.3127+05	7.8294-03	1.1570-01	
15	469.92	3.5340+01	5.6209+00	1.7719-02	5.6209+00	1.7719-02	1.2347-02	2.8030-01	3.6316+05	4.4986-03	2.5000-01	
16	461.00	2.8463+01	4.4581+00	1.3959-02	4.4581+00	1.3959-02	9.7271-03	2.2082-01	2.8610+05	3.5426-03	4.8300-01	
17	453.46	2.1233+01	3.3399+00	1.0399-02	3.3399+00	1.0399-02	7.2461-03	1.6450-01	2.1313+05	2.6382-03	8.7000-01	
18	450.14	1.9462+01	3.0829+00	9.5749-03	3.0829+00	9.5749-03	6.6719-03	1.5146-01	1.9624+05	2.4288-03	1.2590+00	
19	450.89	1.7025+01	2.7232+00	8.4628-03	2.7232+00	8.4628-03	5.8970-03	1.3387-01	1.7344+05	2.1468-03	1.6500+00	
20	449.58	9.3543+00	1.5498+00	4.8114-03	1.5498+00	4.8114-03	3.3527-03	7.6111-02	9.8611+04	1.2205-03	1.7720+00	
21	458.65	2.2414+01	3.4939+00	1.0921-02	3.4939+00	1.0921-02	7.6099-03	1.7276-01	2.2383+05	2.7713-03	4.8300-01	
22	454.89	2.0692+01	3.2885+00	1.0250-02	3.2885+00	1.0250-02	7.1423-03	1.6214-01	2.1007+05	2.6006-03	8.7000-01	
23	451.58	1.8281+01	2.9076+00	9.0404-03	2.9076+00	9.0404-03	6.2995-03	1.4301-01	1.8528+05	2.2934-03	1.2590+00	
24	454.26	1.6660+01	2.6873+00	8.3721-03	2.6873+00	8.3721-03	5.8338-03	1.3244-01	1.7159+05	2.1241-03	1.6500+00	
25	454.04	1.1301+01	1.8448+00	5.7466-03	1.8448+00	5.7466-03	4.0043-03	9.0904-02	1.1778+05	1.4579-03	1.7720+00	
26	459.70	1.9756+00	3.3249-01	1.0401-03	3.3249-01	1.0401-03	7.2474-04	1.6453-02	2.1317+04	2.6394-04	1.9200+00	
27	463.43	1.5236+00	2.5707-01	8.0643-04	2.5707-01	8.0643-04	5.6193-04	1.2757-02	1.6528+04	2.0468-04	3.0250+00	
28	472.61	1.2774+00	2.1686-01	6.8501-04	2.1686-01	6.8501-04	4.7733-04	1.0836-02	1.4039+04	1.7393-04	3.4150+00	
29	456.61	2.3501+01	3.6931+00	1.1526-02	3.6931+00	1.1526-02	8.0314-03	1.8232-01	2.3622+05	2.9245-03	8.7000-01	
30	451.75	1.4260+01	2.2613+00	7.0318-03	2.2613+00	7.0318-03	4.8999-03	1.1124-01	1.4412+05	1.7839-03	1.2590+00	
31	455.69	1.5452+01	2.4798+00	7.7340-03	2.4798+00	7.7340-03	5.3892-03	1.2234-01	1.5851+05	1.9623-03	1.6500+00	
32	457.43	1.0762+01	1.7609+00	5.4989-03	1.7609+00	5.4989-03	3.8317-03	8.6987-02	1.1270+05	1.3953-03	1.7720+00	
33	471.57	1.4769+00	2.4615-01	7.7694-04	2.4615-01	7.7694-04	5.4138-04	1.2290-02	1.5923+04	1.9726-04	2.2400+00	
34	471.61	1.0161+00	1.6986-01	5.3616-04	1.6986-01	5.3616-04	3.7360-04	8.4814-03	1.0989+04	1.3613-04	3.0250+00	
35	470.45	3.9967+01	5.8639+00	1.8493-02	5.8639+00	1.8493-02	1.2886-02	2.9253-01	3.7901+05	4.6950-03	1.1570-01	
36	469.01	3.0796+01	4.7561+00	1.4989-02	4.7561+00	1.4989-02	1.0444-02	2.3711-01	3.0720+05	3.8052-03	1.2500+00	
37	463.43	2.4821+00	4.1389-01	1.2983-03	4.1389-01	1.2983-03	9.0471-04	2.0538-02	2.6610+04	3.2953-04	1.9200+00	
38	474.12	2.2462+00	3.8060-01	1.2036-03	3.8060-01	1.2036-03	8.3870-04	1.9040-02	2.4668+04	3.0563-04	2.2400+00	
39	475.29	1.9169+00	3.2981-01	1.0439-03	3.2981-01	1.0439-03	7.2743-04	1.6514-02	2.1396+04	2.6509-04	3.0250+00	
40	473.67	1.2935+00	2.2039-01	6.9673-04	2.2039-01	6.9673-04	4.8549-04	1.1021-02	1.4280+04	1.7691-04	3.4150+00	
41	489.68	6.6719+01	1.0751+01	3.4407-02	1.0751+01	3.4407-02	2.3975-02	5.4428-01	7.0518+05	8.7425-03	8.7000-01	
42	490.53	7.1078+01	1.1674+01	3.7386-02	1.1674+01	3.7386-02	2.6051-02	5.9139-01	7.6622+05	9.4996-03	1.2590+00	
43	476.08	4.4679+01	7.2912+00	2.3093-02	7.2912+00	2.3093-02	1.6091-02	3.6530-01	4.7329+05	5.8642-03	1.6500+00	
44	470.01	2.4808+01	4.0690+00	1.2828-02	4.0690+00	1.2828-02	8.9388-03	2.0292-01	2.6291+05	3.2568-03	1.7720+00	
45	482.73	1.1174+00	1.8818-01	5.9903-04	1.8818-01	5.9903-04	4.1741-04	9.4759-03	1.2277+04	1.5216-04	2.2400+00	
46	478.15	2.5714+00	4.3814-01	1.3899-03	4.3814-01	1.3899-03	9.6848-04	2.1986-02	2.8486+04	3.5298-04	3.0250+00	
47	456.47	1.8401+01	2.8642+00	8.9380-03	2.8642+00	8.9380-03	6.2281-03	1.4139-01	1.8319+05	2.2679-03	8.7000-01	
48	449.36	1.3429+01	2.1393+00	6.6403-03	2.1393+00	6.6403-03	4.6271-03	1.0504-01	1.3609+05	1.6844-03	1.2590+00	
49	460.05	2.3654+01	3.8655+00	1.2095-02	3.8655+00	1.2095-02	8.4279-03	1.9133-01	2.4789+05	3.0694-03	1.6500+00	
50	462.10	1.4758+01	2.4150+00	7.5683-03	2.4150+00	7.5683-03	5.2737-03	1.1972-01	1.5511+05	1.9208-03	1.7720+00	
51	468.60	2.2073+00	3.7043-01	1.1666-03	3.7043-01	1.1666-03	8.1289-04	1.8454-02	2.3909+04	2.9615-04	1.9200+00	
52	483.68	2.0468+00	3.4490-01	1.0987-03	3.4490-01	1.0987-03	7.6560-04	1.7380-02	2.2518+04	2.7910-04	2.2400+00	
53	479.84	1.4130+00	2.3750-01	7.5438-04	2.3750-01	7.5438-04	5.2566-04	1.1933-02	1.5461+04	1.9160-04	2.6360+00	
54	476.25	1.0395+00	1.7431-01	5.5213-04	1.7431-01	5.5213-04	3.8473-04	8.7340-03	1.1316+04	1.4021-04	3.0250+00	
55	472.82	8.6234-01	1.4556-01	4.5987-04	1.4556-01	4.5987-04	3.2044-04	7.2746-03	9.4250+03	1.1676-04	3.4150+00	
56	481.79	4.6565+01	6.8835+00	2.1896-02	6.8835+00	2.1896-02	1.5258-02	3.4637-01	4.4877+05	5.5618-03	1.1570-01	
57	462.68	2.6164+01	4.1155+00	1.2903-02	4.1155+00	1.2903-02	8.9909-03	2.0411-01	2.6444+05	3.2747-03	2.5000-01	
58	454.00	1.9686+01	3.0976+00	9.6486-03	3.0976+00	9.6486-03	6.7232-03	1.5263-01	1.9775+05	2.4479-03	4.8300-01	
59	452.62	1.7851+01	2.8063+00	8.7320-03	2.8063+00	8.7320-03	6.0846-03	1.3813-01	1.7896+05	2.2153-03	8.7000-01	
60	467.45	1.5361+00	2.4544-01	7.7228-04	2.4544-01	7.7228-04	5.3813-04	1.2216-02	1.5828+04	1.9604-04	1.2590+00	
61	447.04	1.2794+01	2.0223+00	6.2665-03	2.0223+00	6.2665-03	4.3666-03	9.9129-02	1.2843+05	1.5894-03	1.6500+00	
62	449.91	8.5621+00	1.4105+00	4.3800-03	1.4105+00	4.3800-03	3.0521-03	6.9287-02	8.9769+04	1.1111-03	1.7720+00	
63	475.47	6.9818-01	1.1910-01	3.7703-04	1.1910-01	3.7703-04	2.6272-04	5.9641-03	7.7272+03	9.5741-05	2.2400+00	
64	475.14	1.0447+00	1.7868-01	5.6552-04	1.7868-01	5.6552-04	3.9406-04	8.9458-03	1.1590+04	1.4360-04	3.0250+00	
65	480.67	4.5654+01	6.7437+00	2.1434-02	6.7437+00	2.1434-02	1.4935-02	3.3905-01	4.3928+05	5.4440-03	1.1570-01	
66	460.59	2.4831+01	3.7903+00	1.1865-02	3.7903+00	1.1865-02	8.2675-03	1.8769-01	2.4317+05	3.0110-03	2.5000-01	
67	451.05	1.9507+01	3.0633+00	9.5207-03	3.0633+00	9.5207-03	6.6342-03	1.5061-01	1.9513+05	2.4152-03	4.8300-01	
68	445.69	1.5801+01	2.4722+00	7.6528-03	2.4722+00	7.6528-03	5.3325-03	1.2106-01	1.5684+05	1.9409-03	8.7000-01	
69	439.01	1.3578+01	2.1542+00	6.6355-03	2.1542+00	6.6355-03	4.6237-03	1.0497-01	1.3600+05	1.6824-03	1.2590+00	
70	438.46	1.2652+01	2.0311+00	6.2538-03	2.0311+00	6.2538-03	4.3577-03	9.8927-02	1.2817+05	1.5856-03	1.6500+00	
71	439.37	8.8732+00	1.4555+00	4.4844-03	1.4555+00	4.4844-03	3.1248-03	7.0938-02	9.1909+04	1.1370-03	1.7720+00	
72	442.25	1.5184+00	2.5104-01	7.7514-04	2.5104-01	7.7514-04	5.4013-04	1.2262-02	1.5887+04	1.9656-04	1.9200+00	
73	461.13	7.3455-01	1.2374-01	3.8750-04	1.2374-01	3.8750-04	2.7002-04	6.1298-03	7.9419+03	9.8342-05	2.2400+00	
74	477.05	6.1350-01	1.0446-01	3.3108-04	1.0446-01	3.3108-04	2.3070-04	5.2373-03	6.7856+03	8.4079-05	3.0250+00	
75	477.42	5.4805-01	9.3609-02	2.9678-04	9.3609-02	2.9678-04	2.0680-04	4.6947-03	6.0825+03	7.5370-05	3.4150+00	
76	459.00	1.5517+00	2.5644-01	8.0178-04	2.5644-01	8.0178-04	5.5869-04	1.2683-02	1.6432+04	2.0346-04	2.6360+00	
77	453.01	1.5964+00	2.6588-01	8.2757-04	2.6588-01	8.2757-04	5.7666-04	1.3091-02	1.6961+04	2.0995-04	3.0250+00	
78	456.12	1.6883+00	2.8262-01	8.8172-04	2.8262-01	8.8172-04	6.1439-04	1.3948-02	1.8071+04	2.2372-04	3.4150+00	
79	469.34	1.9039+00	3.2251-01	1.0162-03	3.2251-01	1.0162-03	7.0812-04	1.6075-02	2.0828+04	2.5799-04	2.2400+00	
80	459.92	1.7029+00	2.8160-01	8.8105-04	2.8160-01	8.8105-04	6.1393-04	1.3937-02	1.8057+04	2.2359-04	2.6360+00	
81	455.56	1.7179+00	2.8410-01	8.8595-04	2.8410-01	8.8595-04	6.1734-04	1.4015-02	1.8158+04	2.2479-04	3.0250+00	
82	459.74	1.6805+00	2.8118-01	8.7961-04	2.8118-01	8.7961-04	6.1293-04	1.3914-02	1.8028+04	2.2322-04	3.4150+00	
401	506.86	7.1697+01	6.1502+00	1.9947-02	6.1502+00	1.9947-02	1.3899-02	3.1554-01	4.0881+05	5.0721-03	4.4300-01	
403	497.13	5.7366+01	4.8902+00	1.5741-02	4.8902+00	1.5741-02	1.0968-02	2.4900-01	3.2261+05	4.0009-03	6.8600-01	
404	497.36	5.5194+01	4.7058+00	1.5150-02	4.7058+00	1.5150-02	1.0557-02	2.3965-01	3.1050+05	3.8507-03	8.0100-01	
405	500.68	7.3217+01	6.2558+00	2.0192-02	6.2558+00	2.0192-02	1.4070-02	3.1941-01	4.1384+05	5.1330-03	1.0510+00	
406	591.72	-2.0777-03	-1.8759-04	-6.5172-07	-1.8759-04	-6.5172-07	-4.5413-07	-1.0309-05	-1.3357+01	-1.6634-07	1.1670+00	
407	517.60	1.0677+02	9.3848+00	3.0695-02	9.3848+00	3.0695-02	2.1389-02	4.8556-01	6.2910+05	7.8088-03	1.2830+00	
408	488.49	4.9390+01	4.1868+00	1.3387-02	4.1868+00	1.3387-02	9.3283-03	2.1177-01	2.7437+05	3.4014-03	5.1300-01	
409	470.22	2.7634+01	2.3419+00	7.3842-03	2.3419+00	7.3842-03	5.1454-03	1.1681-01	1.5134+05	1.8747-03	5.7000-01	
410	479.64	3.4147+01	2.9120+00	9.2479-03	2.9120+00	9.2479-03	6.4441-03	1.4629-01	1.8954+05	2.3488-03	6.2800-01	
411	465.45	2.1778+01	1.8397+00	5.7799-03	1.8397+00	5.7799-03	4.0275-03	9.1431-02	1.1846+05	1.4671-03	6.8600-01	
412	479.94	3.7327+01	3.1838+00	1.0113-02	3.1838+00	1.0113-02	7.0471-03	1.5998-01	2.0727+05	2.5686-03	7.4400-01	
413	475.24	3.7626+01	3.1994+00	1.0127-02	3.1994+00	1.0127-02	7.0563-03	1.6019-01	2.0754+05	2.5715-03	8.0100-01	
414	483.49	3.8195+01	3.2273+00	1.0279-02	3.2273+00	1.0279-02	7.1629-03	1.6261-01	2.1068+05	2.6112-03	8.5900-01	
415	471.45	2.7371+01	2.3079+00	7.2839-03	2.3079+00	7.2839-03	5.0755-03	1.1522-01	1.4928+05	1.8493-03	9.1700-01	
416	484.32	3.7137+01	3.1024+00	9.8881-03	3.1024+00	9.8881-03	6.8902-03	1.5642-01	2.0266+05	2.5119-03	9.7000-01	
417	493.10	6.1470+01	5.2884+00	1.6969-02	5.2884+00	1.6969-02	1.1825-02	2.6844-01	3.4779+05	4.3124-03	1.0520+00	

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161 4 6.88 -5.12 .00 -.00 404 2 2.10 10.09 459.5 1719.3

8.35990+01 9.82883-03 7.00968-01 4.52216+03 9.86422-06 6.77152-08 5.52657-02 7.72000+00 6.99191-06 7.47666-02

1	550.05	1.1008+02	1.8824+01	6.3178-02	1.8824+01	6.3178-02	4.4020-02	9.9939-01	1.2950+06	1.6100-02	.0000+00
2	508.83	6.5031+01	9.7165+00	3.1557-02	9.7165+00	3.1557-02	2.1988-02	4.9920-01	6.4685+05	8.0274-03	1.1570-01
3	481.58	3.8480+01	6.1294+00	1.9492-02	6.1294+00	1.9492-02	1.3581-02	3.0834-01	3.9953+05	4.9524-03	2.5000-01
4	469.92	3.0784+01	4.8963+00	1.5433-02	4.8963+00	1.5433-02	1.0753-02	2.4413-01	3.1634+05	3.9192-03	4.8300-01
5	459.77	2.4318+01	3.8296+00	1.1978-02	3.8296+00	1.1978-02	8.3461-03	1.8948-01	2.4553+05	3.0406-03	8.7000-01
6	454.36	2.0453+01	3.2693+00	1.0185-02	3.2693+00	1.0185-02	7.0963-03	1.6111-01	2.0876+05	2.5847-03	1.2590+00
7	453.87	1.7938+01	2.8576+00	8.8987-03	2.8576+00	8.8987-03	6.2003-03	1.4077-01	1.8240+05	2.2583-03	1.6500+00
8	453.08	1.2689+01	2.0949+00	6.5199-03	2.0949+00	6.5199-03	4.5429-03	1.0314-01	1.3364+05	1.6546-03	1.7720+00
9	451.05	2.3740+00	3.9720-01	1.2343-03	3.9720-01	1.2343-03	8.6002-04	1.9525-02	2.5300+04	3.1320-04	1.9200+00
10	462.78	1.8005+00	3.0632-01	9.6030-04	3.0632-01	9.6030-04	6.6911-04	1.5191-02	1.9684+04	2.4380-04	2.2400+00
11	458.60	1.7709+00	3.0305-01	9.4705-04	3.0305-01	9.4705-04	6.5987-04	1.4981-02	1.9412+04	2.4039-04	2.6360+00
12	456.99	1.6790+00	2.8617-01	8.9324-04	2.8617-01	8.9324-04	6.2238-04	1.4130-02	1.8309+04	2.2671-04	3.0250+00
13	463.20	1.6561+00	2.8347-01	8.8894-04	2.8347-01	8.8894-04	6.1938-04	1.4062-02	1.8221+04	2.2568-04	3.4150+00
14	514.86	6.3636+01	9.5768+00	3.1251-02	9.5768+00	3.1251-02	2.1775-02	4.9435-01	6.4057+05	7.9516-03	1.1570-01
15	478.78	3.5197+01	5.6312+00	1.7869-02	5.6312+00	1.7869-02	1.2451-02	2.8267-01	3.6628+05	4.5396-03	2.5000-01
16	468.22	2.8506+01	4.4865+00	1.4123-02	4.4865+00	1.4123-02	9.8403-03	2.2341-01	2.8948+05	3.5862-03	4.8300-01
17	458.73	2.1131+01	3.3358+00	1.0426-02	3.3358+00	1.0426-02	7.2644-03	1.6492-01	2.1370+05	2.6464-03	8.7000-01
18	454.92	1.9346+01	3.0746+00	9.5819-03	3.0746+00	9.5819-03	6.6763-03	1.5157-01	1.9641+05	2.4318-03	1.2590+00
19	455.03	1.6830+01	2.6997+00	8.4143-03	2.6997+00	8.4143-03	5.8628-03	1.3310-01	1.7247+05	2.1355-03	1.6500+00
20	451.88	9.3013+00	1.5434+00	4.7992-03	1.5434+00	4.7992-03	3.3439-03	7.5918-02	9.8372+04	1.2178-03	1.7720+00
21	464.24	2.2321+01	3.4927+00	1.0962-02	3.4927+00	1.0962-02	7.6376-03	1.7340-01	2.2468+05	2.7830-03	4.8300-01
22	460.05	2.0768+01	3.3121+00	1.0362-02	3.3121+00	1.0362-02	7.2199-03	1.6392-01	2.1240+05	2.6303-03	8.7000-01
23	456.07	1.8179+01	2.9003+00	9.0466-03	2.9003+00	9.0466-03	6.3034-03	1.4311-01	1.8543+05	2.2960-03	1.2590+00
24	458.40	1.6718+01	2.7044+00	8.4502-03	2.7044+00	8.4502-03	5.8878-03	1.3367-01	1.7321+05	2.1449-03	1.6500+00
25	456.84	1.1395+01	1.8637+00	5.8165-03	1.8637+00	5.8165-03	4.0527-03	9.2010-02	1.1922+05	1.4763-03	1.7720+00
26	460.19	2.0192+00	3.3995-01	1.0636-03	3.3995-01	1.0636-03	7.4111-04	1.6826-02	2.1802+04	2.7000-04	1.9200+00
27	463.81	1.4805+00	2.4986-01	7.8392-04	2.4986-01	7.8392-04	5.4621-04	1.2401-02	1.6068+04	1.9902-04	3.0250+00
28	472.93	1.2727+00	2.1611-01	6.8271-04	2.1611-01	6.8271-04	4.7569-04	1.0800-02	1.3994+04	1.7340-04	3.4150+00
29	462.92	2.6488+01	4.1803+00	1.3106-02	4.1803+00	1.3106-02	9.1321-03	2.0733-01	2.6865+05	3.3274-03	8.7000-01
30	455.39	1.5477+01	2.4605+00	7.6709-03	2.4605+00	7.6709-03	5.3448-03	1.2135-01	1.5724+05	1.9468-03	1.2590+00
31	459.53	1.5542+01	2.5007+00	7.8204-03	2.5007+00	7.8204-03	5.4490-03	1.2371-01	1.6030+05	1.9851-03	1.6500+00
32	460.11	1.0637+01	1.7436+00	5.4553-03	1.7436+00	5.4553-03	3.8011-03	8.6296-02	1.1182+05	1.3848-03	1.7720+00
33	471.96	1.5673+00	2.6128-01	8.2483-04	2.6128-01	8.2483-04	5.7471-04	1.3048-02	1.6907+04	2.0948-04	2.2400+00
34	471.79	9.3507-01	1.5633-01	4.9345-04	1.5633-01	4.9345-04	3.4382-04	7.8059-03	1.0115+04	1.2532-04	3.0250+00
35	480.38	3.8991+01	5.7585+00	1.8295-02	5.7585+00	1.8295-02	1.2748-02	2.8941-01	3.7501+05	4.6482-03	1.1570-01
36	476.74	3.0766+01	4.7779+00	1.5138-02	4.7779+00	1.5138-02	1.0547-02	2.3946-01	3.1029+05	3.8453-03	1.2500+00
37	476.74	3.0766+01	4.7779+00	1.5138-02	4.7779+00	1.5138-02	1.0547-02	2.3946-01	3.1029+05	3.8453-03	1.2500+00
38	464.05	2.5423+00	4.2411-01	1.3308-03	4.2411-01	1.3308-03	9.2729-04	2.1052-02	2.7279+04	3.3788-04	1.9200+00
39	474.68	2.3283+00	3.9465-01	1.2484-03	3.9465-01	1.2484-03	8.6985-04	1.9748-02	2.5589+04	3.1710-04	2.2400+00
40	475.77	1.9065+00	3.2813-01	1.0388-03	3.2813-01	1.0388-03	7.2383-04	1.6433-02	2.1294+04	2.6388-04	3.0250+00
41	473.92	1.1174+00	1.9041-01	6.0200-04	1.9041-01	6.0200-04	4.1945-04	9.5229-03	1.2339+04	1.5290-04	3.4150+00
42	505.70	6.1374+01	9.9923+00	3.2374-02	9.9923+00	3.2374-02	2.2557-02	5.1212-01	6.6359+05	8.2340-03	8.7000-01
43	507.44	6.5472+01	1.0871+01	3.5267-02	1.0871+01	3.5267-02	2.4573-02	5.5789-01	7.2290+05	8.9706-03	1.2590+00
44	486.89	4.3179+01	7.0967+00	2.2660-02	7.0967+00	2.2660-02	1.5789-02	3.5845-01	4.6447+05	5.7586-03	1.6500+00
45	476.12	2.4372+01	4.0138+00	1.2711-02	4.0138+00	1.2711-02	8.8566-03	2.0107-01	2.6055+05	3.2288-03	1.7720+00
46	483.01	1.1787+00	1.9853-01	6.3204-04	1.9853-01	6.3204-04	4.4038-04	9.9981-03	1.2955+04	1.6060-04	2.2400+00
47	478.81	2.6005+00	4.4329-01	1.4067-03	4.4329-01	1.4067-03	9.8013-04	2.2252-02	2.8834+04	3.5736-04	3.0250+00
48	461.12	1.8684+01	2.9174+00	9.1345-03	2.9174+00	9.1345-03	6.3646-03	1.4450-01	1.8723+05	2.3188-03	8.7000-01
49	452.81	1.4360+01	2.2929+00	7.1347-03	2.2929+00	7.1347-03	4.9712-03	1.1286-01	1.4624+05	1.8105-03	1.2590+00
50	465.95	2.3453+01	3.8479+00	1.2092-02	3.8479+00	1.2092-02	8.4251-03	1.9128-01	2.4785+05	3.0702-03	1.6500+00
51	465.68	1.4289+01	2.3439+00	7.3642-03	2.3439+00	7.3642-03	5.1311-03	1.1649-01	1.5095+05	1.8698-03	1.7720+00
52	469.15	2.2577+00	3.7903-01	1.1940-03	3.7903-01	1.1940-03	8.3192-04	1.8887-02	2.4474+04	3.0320-04	1.9200+00
53	484.16	1.9694+00	3.3196-01	1.0577-03	3.3196-01	1.0577-03	7.3699-04	1.6732-02	2.1681+04	2.6877-04	2.2400+00
54	480.17	1.3501+00	2.2699-01	7.2104-04	2.2699-01	7.2104-04	5.0240-04	1.1406-02	1.4780+04	1.8319-04	2.6360+00
55	476.49	1.0026+00	1.6815-01	5.3264-04	1.6815-01	5.3264-04	3.7113-04	8.4257-03	1.0918+04	1.3530-04	3.0250+00
56	473.01	7.9792-01	1.3470-01	4.2557-04	1.3470-01	4.2557-04	2.9652-04	6.7320-03	8.7231+03	1.0809-04	3.4150+00
57	493.58	4.7317+01	7.0486+00	2.2623-02	7.0486+00	2.2623-02	1.5763-02	3.5786-01	4.6371+05	5.7508-03	1.1570-01
58	469.31	2.6423+01	4.1749+00	1.3153-02	4.1749+00	1.3153-02	9.1644-03	2.0806-01	2.6960+05	3.3401-03	2.5000-01
59	458.93	1.9765+01	3.1206+00	9.7547-03	3.1206+00	9.7547-03	6.7967-03	1.5431-01	1.9995+05	2.4760-03	4.8300-01
60	457.01	1.7712+01	2.7928+00	8.7175-03	2.7928+00	8.7175-03	6.0741-03	1.3790-01	1.7869+05	2.2126-03	8.7000-01
61	467.83	1.5460+00	2.4708-01	7.7754-04	2.4708-01	7.7754-04	5.4176-04	1.2300-02	1.5938+04	1.9744-04	1.2590+00
62	450.14	1.2370+01	1.9595+00	6.0849-03	1.9595+00	6.0849-03	4.2398-03	9.6257-02	1.2473+05	1.5440-03	1.6500+00
63	451.87	7.9221+00	1.3068+00	4.0634-03	1.3068+00	4.0634-03	2.8312-03	6.4278-02	8.3289+04	1.0311-03	1.7720+00
64	475.62	6.0104-01	1.0254-01	3.2459-04	1.0254-01	3.2459-04	2.2616-04	5.1346-03	6.6533+03	8.2450-05	2.2400+00
65	475.39	1.0795+00	1.8467-01	5.8449-04	1.8467-01	5.8449-04	4.0725-04	9.2459-03	1.1981+04	1.4846-04	3.0250+00
66	492.24	4.6411+01	6.9077+00	2.2148-02	6.9077+00	2.2148-02	1.5432-02	3.5035-01	4.5397+05	5.6297-03	1.1570-01
67	466.90	2.5117+01	3.8503+00	1.2108-02	3.8503+00	1.2108-02	8.4366-03	1.9154-01	2.4819+05	3.0745-03	2.5000-01
68	455.91	1.9629+01	3.0928+00	9.6457-03	3.0928+00	9.6457-03	6.7208-03	1.5258-01	1.9771+05	2.4481-03	4.8300-01
69	449.58	1.5442+01	2.4225+00	7.5196-03	2.4225+00	7.5196-03	5.2394-03	1.1895-01	1.5413+05	1.9080-03	8.7000-01
70	442.36	1.3440+01	2.1372+00	6.5987-03	2.1372+00	6.5987-03	4.5977-03	1.0438-01	1.3526+05	1.6738-03	1.2590+00
71	441.48	1.2231+01	1.9675+00	6.0707-03	1.9675+00	6.0707-03	4.2298-03	9.6031-02	1.2443+05	1.5398-03	1.6500+00
72	441.47	8.4805+00	1.3931+00	4.2982-03	1.3931+00	4.2982-03	2.9949-03	6.7993-02	8.8104+04	1.0902-03	1.7720+00
73	442.60	1.5096+00	2.4964-01	7.7090-04	2.4964-01	7.7090-04	5.3714-04	1.2195-02	1.5802+04	1.9555-04	1.9200+00
74	461.31	7.5273-01	1.2682-01	3.9714-04	1.2682-01	3.9714-04	2.7671-04	6.2823-03	8.1404+03	1.0082-04	2.2400+00
75	477.16	4.7688-01	8.1202-02	2.5735-04	8.1202-02	2.5735-04	1.7932-04	4.0710-03	5.2751+03	6.5375-05	3.0250+00
76	477.51	3.7610-01	6.4244-02	2.0366-04	6.4244-02	2.0366-04	1.4190-04	3.2217-03	4.1746+03	5.1737-05	3.4150+00
77	459.37	1.5870+00	2.6235-01	8.2034-04	2.6235-01	8.2034-04	5.7159-04	1.2977-02	1.6815+04	2.0823-04	2.6360+00
78	453.41	1.5823+00	2.6362-01	8.2065-04	2.6362-01	8.2065-04	5.7180-04	1.2982-02	1.6821+04	2.0826-04	3.0250+00
79	456.55	1.6197+00	2.7122-01	8.4630-04	2.7122-01	8.4630-04	5.8967-04	1.3387-02	1.7347+04	2.1480-04	3.4150+00
80	469.81	1.8468+00	3.1293-01	9.8623-04	3.1293-01	9.8623-04	6.8717-04	1.5601-02	2.0215+04	2.5045-04	2.2400+00
81	460.33	1.6447+00	2.7206-01	8.5131-04	2.7206-01	8.5131-04	5.9317-04	1.3467-02	1.7450+04	2.1610-04	2.6360+00
82	455.98	1.6800+00	2.7791-01	8.6679-04	2.7791-01	8.6679-04	6.0395-04	1.3712-02	1.7767+04	2.1999-04	3.0250+00
83	460.16	1.6660+00	2.7883-01	8.7239-04	2.7883-01	8.7239-04	6.0785-04	1.3800-02	1.7882+04	2.2145-04	3.4150+00
401	525.08	7.2697+01	6.3078+00	2.0751-02	6.3078+00	2.0751-02	1.4458-02	3.2825-01	4.2534+05	5.2822-03	4.4500-01
403	511.03	5.4130+01	4.6555+00	1.5146-02	4.6555+00	1.5146-02	1.0553-02	2.3960-01	3.1046+05	3.8532-03	6.8600-01
404	510.42	5.0725+01	4.3610+00	1.4181-02	4.3610+00	1.4181-02	9.8811-03	2.2433-01	2.9068+05	3.6076-03	8.0100-01
405	518.58	6.8288+01	5.9013+00	1.9314-02	5.9013+00	1.9314-02	1.3457-02	3.0552-01	3.9588+05	4.9150-03	1.0510+00
406	591.71	-2.5969-03	-2.3447-04	-8.1446-07	-2.3447-04	-8.1446-07	-5.6749-07	-1.2884-05	-1.6694+01	-2.0795-07	1.1670+00
407	543.36	1.0056+02	8.9809+00	2.9979-02	8.9809+00	2.9979-02	2.0889-02	4.7424-01	6.1450+05	7.6376-03	1.2830+00
408	500.98	5.0773+01	4.3390+00	1.4006-02	4.3390+00	1.4006-02	9.7589-03	2.2156-01	2.8709+05	3.5616-03	5.1300-01
409	477.18	2.8666+01	2.4406+00	7.7351-03	2.4406+00	7.7351-03	5.3896-03	1.2236-01	1.5855+05	1.9649-03	5.7000-01
410	488.36	3.5353+01	3.0321+00	9.6925-03	3.0321+00	9.6925-03	6.7534-03	1.5332-01	1.9867+05	2.4633-03	6.2800-01
411	471.55	2.5478+01	2.1611+00	6.8200-03	2.1611+00	6.8200-03	4.7519-03	1.0788-01	1.3979+05	1.7321-03	6.8600-01
412	489.42	3.8466+01	3.3014+00	1.0562-02	3.3014+00	1.0562-02	7.3592-03	1.6708-01	2.1649+05	2.6844-03	7.4400-01
413	484.83	3.7847+01	3.2385+00	1.0324-02	3.2385+00	1.0324-02	7.1936-03	1.6332-01	2.1162+05	2.6235-03	8.0100-01
414	492.68	3.6713+01	3.1207+00	1.0009-02	3.1207+00	1.0009-02	6.9738-03	1.5833-01	2.0516+05	2.5442-03	8.5900-01
415	478.37	2.7785+01	2.3536+00	7.4662-03	2.3536+00	7.4662-03	5.2022-03	1.1811-01	1.5304+05	1.8967-03	9.1700-01
416	493.81	3.8682+01	3.2515+00	1.0437-02	3.2515+00	1.0437-02	7.2725-03	1.6511-01	2.1394+05	2.6533-03	5.7000-01
417	508.91	6.3579+01	5.5255+00	1.7947-02	5.5255+00	1.7947-02	1.2505-02	2.8390-01	3.6787+05	4.5653-03	1.0520+00

CONFIDENTIAL

161 4 6.88 -5.12 .00 -.00 404 2 2.35 10.09 459.5 1719.1

8.35900+01 9.82899-03 7.00979-01 4.52191+03 9.86544-06 6.77079-08 5.52754-02 7.72000+00 6.99105-06 7.47677-02

1	576.98	1.0555+02	1.8340+01	6.2927-02	1.8340+01	6.2927-02	4.3842-02	9.9542-01	1.2900+06	1.6058-02	.0000+00
2	525.01	6.4332+01	9.7104+00	3.1942-02	9.7104+00	3.1942-02	2.2255-02	5.0529-01	6.5482+05	8.1322-03	1.1570-01
3	491.14	3.8130+01	6.1117+00	1.9579-02	6.1117+00	1.9579-02	1.3641-02	3.0971-01	4.0137+05	4.9773-03	2.5000-01
4	477.57	3.0414+01	4.8621+00	1.5414-02	4.8621+00	1.5414-02	1.0739-02	2.4384-01	3.1600+05	3.9163-03	4.8300-01
5	465.89	2.4326+01	3.8466+00	1.2087-02	3.8466+00	1.2087-02	8.4215-03	1.9121-01	2.4774+05	3.0695-03	8.7000-01
6	459.49	2.0533+01	3.2935+00	1.0300-02	3.2935+00	1.0300-02	7.1759-03	1.6293-01	2.1114+05	2.6148-03	1.2590+00
7	458.34	1.7981+01	2.8732+00	8.9772-03	2.8732+00	8.9772-03	6.2546-03	1.4201-01	1.8403+05	2.2789-03	1.6500+00
8	456.23	1.2698+01	2.1009+00	6.5539-03	2.1009+00	6.5539-03	4.5662-03	1.0367-01	1.3435+05	1.6636-03	1.7720+00
9	451.61	2.1579+00	3.6118-01	1.1228-03	3.6118-01	1.1228-03	7.8230-04	1.7762-02	2.3018+04	2.8496-04	1.9200+00
10	463.22	1.8166+00	3.0915-01	9.6950-04	3.0915-01	9.6950-04	6.7547-04	1.5336-02	1.9875+04	2.4617-04	2.2400+00
11	459.01	1.6914+00	2.8953-01	9.0508-04	2.8953-01	9.0508-04	6.3059-04	1.4317-02	1.8554+04	2.2977-04	2.6360+00
12	457.41	1.7252+00	2.9414-01	9.1840-04	2.9414-01	9.1840-04	6.3996-04	1.4528-02	1.8827+04	2.3313-04	3.0250+00
13	463.63	1.7153+00	2.9369-01	9.2129-04	2.9369-01	9.2129-04	6.4188-04	1.4574-02	1.8887+04	2.3393-04	3.4150+00
14	530.67	6.2913+01	9.5619+00	3.1596-02	9.5619+00	3.1596-02	2.2013-02	4.9981-01	6.4772+05	8.0460-03	1.1570-01
15	487.54	3.4908+01	5.6171+00	1.7945-02	5.6171+00	1.7945-02	1.2502-02	2.8386-01	3.6787+05	4.5611-03	2.5000-01
16	475.27	2.8180+01	4.4561+00	1.4102-02	4.4561+00	1.4102-02	9.8254-03	2.2308-01	2.8910+05	3.5826-03	4.8300-01
17	464.07	2.1232+01	3.3638+00	1.0556-02	3.3638+00	1.0556-02	7.3543-03	1.6698-01	2.1639+05	2.6803-03	8.7000-01
18	459.77	1.9455+01	3.1021+00	9.7029-03	3.1021+00	9.7029-03	6.7602-03	1.5349-01	1.9891+05	2.4633-03	1.2590+00
19	459.26	1.6965+01	2.7291+00	8.5330-03	2.7291+00	8.5330-03	5.9451-03	1.3498-01	1.7493+05	2.1663-03	1.6500+00
20	454.17	9.4369+00	1.5684+00	4.8851-03	1.5684+00	4.8851-03	3.4035-03	7.7277-02	1.0015+05	1.2399-03	1.7720+00
21	469.78	2.2194+01	3.4858+00	1.0986-02	3.4858+00	1.0986-02	7.6539-03	1.7378-01	2.2521+05	2.7902-03	4.8300-01
22	465.31	2.0808+01	3.3303+00	1.0460-02	3.3303+00	1.0460-02	7.2878-03	1.6547-01	2.1444+05	2.6562-03	8.7000-01
23	460.65	1.8311+01	2.9304+00	9.1719-03	2.9304+00	9.1719-03	6.3902-03	1.4509-01	1.8802+05	2.3286-03	1.2590+00
24	462.65	1.6640+01	2.7319+00	8.5634-03	2.7319+00	8.5634-03	5.9663-03	1.3546-01	1.7555+05	2.1743-03	1.6500+00
25	459.75	1.1423+01	1.8720+00	5.8553-03	1.8720+00	5.8553-03	4.0795-03	9.2624-02	1.2003+05	1.4865-03	1.7720+00
26	460.70	2.0452+00	3.4444-01	1.0781-03	3.4444-01	1.0781-03	7.5113-04	1.7054-02	2.2101+04	2.7371-04	1.9200+00
27	464.17	1.5138+00	2.5554-01	8.0193-04	2.5554-01	8.0193-04	5.5872-04	1.2686-02	1.6440+04	2.0363-04	3.0250+00
28	473.25	1.2909+00	2.1924-01	6.9278-04	2.1924-01	6.9278-04	4.8267-04	1.0959-02	1.4202+04	1.7598-04	3.4150+00
29	469.99	2.8708+01	4.5520+00	1.4348-02	4.5520+00	1.4348-02	9.9968-03	2.2697-01	2.9414+05	3.6443-03	8.7000-01
30	459.53	1.6663+01	2.6564+00	8.3075-03	2.6564+00	8.3075-03	5.7880-03	1.3141-01	1.7030+05	2.1090-03	1.2590+00
31	463.42	1.5713+01	2.5348+00	7.9504-03	2.5348+00	7.9504-03	5.5392-03	1.2577-01	1.6298+05	2.0187-03	1.6500+00
32	462.74	1.0534+01	1.7297+00	5.4223-03	1.7297+00	5.4223-03	3.7778-03	8.5774-02	1.1116+05	1.3768-03	1.7720+00
33	472.33	1.5065+00	2.5121-01	7.9326-04	2.5121-01	7.9326-04	5.5268-04	1.2548-02	1.6262+04	2.0150-04	2.2400+00
34	472.09	9.9636-01	1.6662-01	5.2602-04	1.6662-01	5.2602-04	3.6649-04	8.3211-03	1.0784+04	1.3361-04	3.0250+00
35	489.99	3.7757+01	5.6114+00	1.7960-02	5.6114+00	1.7960-02	1.2513-02	2.8411-01	3.6818+05	4.5655-03	1.1570-01
37	484.42	3.0631+01	4.7810+00	1.5237-02	4.7810+00	1.5237-02	1.0616-02	2.4103-01	3.1235+05	3.8723-03	1.2500+00
38	464.69	2.6270+00	4.3843-01	1.3764-03	4.3843-01	1.3764-03	9.5898-04	2.1773-02	2.8217+04	3.4951-04	1.9200+00
39	475.28	2.4286+00	4.1181-01	1.3033-03	4.1181-01	1.3033-03	9.0802-04	2.0616-02	2.6717+04	3.3109-04	2.2400+00
40	476.26	1.9340+00	3.3297-01	1.0546-03	3.3297-01	1.0546-03	7.3473-04	1.6682-02	2.1619+04	2.6791-04	3.0250+00
41	474.20	1.1751+00	2.0028-01	6.3331-04	2.0028-01	6.3331-04	4.4124-04	1.0018-02	1.2983+04	1.6088-04	3.4150+00
42	520.30	5.6361+01	9.2612+00	3.0351-02	9.2612+00	3.0351-02	2.1146-02	4.8012-01	6.2220+05	7.7255-03	8.7000-01
43	523.09	6.1143+01	1.0253+01	3.3675-02	1.0253+01	3.3675-02	2.3462-02	5.3269-01	6.9033+05	8.5725-03	1.2590+00
44	497.55	4.2677+01	7.0628+00	2.2738-02	7.0628+00	2.2738-02	1.5842-02	3.5968-01	4.6613+05	5.7819-03	1.6500+00
45	482.17	2.4166+01	3.9958+00	1.2712-02	3.9958+00	1.2712-02	8.8569-03	2.0109-01	2.6060+05	3.2304-03	1.7720+00
46	483.31	1.2556+00	2.1153-01	6.7356-04	2.1153-01	6.7356-04	4.6928-04	1.0655-02	1.3808+04	1.7117-04	2.2400+00
47	479.44	2.6296+00	4.4844-01	1.4237-03	4.4844-01	1.4237-03	9.9192-04	2.2521-02	2.9186+04	3.6175-04	3.0250+00
48	465.86	1.8899+01	2.9604+00	9.3023-03	2.9604+00	9.3023-03	6.4811-03	1.4715-01	1.9070+05	2.3622-03	8.7000-01
49	456.51	1.5282+01	2.4463+00	7.6328-03	2.4463+00	7.6328-03	5.3179-03	1.2074-01	1.5647+05	1.9375-03	1.2590+00
50	471.77	2.3207+01	3.8223+00	1.2065-02	3.8223+00	1.2065-02	8.4056-03	1.9085-01	2.4732+05	3.0644-03	1.6500+00
51	469.22	1.4110+01	2.3200+00	7.3086-03	2.3200+00	7.3086-03	5.0920-03	1.1561-01	1.4983+05	1.8562-03	1.7720+00
52	469.73	2.3143+00	3.8869-01	1.2249-03	3.8869-01	1.2249-03	8.5343-04	1.9377-02	2.5111+04	3.1111-04	1.9200+00
53	484.64	1.9049+00	3.2120-01	1.0238-03	3.2120-01	1.0238-03	7.1332-04	1.6196-02	2.0989+04	2.6020-04	2.2400+00
54	480.51	1.3662+00	2.2974-01	7.2999-04	2.2974-01	7.2999-04	5.0860-04	1.1548-02	1.4965+04	1.8549-04	2.6360+00
55	476.74	9.6364-01	1.6164-01	5.1212-04	1.6164-01	5.1212-04	3.5681-04	8.1012-03	1.0499+04	1.3011-04	3.0250+00
56	473.20	8.2598-01	1.3946-01	4.4065-04	1.3946-01	4.4065-04	3.0701-04	6.9705-03	9.0333+03	1.1193-04	3.4150+00
57	505.47	4.7598+01	7.1448+00	2.3144-02	7.1448+00	2.3144-02	1.6125-02	3.6611-01	4.7446+05	5.8873-03	1.1570-01
58	475.92	2.6354+01	4.1822+00	1.3242-02	4.1822+00	1.3242-02	9.2261-03	2.0948-01	2.7147+05	3.3642-03	2.5000-01
59	463.94	1.9824+01	3.1405+00	9.8539-03	3.1405+00	9.8539-03	6.8654-03	1.5588-01	2.0201+05	2.5021-03	4.8300-01
60	461.49	1.7840+01	2.8215+00	8.8367-03	2.8215+00	8.8367-03	6.1567-03	1.3979-01	1.8115+05	2.2436-03	8.7000-01
61	468.23	1.6223+00	2.5935-01	8.1641-04	2.5935-01	8.1641-04	5.6881-04	1.2915-02	1.6737+04	2.0734-04	1.2590+00
62	453.17	1.2267+01	1.9472+00	6.0606-03	1.9472+00	6.0606-03	4.2225-03	9.5871-02	1.2424+05	1.5382-03	1.6500+00
63	453.79	7.9195+00	1.3081+00	4.0732-03	1.3081+00	4.0732-03	2.8379-03	6.4434-02	8.3502+04	1.0338-03	1.7720+00
64	475.76	6.5143-01	1.1114-01	3.5188-04	1.1114-01	3.5188-04	2.4516-04	5.5663-03	7.2135+03	8.9393-05	2.2400+00
65	475.65	1.0925+00	1.8692-01	5.9174-04	1.8692-01	5.9174-04	4.1227-04	9.3606-03	1.2131+04	1.5033-04	3.0250+00
66	503.92	4.6764+01	7.0127+00	2.2689-02	7.0127+00	2.2689-02	1.5808-02	3.5891-01	4.6512+05	5.7710-03	1.1570-01
67	473.18	2.5123+01	3.8674+00	1.2220-02	3.8674+00	1.2220-02	8.5138-03	1.9330-01	2.5051+05	3.1041-03	2.5000-01
68	460.85	1.9746+01	3.1217+00	9.7721-03	3.1217+00	9.7721-03	6.8084-03	1.5458-01	2.0033+05	2.4810-03	4.8300-01
69	453.36	1.5379+01	2.4189+00	7.5299-03	2.4189+00	7.5299-03	5.2462-03	1.1911-01	1.5436+05	1.9111-03	8.7000-01
70	445.73	1.3327+01	2.1242+00	6.5747-03	2.1242+00	6.5747-03	4.5807-03	1.0400-01	1.3478+05	1.6682-03	1.2590+00
71	444.52	1.2144+01	1.9577+00	6.0539-03	1.9577+00	6.0539-03	4.2179-03	9.5766-02	1.2411+05	1.5360-03	1.6500+00
72	443.58	8.4374+00	1.3860+00	4.2894-03	1.3860+00	4.2894-03	2.9885-03	6.7853-02	8.7932+04	1.0882-03	1.7720+00
73	442.99	1.5979+00	2.6432-01	8.1646-04	2.6432-01	8.1646-04	5.6894-04	1.2915-02	1.6737+04	2.0713-04	1.9200+00
74	461.53	7.4182-01	1.2500-01	3.9150-04	1.2500-01	3.9150-04	2.7277-04	6.1931-03	8.0259+03	9.9400-05	2.2400+00
75	477.26	4.9403-01	8.4127-02	2.6665-04	8.4127-02	2.6665-04	1.8578-04	4.2180-03	5.4663+03	6.7745-05	3.0250+00
76	477.59	3.3714-01	5.7542-02	1.8259-04	5.7542-02	1.8259-04	1.2721-04	2.8883-03	3.7430+03	4.6389-05	3.4150+00
77	459.77	1.5808+00	2.6139-01	8.1759-04	2.6139-01	8.1759-04	5.6963-04	1.2933-02	1.6761+04	2.0756-04	2.6360+00
78	453.81	1.6255+00	2.7088-01	8.4349-04	2.7088-01	8.4349-04	5.8768-04	1.3343-02	1.7292+04	2.1409-04	3.0250+00
79	456.93	1.5875+00	2.6590-01	8.2992-04	2.6590-01	8.2992-04	5.7822-04	1.3128-02	1.7013+04	2.1067-04	3.4150+00
80	470.28	1.8462+00	3.1294-01	9.8661-04	3.1294-01	9.8661-04	6.8739-04	1.5607-02	2.0226+04	2.5059-04	2.2400+00
81	460.75	1.7231+00	2.8511-01	8.9245-04	2.8511-01	8.9245-04	6.2179-04	1.4118-02	1.8295+04	2.2658-04	2.6360+00
82	456.40	1.7242+00	2.8529-01	8.9010-04	2.8529-01	8.9010-04	6.2015-04	1.4080-02	1.8247+04	2.2594-04	3.0250+00
83	460.58	1.6956+00	2.8387-01	8.8843-04	2.8387-01	8.8843-04	6.1898-04	1.4054-02	1.8213+04	2.2556-04	3.4150+00
401	543.36	7.2713+01	6.3805+00	2.1299-02	6.3805+00	2.1299-02	1.4839-02	3.3692-01	4.3663+05	5.4269-03	4.4500-01
403	524.14	5.1285+01	4.4473+00	1.4619-02	4.4473+00	1.4619-02	1.0186-02	2.3126-01	2.9970+05	3.7218-03	6.8600-01
404	522.56	4.7383+01	4.1049+00	1.3477-02	4.1049+00	1.3477-02	9.3895-03	2.1319-01	2.7627+05	3.4307-03	8.0100-01
405	534.92	6.2719+01	5.4753+00	1.8154-02	5.4753+00	1.8154-02	1.2648-02	2.8717-01	3.7215+05	4.6238-03	1.0510+00
406	591.71	-3.6346-03	-3.2815-04	-1.1399-06	-3.2815-04	-1.1399-06	-7.9418-07	-1.8032-05	-2.3368+01	-2.9108-07	1.1670+00
407	567.76	9.5683+01	8.6527+00	2.9463-02	8.6527+00	2.9463-02	2.0528-02	4.6608-01	6.0400+05	7.5155-03	1.2830+00
408	513.92	5.2123+01	4.4911+00	1.4645-02	4.4911+00	1.4645-02	1.0203-02	2.3166-01	3.0021+05	3.7266-03	5.1300-01
409	484.52	3.0130+01	2.5777+00	8.2156-03	2.5777+00	8.2156-03	5.7239-03	1.2996-01	1.6842+05	2.0879-03	5.7000-01
410	497.36	3.6370+01	3.1376+00	1.0100-02	3.1376+00	1.0100-02	7.0366-03	1.5977-01	2.0704+05	2.5682-03	6.2800-01
411	479.35	2.7864+01	2.3742+00	7.5315-03	2.3742+00	7.5315-03	5.2473-03	1.1914-01	1.5440+05	1.9136-03	6.6600-01
412	499.21	3.9406+01	3.4036+00	1.0972-02	3.4036+00	1.0972-02	7.6441-03	1.7356-01	2.2492+05	2.7901-03	7.4400-01
413	494.26	3.7197+01	3.2025+00	1.0284-02	3.2025+00	1.0284-02	7.1650-03	1.6268-01	2.1082+05	2.6147-03	8.0100-01
414	501.75	3.6185+01	3.0938+00	9.9927-03	3.0938+00	9.9927-03	6.9621-03	1.5807-01	2.0485+05	2.5415-03	8.5900-01
415	485.36	2.7954+01	2.3789+00	7.5868-03	2.3789+00	7.5868-03	5.2858-03	1.2001-01	1.5553+05	1.9282-03	9.1700-01
416	503.69	4.0128+01	3.3946+00	1.0981-02	3.3946+00	1.0981-02	7.6505-03	1.7370-01	2.2511+05	2.7930-03	5.7000-01
417	525.10	6.4334+01	5.6483+00	1.8561-02	5.6483+00	1.8561-02	1.2946-02	2.9393-01	3.8092+05	4.7306-03	1.0520+00

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161 4 6.88 -5.12 .00 -.00 404 2 2.60 10.09 459.5 1719.3

8.35990+01 9.82883-03 7.00968-01 4.52216+03 9.86422-06 6.77152-08 5.52657-02 7.72000+00 6.99191-06 7.47666-02

1	602.81	1.0117+02	1.7840+01	6.2554-02	1.7840+01	6.2554-02	4.3585-02	9.8953-01	1.2822+06	1.5979-02	.0000+00
2	541.00	6.3576+01	9.6911+00	3.2289-02	9.6911+00	3.2289-02	2.2498-02	5.1077-01	6.6184+05	8.2250-03	1.1570-01
3	500.66	3.7845+01	6.1034+00	1.9697-02	6.1034+00	1.9697-02	1.3724-02	3.1158-01	4.0374+05	5.0086-03	2.5000-01
4	485.12	3.0129+01	4.8406+00	1.5435-02	4.8406+00	1.5435-02	1.0755-02	2.4416-01	3.1638+05	3.9222-03	4.8300-01
5	471.94	2.4194+01	3.8413+00	1.2126-02	3.8413+00	1.2126-02	8.4490-03	1.9182-01	2.4855+05	3.0797-03	8.7000-01
6	464.66	2.0591+01	3.3144+00	1.0405-02	3.3144+00	1.0405-02	7.2501-03	1.6460-01	2.1328+05	2.6418-03	1.2590+00
7	462.89	1.8104+01	2.9017+00	9.0974-03	2.9017+00	9.0974-03	6.3387-03	1.4391-01	1.8647+05	2.3096-03	1.6500+00
8	459.47	1.2810+01	2.1240+00	6.6423-03	2.1240+00	6.6423-03	4.6281-03	1.0507-01	1.3615+05	1.6861-03	1.7720+00
9	452.09	2.2556+00	3.7766-01	1.1745-03	3.7766-01	1.1745-03	8.1834-04	1.8579-02	2.4074+04	2.9804-04	1.9200+00
10	463.70	1.8494+00	3.1482-01	9.8764-04	3.1482-01	9.8764-04	6.8815-04	1.5623-02	2.0244+04	2.5074-04	2.2400+00
11	459.41	1.7205+00	2.9459-01	9.2118-04	2.9459-01	9.2118-04	6.4184-04	1.4572-02	1.8882+04	2.3383-04	2.6360+00
12	457.81	1.7107+00	2.9174-01	9.1118-04	2.9174-01	9.1118-04	6.3488-04	1.4414-02	1.8677+04	2.3127-04	3.0250+00
13	464.04	1.7023+00	2.9154-01	9.1485-04	2.9154-01	9.1485-04	6.3743-04	1.4472-02	1.8752+04	2.3227-04	3.4150+00
14	546.31	6.2145+01	9.5360+00	3.1908-02	9.5360+00	3.1908-02	2.2233-02	5.0475-01	6.5404+05	8.1300-03	1.1570-01
15	496.24	3.4641+01	5.6057+00	1.8029-02	5.6057+00	1.8029-02	1.2562-02	2.8519-01	3.6954+05	4.5835-03	2.5000-01
16	482.31	2.7952+01	4.4406+00	1.4129-02	4.4406+00	1.4129-02	9.8446-03	2.2350-01	2.8961+05	3.5900-03	4.8300-01
17	469.34	2.1116+01	3.3573+00	1.0577-02	3.3573+00	1.0577-02	7.3698-03	1.6732-01	2.1681+05	2.6860-03	8.7000-01
18	464.67	1.9506+01	3.1205+00	9.7966-03	3.1205+00	9.7966-03	6.8259-03	1.5497-01	2.0081+05	2.4873-03	1.2590+00
19	463.54	1.6971+01	2.7380+00	8.5885-03	2.7380+00	8.5885-03	5.9842-03	1.3586-01	1.7604+05	2.1805-03	1.6500+00
20	456.59	9.7735+00	1.6270+00	5.0769-03	1.6270+00	5.0769-03	3.5374-03	8.0311-02	1.0406+05	1.2886-03	1.7720+00
21	475.30	2.2151+01	3.4917+00	1.1051-02	3.4917+00	1.1051-02	7.6998-03	1.7481-01	2.2651+05	2.8070-03	4.8300-01
22	470.48	2.0604+01	3.3090+00	1.0434-02	3.3090+00	1.0434-02	7.2701-03	1.6505-01	2.1387+05	2.6498-03	8.7000-01
23	465.24	1.8227+01	2.9260+00	9.1900-03	2.9260+00	9.1900-03	6.4033-03	1.4537-01	1.8837+05	2.3333-03	1.2590+00
24	466.85	1.6746+01	2.7244+00	8.5671-03	2.7244+00	8.5671-03	5.9693-03	1.3552-01	1.7561+05	2.1753-03	1.6500+00
25	462.60	1.1303+01	1.8559+00	5.8174-03	1.8559+00	5.8174-03	4.0534-03	9.2024-02	1.1924+05	1.4769-03	1.7720+00
26	461.21	2.0707+00	3.4884-01	1.0923-03	3.4884-01	1.0923-03	7.6109-04	1.7279-02	2.2390+04	2.7729-04	1.9200+00
27	464.54	1.4925+00	2.5200-01	7.9107-04	2.5200-01	7.9107-04	5.5119-04	1.2514-02	1.6215+04	2.0085-04	3.0250+00
28	473.57	1.2904+00	2.1920-01	6.9282-04	2.1920-01	6.9282-04	4.8273-04	1.0960-02	1.4201+04	1.7597-04	3.4150+00
29	477.39	3.0021+01	4.7837+00	1.5164-02	4.7837+00	1.5164-02	1.0566-02	2.3987-01	3.1082+05	3.8521-03	8.7000-01
30	463.80	1.7075+01	2.7300+00	8.5649-03	2.7300+00	8.5649-03	5.9677-03	1.3549-01	1.7556+05	2.1745-03	1.2590+00
31	467.39	1.5988+01	2.5860+00	8.1354-03	2.5860+00	8.1354-03	5.6684-03	1.2869-01	1.6676+05	2.065B-03	1.6500+00
32	465.37	1.0487+01	1.7251+00	5.4186-03	1.7251+00	5.4186-03	3.7755-03	8.5715-02	1.1107+05	1.3758-03	1.7720+00
33	472.71	1.6296+00	2.7181-01	8.5855-04	2.7181-01	8.5855-04	5.9821-04	1.3581-02	1.7598+04	2.1805-04	2.2400+00
34	472.35	9.4753-01	1.5848-01	5.0043-04	1.5848-01	5.0043-04	3.4868-04	7.9162-03	1.0258+04	1.2710-04	3.0250+00
35	499.24	3.6569+01	5.4674+00	1.7625-02	5.4674+00	1.7625-02	1.2280-02	2.7880-01	3.6127+05	4.4814-03	1.1570-01
37	492.05	3.0457+01	4.7776+00	1.5316-02	4.7776+00	1.5316-02	1.0671-02	2.4228-01	3.1393+05	3.8931-03	1.2500+00
38	465.37	2.7387+00	4.5727-01	1.4363-03	4.5727-01	1.4363-03	1.0008-03	2.2721-02	2.9441+04	3.6469-04	1.9200+00
39	475.90	2.4197+00	4.1048-01	1.2997-03	4.1048-01	1.2997-03	9.0557-04	2.0559-02	2.6640+04	3.3014-04	2.2400+00
40	476.72	1.9720+00	3.3960-01	1.0760-03	3.3960-01	1.0760-03	7.4968-04	1.7020-02	2.2054+04	2.7332-04	3.0250+00
41	474.49	1.2395+00	2.1130-01	6.6831-04	2.1130-01	6.6831-04	4.6566-04	1.0572-02	1.3699+04	1.6975-04	3.4150+00
42	533.76	5.2305+01	8.6668+00	2.8709-02	8.6668+00	2.8709-02	2.0003-02	4.5414-01	5.8846+05	7.3108-03	8.7000-01
43	537.88	5.7759+01	9.7740+00	3.2483-02	9.7740+00	3.2483-02	2.2633-02	5.1385-01	6.6583+05	8.2735-03	1.2590+00
44	508.23	4.2275+01	7.0443+00	2.2868-02	7.0443+00	2.2868-02	1.5933-02	3.6174-01	4.6873+05	5.8168-03	1.6500+00
45	488.21	2.3946+01	3.9751+00	1.2705-02	3.9751+00	1.2705-02	8.8527-03	2.0099-01	2.6043+05	3.2291-03	1.7720+00
46	483.64	1.2473+00	2.1017-01	6.6941-04	2.1017-01	6.6941-04	4.6642-04	1.0589-02	1.3721+04	1.7010-04	2.2400+00
47	480.12	2.6281+00	4.4837-01	1.4242-03	4.4837-01	1.4242-03	9.9236-04	2.2530-02	2.9194+04	3.6184-04	3.0250+00
48	470.58	1.8985+01	2.9833+00	9.4079-03	2.9833+00	9.4079-03	6.5551-03	1.4882-01	1.9284+05	2.3892-03	8.7000-01
49	460.49	1.6039+01	2.5745+00	8.0572-03	2.5745+00	8.0572-03	5.6139-03	1.2745-01	1.6515+05	2.0453-03	1.2590+00
50	477.52	2.2816+01	3.7723+00	1.1959-02	3.7723+00	1.1959-02	8.3325-03	1.8917-01	2.4513+05	3.0379-03	1.6500+00
51	472.71	1.3882+01	2.2878+00	7.2263-03	2.2878+00	7.2263-03	5.0351-03	1.1431-01	1.4812+05	1.8353-03	1.7720+00
52	470.30	2.2234+00	3.7356-01	1.1778-03	3.7356-01	1.1778-03	8.2063-04	1.8631-02	2.4142+04	2.9910-04	1.9200+00
53	485.12	1.8504+00	3.1210-01	9.9519-04	3.1210-01	9.9519-04	6.9341-04	1.5743-02	2.0399+04	2.5289-04	2.2400+00
54	480.85	1.3642+00	2.2945-01	7.2924-04	2.2945-01	7.2924-04	5.0811-04	1.1536-02	1.4948+04	1.8528-04	2.6360+00
55	476.96	9.1533-01	1.5356-01	4.8660-04	1.5356-01	4.8660-04	3.3905-04	7.6975-03	9.9742+03	1.2361-04	3.0250+00
56	473.40	8.1870-01	1.3825-01	4.3689-04	1.3825-01	4.3689-04	3.0441-04	6.9111-03	8.9553+03	1.1097-04	3.4150+00
57	517.40	4.7779+01	7.2264+00	2.3629-02	7.2264+00	2.3629-02	1.6464-02	3.7378-01	4.8433+05	6.0128-03	1.1570-01
58	482.49	2.6214+01	4.1781+00	1.3296-02	4.1781+00	1.3296-02	9.2640-03	2.1032-01	2.7253+05	3.3782-03	2.5000-01
59	468.87	1.9595+01	3.1145+00	9.8089-03	3.1145+00	9.8089-03	6.8345-03	1.5516-01	2.0106+05	2.4908-03	4.8300-01
60	465.91	1.7681+01	2.8047+00	8.8134-03	2.8047+00	8.8134-03	6.1409-03	1.3942-01	1.8065+05	2.2378-03	8.7000-01
61	468.64	1.6468+00	2.6333-01	8.2919-04	2.6333-01	8.2919-04	5.7775-04	1.3117-02	1.6996+04	2.1056-04	1.2590+00
62	456.22	1.2336+01	1.9622+00	6.1211-03	1.9622+00	6.1211-03	4.2650-03	9.6828-02	1.2547+05	1.5535-03	1.6500+00
63	455.83	8.2145+00	1.3587+00	4.2373-03	1.3587+00	4.2373-03	2.9524-03	6.7029-02	8.6855+04	1.0754-03	1.7720+00
64	475.94	6.1662-01	1.0522-01	3.3316-04	1.0522-01	3.3316-04	2.3213-04	5.2702-03	6.8290+03	8.4627-05	2.2400+00
65	475.95	1.1538+00	1.9745-01	6.2521-04	1.9745-01	6.2521-04	4.3562-04	9.8900-03	1.2815+04	1.5881-04	3.0250+00
66	515.65	4.6993+01	7.0997+00	2.3182-02	7.0997+00	2.3182-02	1.6152-02	3.6671-01	4.7518+05	5.8987-03	1.1570-01
67	479.47	2.5082+01	3.8771+00	1.2309-02	3.8771+00	1.2309-02	8.5768-03	1.9472-01	2.5231+05	3.1273-03	2.5000-01
68	465.83	1.9785+01	3.1384+00	9.8613-03	3.1384+00	9.8613-03	6.8710-03	1.5599-01	2.0213+05	2.5038-03	4.8300-01
69	457.20	1.5446+01	2.4358+00	7.6043-03	2.4358+00	7.6043-03	5.2984-03	1.2029-01	1.5587+05	1.9301-03	8.7000-01
70	449.05	1.3001+01	2.0770+00	6.4446-03	2.0770+00	6.4446-03	4.4903-03	1.0195-01	1.3210+05	1.6352-03	1.2590+00
71	447.56	1.1904+01	1.9230+00	5.9602-03	1.9230+00	5.9602-03	4.1529-03	9.4283-02	1.2217+05	1.5122-03	1.6500+00
72	445.69	8.3813+00	1.3808+00	4.2738-03	1.3808+00	4.2738-03	2.9778-03	6.7606-02	8.7602+04	1.0842-03	1.7720+00
73	443.41	1.6104+00	2.6646-01	8.2332-04	2.6646-01	8.2332-04	5.7366-04	1.3024-02	1.6876+04	2.0885-04	1.9200+00
74	461.70	7.1117-01	1.1985-01	3.7542-04	1.1985-01	3.7542-04	2.6158-04	5.9387-03	7.6953+03	9.5305-05	2.2400+00
75	477.41	4.6078-01	7.8472-02	2.4875-04	7.8472-02	2.4875-04	1.7332-04	3.9349-03	5.0988+03	6.3190-05	3.0250+00
76	477.66	3.7767-01	6.4517-02	2.0455-04	6.4517-02	2.0455-04	1.4252-04	3.2358-03	4.1928+03	5.1963-05	3.4150+00
77	460.16	1.6208+00	2.6807-01	8.3875-04	2.6807-01	8.3875-04	5.8441-04	1.3268-02	1.7192+04	2.1291-04	2.6360+00
78	454.21	1.5844+00	2.6411-01	8.2266-04	2.6411-01	8.2266-04	5.7320-04	1.3014-02	1.6863+04	2.0878-04	3.0250+00
79	457.32	1.6317+00	2.7337-01	8.5348-04	2.7337-01	8.5348-04	5.9468-04	1.3501-02	1.7494+04	2.1663-04	3.4150+00
80	470.72	1.8042+00	3.0589-01	9.6473-04	3.0589-01	9.6473-04	6.7219-04	1.5261-02	1.9775+04	2.4500-04	2.2400+00
81	461.18	1.7662+00	2.9233-01	9.1535-04	2.9233-01	9.1535-04	6.3778-04	1.4480-02	1.8762+04	2.3237-04	2.6360+00
82	456.83	1.8026+00	2.9836-01	9.3118-04	2.9836-01	9.3118-04	6.4881-04	1.4730-02	1.9087+04	2.3634-04	3.0250+00
83	461.00	1.6722+00	2.8003-01	8.7671-04	2.8003-01	8.7671-04	6.1086-04	1.3869-02	1.7970+04	2.2256-04	3.4150+00
401	561.53	7.1920+01	6.3802+00	2.1615-02	6.3802+00	2.1615-02	1.5060-02	3.4192-01	4.4305+05	5.5110-03	4.4500-01
403	536.60	4.8719+01	4.2575+00	1.4135-02	4.2575+00	1.4135-02	9.8488-03	2.2360-01	2.8973+05	3.6000-03	6.8600-01
404	534.01	4.4792+01	3.9080+00	1.2948-02	3.9080+00	1.2948-02	9.0216-03	2.0482-01	2.6540+05	3.2972-03	8.0100-01
405	549.83	5.8041+01	5.1131+00	1.7158-02	5.1131+00	1.7158-02	1.1955-02	2.7141-01	3.5169+05	4.3723-03	1.0510+00
406	591.70	-3.6343-03	-3.2813-04	-1.1398-06	-3.2813-04	-1.1398-06	-7.9417-07	-1.8030-05	-2.3363+01	-2.9101-07	1.1670+00
407	591.01	9.1073+01	8.3653+00	2.9041-02	8.3653+00	2.9041-02	2.0235-02	4.5939-01	5.9527+05	7.4144-03	1.2830+00
408	527.10	5.2974+01	4.6022+00	1.5164-02	4.6022+00	1.5164-02	1.0566-02	2.3988-01	3.1082+05	3.8604-03	5.1300-01
409	492.24	3.1590+01	2.7162+00	8.7087-03	2.7162+00	8.7087-03	6.0679-03	1.3776-01	1.7851+05	2.2137-03	5.7000-01
410	506.56	3.7044+01	3.2146+00	1.0422-02	3.2146+00	1.0422-02	7.2616-03	1.6486-01	2.1362+05	2.6508-03	6.2800-01
411	485.60	2.9482+01	2.5240+00	8.0513-03	2.5240+00	8.0513-03	5.6099-03	1.2736-01	1.6503+05	2.0460-03	6.8600-01
412	509.20	3.9889+01	3.4673+00	1.1264-02	3.4673+00	1.1264-02	7.8486-03	1.7819-01	2.3089+05	2.8654-03	7.4400-01
413	503.48	3.6557+01	3.1662+00	1.0240-02	3.1662+00	1.0240-02	7.1350-03	1.6199-01	2.0990+05	2.6042-03	8.0100-01
414	510.75	3.5900+01	3.0871+00	1.0041-02	3.0871+00	1.0041-02	6.9965-03	1.5884-01	2.0582+05	2.5545-03	8.5900-01
415	492.35	2.7982+01	2.3921+00	7.6703-03	2.3921+00	7.6703-03	5.3444-03	1.2133-01	1.5722+05	1.9497-03	9.1700-01
416	513.91	4.1339+01	3.5197+00	1.1477-02	3.5197+00	1.1477-02	7.9968-03	1.8155-01	2.3525+05	2.9201-03	5.7000-01
417	541.27	6.3737+01	5.6519+00	1.8835-02	5.6519+00	1.8835-02	1.3123-02	2.9794-01	3.8607+05	4.7979-03	1.0520+00

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161 4 6.88 -5.12 .00 -.00 404 2 3.10 10.09 459.5 1719.3

8.35990+01 9.82883-03 7.00968-01 4.52216+03 9.86422-06 6.77152-08 5.52657-02 7.72000+00 6.99191-06 7.47666-02

1	651.22	9.2341+01	1.6720+01	6.1156-02	1.6720+01	6.1156-02	4.2611-02	9.6741-01	1.2536+06	1.5655-02	.0000+00
2	572.38	6.1664+01	9.5776+00	3.2743-02	9.5776+00	3.2743-02	2.2814-02	5.1795-01	6.7115+05	8.3511-03	1.1570-01
3	519.36	3.7079+01	6.0513+00	1.9820-02	6.0513+00	1.9820-02	1.3810-02	3.1353-01	4.0626+05	5.0432-03	2.5000-01
4	500.08	2.9647+01	4.8096+00	1.5517-02	4.8096+00	1.5517-02	1.0811-02	2.4546-01	3.1805+05	3.9449-03	4.8300-01
5	483.94	2.3862+01	3.8188+00	1.2168-02	3.8188+00	1.2168-02	8.4781-03	1.9248-01	2.4941+05	3.0914-03	8.7000-01
6	474.89	2.0381+01	3.3030+00	1.0452-02	3.3030+00	1.0452-02	7.2825-03	1.6534-01	2.1424+05	2.6544-03	1.2590+00
7	471.87	1.7899+01	2.8861+00	9.1116-03	2.8861+00	9.1116-03	6.3486-03	1.4413-01	1.8677+05	2.3137-03	1.6500+00
8	465.78	1.2503+01	2.0821+00	6.5429-03	2.0821+00	6.5429-03	4.5589-03	1.0350-01	1.3411+05	1.6610-03	1.7720+00
9	453.38	2.7153+00	4.5503-01	1.4167-03	4.5503-01	1.4167-03	9.8709-04	2.2410-02	2.9038+04	3.5946-04	1.9200+00
10	464.60	1.8733+00	3.1909-01	1.0018-03	3.1909-01	1.0018-03	6.9805-04	1.5848-02	2.0535+04	2.5432-04	2.2400+00
11	460.34	1.7522+00	3.0020-01	9.3952-04	3.0020-01	9.3952-04	6.5463-04	1.4862-02	1.9258+04	2.3846-04	2.6360+00
12	458.71	1.7616+00	3.0060-01	9.3964-04	3.0060-01	9.3964-04	6.5471-04	1.4864-02	1.9260+04	2.3847-04	3.0250+00
13	464.91	1.6919+00	2.8993-01	9.1053-04	2.8993-01	9.1053-04	6.3443-04	1.4404-02	1.8664+04	2.3115-04	3.4150+00
14	576.93	6.0216+01	9.4094+00	3.2289-02	9.4094+00	3.2289-02	2.2498-02	5.1078-01	6.6185+05	8.2371-03	1.1570-01
15	513.43	3.4116+01	5.5818+00	1.8197-02	5.5818+00	1.8197-02	1.2679-02	2.8785-01	3.7299+05	4.6291-03	2.5000-01
16	496.15	2.7311+01	4.3781+00	1.4082-02	4.3781+00	1.4082-02	9.8116-03	2.2275-01	2.8864+05	3.5795-03	4.8300-01
17	479.85	2.0975+01	3.3582+00	1.0667-02	3.3582+00	1.0667-02	7.4322-03	1.6873-01	2.1864+05	2.7095-03	8.7000-01
18	474.43	1.9466+01	3.1345+00	9.9149-03	3.1345+00	9.9149-03	6.9084-03	1.5684-01	2.0323+05	2.5180-03	1.2590+00
19	471.96	1.6767+01	2.7204+00	8.5889-03	2.7204+00	8.5889-03	5.9845-03	1.3587-01	1.7605+05	2.1810-03	1.6500+00
20	461.54	9.8332+00	1.6425+00	5.1450-03	1.6425+00	5.1450-03	3.5849-03	8.1388-02	1.0546+05	1.3059-03	1.7720+00
21	486.40	2.2219+01	3.5281+00	1.1263-02	3.5281+00	1.1263-02	7.8476-03	1.7816-01	2.3086+05	2.8618-03	4.8300-01
22	480.67	2.0145+01	3.2573+00	1.0353-02	3.2573+00	1.0353-02	7.2134-03	1.6377-01	2.1220+05	2.6299-03	8.7000-01
23	474.28	1.7966+01	2.9015+00	9.1771-03	2.9015+00	9.1771-03	6.3943-03	1.4517-01	1.8811+05	2.3306-03	1.2590+00
24	475.15	1.6517+01	2.7020+00	8.5518-03	2.7020+00	8.5518-03	5.9586-03	1.3528-01	1.7529+05	2.1719-03	1.6500+00
25	468.18	1.1168+01	1.8405+00	5.7944-03	1.8405+00	5.7944-03	4.0374-03	9.1661-02	1.1877+05	1.4712-03	1.7720+00
26	462.25	2.2151+00	3.7344-01	1.1704-03	3.7344-01	1.1704-03	8.1551-04	1.8515-02	2.3991+04	2.9709-04	1.9200+00
27	465.30	1.5907+00	2.6872-01	8.4415-04	2.6872-01	8.4415-04	5.8817-04	1.3353-02	1.7303+04	2.1430-04	3.0250+00
28	474.20	1.3756+00	2.3377-01	7.3934-04	2.3377-01	7.3934-04	5.1515-04	1.1695-02	1.5155+04	1.8776-04	3.4150+00
29	492.83	3.1166+01	5.0167+00	1.6094-02	5.0167+00	1.6094-02	1.1214-02	2.5459-01	3.2990+05	4.0906-03	8.7000-01
30	472.47	1.7693+01	2.8453+00	8.9869-03	2.8453+00	8.9869-03	6.2617-03	1.4216-01	1.8421+05	2.2821-03	1.2590+00
31	475.44	1.6297+01	2.6502+00	8.3896-03	2.6502+00	8.3896-03	5.8456-03	1.3271-01	1.7197+05	2.1307-03	1.6500+00
32	470.61	1.0459+01	1.7266+00	5.4457-03	1.7266+00	5.4457-03	3.7943-03	8.6144-02	1.1162+05	1.3828-03	1.7720+00
33	473.54	1.6525+00	2.7578-01	8.7175-04	2.7578-01	8.7175-04	6.0740-04	1.3790-02	1.7869+04	2.2138-04	2.2400+00
34	472.76	8.0312-01	1.3436-01	4.2447-04	1.3436-01	4.2447-04	2.9576-04	6.7146-03	8.7006+03	1.0779-04	3.0250+00
35	517.00	3.4687+01	5.2450+00	1.7147-02	5.2450+00	1.7147-02	1.1948-02	2.7125-01	3.5148+05	4.3627-03	1.1570-01
37	507.23	3.0218+01	4.7865+00	1.5528-02	4.7865+00	1.5528-02	1.0820-02	2.4564-01	3.1830+05	3.9492-03	1.2500+00
38	466.79	2.8623+00	4.7837-01	1.5044-03	4.7837-01	1.5044-03	1.0482-03	2.3799-02	3.0838+04	3.8195-04	1.9200+00
39	477.12	2.5434+00	4.3180-01	1.3687-03	4.3180-01	1.3687-03	9.5365-04	2.1651-02	2.8055+04	3.4763-04	2.2400+00
40	477.77	2.1023+00	3.6231-01	1.1490-03	3.6231-01	1.1490-03	8.0057-04	1.8176-02	2.3551+04	2.9184-04	3.0250+00
41	475.15	1.3771+00	2.3487-01	7.4335-04	2.3487-01	7.4335-04	5.1794-04	1.1759-02	1.5237+04	1.8879-04	3.4150+00
42	558.22	4.6371+01	7.7982+00	2.6351-02	7.7982+00	2.6351-02	1.8361-02	4.1685-01	5.4014+05	6.7167-03	8.7000-01
43	565.24	5.2197+01	8.9793+00	3.0517-02	8.9793+00	3.0517-02	2.1263-02	4.8275-01	6.2553+05	7.7810-03	1.2590+00
44	529.02	4.0591+01	6.8524+00	2.2616-02	6.8524+00	2.2616-02	1.5758-02	3.5776-01	4.6358+05	5.7572-03	1.6500+00
45	500.01	2.3301+01	3.8976+00	1.2574-02	3.8976+00	1.2574-02	8.7610-03	1.9890-01	2.5773+05	3.1967-03	1.7720+00
46	484.27	1.3060+00	2.2016-01	7.0165-04	2.2016-01	7.0165-04	4.8889-04	1.1099-02	1.4382+04	1.7827-04	2.2400+00
47	481.45	2.6078+00	4.4530-01	1.4162-03	4.4530-01	1.4162-03	9.8672-04	2.2402-02	2.9028+04	3.5975-04	3.0250+00
48	480.12	1.9130+01	3.0252+00	9.6111-03	3.0252+00	9.6111-03	6.6967-03	1.5204-01	1.9701+05	2.4414-03	8.7000-01
49	468.73	1.6744+01	2.7025+00	8.5117-03	2.7025+00	8.5117-03	5.9307-03	1.3465-01	1.7447+05	2.1611-03	1.2590+00
50	488.71	2.1880+01	3.6442+00	1.1654-02	3.6442+00	1.1654-02	8.1202-03	1.8436-01	2.3888+05	2.9615-03	1.6500+00
51	479.55	1.3509+01	2.2365+00	7.1024-03	2.2365+00	7.1024-03	4.9487-03	1.1235-01	1.4558+05	1.8041-03	1.7720+00
52	471.40	2.2421+00	3.7698-01	1.1897-03	3.7698-01	1.1897-03	8.2896-04	1.8820-02	2.4387+04	3.0210-04	1.9200+00
53	486.02	1.7470+00	2.9484-01	9.4093-04	2.9484-01	9.4093-04	6.5561-04	1.4884-02	1.9287+04	2.3908-04	2.2400+00
54	481.52	1.2831+00	2.1591-01	6.8668-04	2.1591-01	6.8668-04	4.7845-04	1.0862-02	1.4075+04	1.7444-04	2.6360+00
55	477.45	9.5636-01	1.6050-01	5.0885-04	1.6050-01	5.0885-04	3.5455-04	8.0494-03	1.0430+04	1.2924-04	3.0250+00
56	473.80	8.4676-01	1.4302-01	4.5219-04	1.4302-01	4.5219-04	3.1507-04	7.1531-03	9.2687+03	1.1483-04	3.4150+00
57	541.31	4.7696+01	7.3213+00	2.4403-02	7.3213+00	2.4403-02	1.7003-02	3.8602-01	5.0020+05	6.2153-03	1.1570-01
58	495.54	2.6057+01	4.1885+00	1.3465-02	4.1885+00	1.3465-02	9.3822-03	2.1301-01	2.7601+05	3.4228-03	2.5000-01
59	478.58	1.9279+01	3.0842+00	9.7867-03	3.0842+00	9.7867-03	6.8190-03	1.5481-01	2.0060+05	2.4859-03	4.8300-01
60	474.65	1.7297+01	2.7598+00	8.7312-03	2.7598+00	8.7312-03	6.0836-03	1.3812-01	1.7897+05	2.2174-03	8.7000-01
61	469.44	1.5621+00	2.4992-01	7.8757-04	2.4992-01	7.8757-04	5.4875-04	1.2458-02	1.6143+04	1.9997-04	1.2590+00
62	462.43	1.2441+01	1.9872+00	6.2291-03	1.9872+00	6.2291-03	4.3402-03	9.8536-02	1.2768+05	1.5811-03	1.6500+00
63	459.95	8.1543+00	1.3525+00	4.2317-03	1.3525+00	4.2317-03	2.9485-03	6.6941-02	8.6740+04	1.0740-03	1.7720+00
64	476.25	6.8156-01	1.1632-01	3.6847-04	1.1632-01	3.6847-04	2.5673-04	5.8287-03	7.5527+03	9.3583-05	2.2400+00
65	476.51	1.1444+00	1.9592-01	6.2073-04	1.9592-01	6.2073-04	4.3250-04	9.8192-03	1.2723+04	1.5765-04	3.0250+00
66	539.20	4.6965+01	7.2030+00	2.3968-02	7.2030+00	2.3968-02	1.6700-02	3.7914-01	4.9128+05	6.1040-03	1.1570-01
67	491.95	2.4858+01	3.8741+00	1.2420-02	3.8741+00	1.2420-02	8.6539-03	1.9647-01	2.5458+05	3.1566-03	2.5000-01
68	475.65	1.9565+01	3.1238+00	9.8904-03	3.1238+00	9.8904-03	6.8913-03	1.5645-01	2.0273+05	2.5119-03	4.8300-01
69	465.02	1.5428+01	2.4458+00	7.6817-03	2.4458+00	7.6817-03	5.3524-03	1.2152-01	1.5746+05	1.9501-03	8.7000-01
70	455.41	1.2870+01	2.0650+00	6.4389-03	2.0650+00	6.4389-03	4.4864-03	1.0186-01	1.3198+05	1.6339-03	1.2590+00
71	453.36	1.1612+01	1.8833+00	5.8634-03	1.8833+00	5.8634-03	4.0854-03	9.2751-02	1.2018+05	1.4877-03	1.6500+00
72	449.85	7.9215+00	1.3088+00	4.0640-03	1.3088+00	4.0640-03	2.8317-03	6.4288-02	8.3303+04	1.0310-03	1.7720+00
73	444.19	1.5907+00	2.6333-01	8.1426-04	2.6333-01	8.1426-04	5.6735-04	1.2881-02	1.6690+04	2.0653-04	1.9200+00
74	462.04	7.4961-01	1.2636-01	3.9597-04	1.2636-01	3.9597-04	2.7590-04	6.2638-03	8.1164+03	1.0051-04	2.2400+00
75	477.62	4.1507-01	7.0697-02	2.2417-04	7.0697-02	2.2417-04	1.5620-04	3.5462-03	4.5950+03	5.6939-05	3.0250+00
76	477.88	4.0208-01	6.8697-02	2.1788-04	6.8697-02	2.1788-04	1.5181-04	3.4465-03	4.4659+03	5.5340-05	3.4150+00
77	461.04	1.7278+00	2.8594-01	8.9538-04	2.8594-01	8.9538-04	6.2387-04	1.4164-02	1.8353+04	2.2726-04	2.6360+00
78	455.03	1.7065+00	2.8462-01	8.8722-04	2.8462-01	8.8722-04	6.1819-04	1.4035-02	1.8186+04	2.2513-04	3.0250+00
79	458.15	1.6296+00	2.7317-01	8.5354-04	2.7317-01	8.5354-04	5.9472-04	1.3502-02	1.7496+04	2.1662-04	3.4150+00
80	471.60	1.8390+00	3.1198-01	9.8474-04	3.1198-01	9.8474-04	6.8613-04	1.5577-02	2.0185+04	2.5005-04	2.2400+00
81	462.08	1.7891+00	2.9630-01	9.2853-04	2.9630-01	9.2853-04	6.4697-04	1.4688-02	1.9033+04	2.3569-04	2.6360+00
82	457.74	1.7621+00	2.9183-01	9.1157-04	2.9183-01	9.1157-04	6.3515-04	1.4420-02	1.8685+04	2.3134-04	3.0250+00
83	461.81	1.7127+00	2.8698-01	8.9913-04	2.8698-01	8.9913-04	6.2648-04	1.4223-02	1.8430+04	2.2822-04	3.4150+00
401	596.90	6.9252+01	6.2710+00	2.1882-02	6.2710+00	2.1882-02	1.5247-02	3.4615-01	4.4854+05	5.5874-03	4.4500-01
403	559.83	4.4683+01	3.9549+00	1.3399-02	3.9599+00	1.3399-02	9.3358-03	2.1195-01	2.7464+05	3.4155-03	6.8600-01
404	555.33	4.0938+01	3.6183+00	1.2198-02	3.6183+00	1.2198-02	8.4990-03	1.9295-01	2.5003+05	3.1087-03	8.0100-01
405	576.96	5.0791+01	4.5469+00	1.5603-02	4.5469+00	1.5603-02	1.0872-02	2.4683-01	3.1983+05	3.9805-03	1.0510+00
406	591.71	-3.1150-03	-2.8124-04	-9.7709-07	-2.8124-04	-9.7709-07	-6.8080-07	-1.5456-05	-2.0028+01	-2.4943-07	1.1670+00
407	634.46	8.3015+01	7.8119+00	2.8154-02	7.8119+00	2.8154-02	1.9617-02	4.4536-01	5.7708+05	7.2013-03	1.2830+00
408	553.88	5.3818+01	4.7526+00	1.6003-02	4.7526+00	1.6003-02	1.1150-02	2.5315-01	3.2802+05	4.0782-03	5.1300-01
409	508.71	3.3989+01	2.9535+00	9.5931-03	2.9535+00	9.5931-03	6.6841-03	1.5175-01	1.9664+05	2.4399-03	5.7000-01
410	525.36	3.7921+01	3.3299+00	1.0958-02	3.3299+00	1.0958-02	7.6354-03	1.7335-01	2.2462+05	2.7891-03	6.2800-01
411	500.91	3.1411+01	2.7160+00	8.7680-03	2.7160+00	8.7680-03	6.1092-03	1.3870-01	1.7972+05	2.2292-03	6.8600-01
412	529.24	3.9953+01	3.5168+00	1.1609-02	3.5168+00	1.1609-02	8.0889-03	1.8364-01	2.3796+05	2.9552-03	7.4400-01
413	521.42	3.5468+01	3.1068+00	1.0192-02	3.1068+00	1.0192-02	7.1017-03	1.6123-01	2.0892+05	2.5937-03	8.0100-01
414	528.57	3.5180+01	3.0590+00	1.0092-02	3.0590+00	1.0092-02	7.0320-03	1.5965-01	2.0687+05	2.5690-03	8.5900-01
415	506.31	2.7881+01	2.4049+00	7.7965-03	2.4049+00	7.7965-03	5.4323-03	1.2333-01	1.5981+05	1.9827-03	9.1700-01
416	535.07	4.2975+01	3.7076+00	1.2296-02	3.7076+00	1.2296-02	8.5676-03	1.9451-01	2.5204+05	3.1309-03	5.7000-01
417	572.49	6.0162+01	5.4353+00	1.8583-02	5.4353+00	1.8583-02	1.2948-02	2.9396-01	3.8091+05	4.7397-03	1.0520+00

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162 4 1.82 -10.18 .00 -.00 404 2 1.85 10.09 461.0 1719.9

8.36316+01 9.85909-03 7.03160-01 4.52315+03 9.89074-06 6.77416-08 5.54048-02 7.72000+00 6.99500-06 7.47627-02

1	522.54	1.1317+02	1.9028+01	6.2431-02	1.9028+01	6.2431-02	4.3374-02	9.8612-01	1.2791+06	1.5891-02	.0000+00
2	501.45	7.3816+01	1.0977+01	3.5425-02	1.0977+01	3.5425-02	2.4612-02	5.5956-01	7.2581+05	9.0090-03	1.1570-01
3	482.51	4.5124+01	7.1922+00	2.2874-02	7.1922+00	2.2874-02	1.5891-02	3.6130-01	4.6865+05	5.8122-03	2.5000-01
4	474.10	3.5653+01	5.6866+00	1.7970-02	5.6866+00	1.7970-02	1.2484-02	2.8384-01	3.6817+05	4.5645-03	4.8300-01
5	466.30	2.7902+01	4.4134+00	1.3864-02	4.4134+00	1.3864-02	9.6322-03	2.1899-01	2.8406+05	3.5205-03	8.7000-01
6	461.68	2.3052+01	3.7032+00	1.1593-02	3.7032+00	1.1593-02	8.0540-03	1.8311-01	2.3752+05	2.9431-03	1.2590+00
7	460.99	2.0168+01	3.2283+00	1.0101-02	3.2283+00	1.0101-02	7.0176-03	1.5955-01	2.0695+05	2.5643-03	1.6500+00
8	461.10	1.5395+01	2.5555+00	7.9964-03	2.5555+00	7.9964-03	5.5555-03	1.2631-01	1.6383+05	2.0300-03	1.7720+00
9	458.85	3.5190+00	5.9190-01	1.8490-03	5.9190-01	1.8490-03	1.2846-03	2.9206-02	3.7883+04	4.6936-04	1.9200+00
10	463.89	2.7943+00	4.7575-01	1.4918-03	4.7575-01	1.4918-03	1.0364-03	2.3563-02	3.0565+04	3.7877-04	2.2400+00
11	457.42	2.6925+00	4.6038-01	1.4366-03	4.6038-01	1.4366-03	9.9807-04	2.2691-02	2.9434+04	3.6465-04	2.6360+00
12	456.85	2.7309+00	4.6543-01	1.4517-03	4.6543-01	1.4517-03	1.0086-03	2.2931-02	2.9744+04	3.6849-04	3.0250+00
13	464.78	2.6426+00	4.5280-01	1.4208-03	4.5280-01	1.4208-03	9.8708-04	2.2442-02	2.9110+04	3.6075-04	3.4150+00
14	506.59	6.9959+01	1.0473+01	3.3935-02	1.0473+01	3.3935-02	2.3576-02	5.3602-01	6.9528+05	8.6319-03	1.1570-01
15	478.69	3.9577+01	6.3316+00	2.0078-02	6.3316+00	2.0078-02	1.3949-02	3.1714-01	4.1137+05	5.1010-03	2.5000-01
16	471.60	3.1958+01	5.0412+00	1.5900-02	5.0412+00	1.5900-02	1.1047-02	2.5115-01	3.2577+05	4.0384-03	4.8300-01
17	465.51	2.4915+01	3.9512+00	1.2405-02	3.9512+00	1.2405-02	8.6182-03	1.9594-01	2.5416+05	3.1498-03	8.7000-01
18	461.60	2.1572+01	3.4440+00	1.0781-02	3.4440+00	1.0781-02	7.4898-03	1.7028-01	2.2088+05	2.7369-03	1.2590+00
19	461.16	1.8302+01	2.9480+00	9.2250-03	2.9480+00	9.2250-03	6.4090-03	1.4571-01	1.8901+05	2.3420-03	1.6500+00
20	459.29	1.0734+01	1.7901+00	5.5938-03	1.7901+00	5.5938-03	3.8863-03	8.8356-02	1.1461+05	1.4200-03	1.7720+00
21	468.90	2.6059+01	4.0904+00	1.2875-02	4.0904+00	1.2875-02	8.9447-03	2.0336-01	2.6379+05	3.2696-03	4.8300-01
22	467.29	2.4047+01	3.8537+00	1.2115-02	3.8537+00	1.2115-02	8.4168-03	1.9136-01	2.4822+05	3.0764-03	8.7000-01
23	462.96	1.9464+01	3.1198+00	9.7758-03	3.1198+00	9.7758-03	6.7917-03	1.5441-01	2.0029+05	2.4820-03	1.2590+00
24	463.80	1.7246+01	2.7999+00	8.7792-03	2.7999+00	8.7792-03	6.0993-03	1.3867-01	1.7987+05	2.2290-03	1.6500+00
25	463.23	1.2222+01	2.0076+00	6.2920-03	2.0076+00	6.2920-03	4.3713-03	9.9384-02	1.2891+05	1.5975-03	1.7720+00
26	465.90	2.4431+00	4.1290-01	1.2967-03	4.1290-01	1.2967-03	9.0086-04	2.0482-02	2.6567+04	3.2925-04	1.9200+00
27	461.48	1.9475+00	3.2816-01	1.0272-03	3.2816-01	1.0272-03	7.1361-04	1.6224-02	2.1045+04	2.6077-04	3.0250+00
28	473.58	1.8203+00	3.0921-01	9.7673-04	3.0921-01	9.7673-04	6.7858-04	1.5428-02	2.0012+04	2.4809-04	3.4150+00
29	463.86	1.3282+01	2.0975+00	6.5768-03	2.0975+00	6.5768-03	4.5692-03	1.0388-01	1.3475+05	1.6699-03	8.7000-01
30	465.02	1.5751+01	2.5203+00	7.9098-03	2.5203+00	7.9098-03	5.4953-03	1.2494-01	1.6206+05	2.0084-03	1.2590+00
31	466.71	1.6362+01	2.6453+00	8.3126-03	2.6453+00	8.3126-03	5.7751-03	1.3130-01	1.7031+05	2.1108-03	1.6500+00
32	467.32	1.0675+01	1.7583+00	5.5277-03	1.7583+00	5.5277-03	3.8403-03	8.7312-02	1.1325+05	1.4037-03	1.7720+00
33	472.29	1.8005+00	3.0024-01	9.4745-04	3.0024-01	9.4745-04	6.5823-04	1.4965-02	1.9412+04	2.4064-04	2.2400+00
34	470.42	1.4488+00	2.4201-01	7.6262-04	2.4201-01	7.6262-04	5.2983-04	1.2046-02	1.5625+04	1.9368-04	3.0250+00
35	469.70	2.0591+01	3.0195+00	9.5099-03	3.0195+00	9.5099-03	6.6070-03	1.5021-01	1.9484+05	2.4152-03	1.1570-01
36	474.73	2.9815+01	4.6239+00	1.4619-02	4.6239+00	1.4619-02	1.0156-02	2.3091-01	2.9952+05	3.7134-03	1.2500+00
37	474.52	2.3844+00	4.0056-01	1.2662-03	4.0056-01	1.2662-03	8.7968-04	2.0000-02	2.5942+04	3.2163-04	1.9200+00
38	477.03	1.7101+00	2.9032-01	9.1947-04	2.9032-01	9.1947-04	6.3879-04	1.4523-02	1.8838+04	2.3358-04	2.2400+00
39	467.25	1.7101+00	2.9266-01	9.2004-04	2.9266-01	9.2004-04	6.3919-04	1.4532-02	1.8850+04	2.3363-04	3.0250+00
40	475.42	1.0603+00	1.8086-01	5.7209-04	1.8086-01	5.7209-04	3.9745-04	9.0363-03	1.1721+04	1.4532-04	3.4150+00
41	477.65	3.2283+01	5.1612+00	1.6354-02	5.1612+00	1.6354-02	1.1362-02	2.5831-01	3.3506+05	4.1546-03	8.7000-01
42	477.10	2.8005+01	4.5592+00	1.4440-02	4.5592+00	1.4440-02	1.0032-02	2.2809-01	2.9586+05	3.6684-03	1.2590+00
43	480.87	2.6043+01	4.2634+00	1.3542-02	4.2634+00	1.3542-02	9.4084-03	2.1390-01	2.7746+05	3.4408-03	1.6500+00
44	478.35	1.4581+01	2.4048+00	7.6239-03	2.4048+00	7.6239-03	5.2966-03	1.2042-01	1.5620+05	1.9369-03	1.7720+00
45	485.59	3.5039+00	5.9118-01	1.8846-03	5.9118-01	1.8846-03	1.3093-03	2.9768-02	3.8613+04	4.7894-04	2.2400+00
46	476.96	2.2109+00	3.7642-01	1.1921-03	3.7642-01	1.1921-03	8.2819-04	1.8829-02	2.4424+04	3.0263-04	3.0250+00
47	465.99	1.9426+01	3.0433+00	9.5578-03	3.0433+00	9.5578-03	6.6402-03	1.5097-01	1.9583+05	2.4269-03	8.7000-01
48	465.61	2.1734+01	3.5006+00	1.0991-02	3.5006+00	1.0991-02	7.6360-03	1.7361-01	2.2519+05	2.7908-03	1.2590+00
49	473.68	2.5318+01	4.1753+00	1.3190-02	4.1753+00	1.3190-02	9.1636-03	2.0834-01	2.7024+05	3.3503-03	1.6500+00
50	472.07	1.3295+01	2.1902+00	6.9106-03	2.1902+00	6.9106-03	4.8011-03	1.0915-01	1.4159+05	1.7552-03	1.7720+00
51	475.90	1.3086+00	2.2068-01	6.9831-04	2.2068-01	6.9831-04	4.8515-04	1.1030-02	1.4307+04	1.7739-04	1.9200+00
52	482.99	6.3532-01	1.0701-01	3.4046-04	1.0701-01	3.4046-04	2.3653-04	5.3776-03	6.9754+03	8.6512-05	2.2400+00
53	477.93	6.0623-01	1.0174-01	3.2235-04	1.0174-01	3.2235-04	2.2395-04	5.0917-03	6.6045+03	8.1893-05	2.6360+00
54	473.14	9.2311-01	1.5447-01	4.8779-04	1.5447-01	4.8779-04	3.3889-04	7.7048-03	9.9940+03	1.2390-04	3.0250+00
55	471.47	1.3683+00	2.3076-01	7.2774-04	2.3076-01	7.2774-04	5.0559-04	1.1495-02	1.4910+04	1.8483-04	3.4150+00
56	481.90	4.0931+01	6.0511+00	1.9236-02	6.0511+00	1.9236-02	1.3364-02	3.0384-01	3.9411+05	4.8877-03	1.1570-01
57	465.08	2.1704+01	3.4196+00	1.0732-02	3.4196+00	1.0732-02	7.4562-03	1.6952-01	2.1989+05	2.7251-03	2.5000-01
58	458.46	1.4850+01	2.3438+00	7.3195-03	2.3438+00	7.3195-03	5.0852-03	1.1561-01	1.4997+05	1.8580-03	4.8300-01
59	462.09	2.0659+01	3.2687+00	1.0236-02	3.2687+00	1.0236-02	7.1112-03	1.6168-01	2.0972+05	2.5987-03	8.7000-01
60	467.37	2.0145+00	3.2187-01	1.0119-03	3.2187-01	1.0119-03	7.0304-04	1.5984-02	2.0733+04	2.5697-04	1.2590+00
61	455.12	8.8935+00	1.4136+00	4.4035-03	1.4136+00	4.4035-03	3.0593-03	6.9555-02	9.0221+04	1.1176-03	1.6500+00
62	458.21	6.7610+00	1.1201+00	3.4973-03	1.1201+00	3.4973-03	2.4297-03	5.5242-02	7.1655+04	8.8776-04	1.7720+00
63	476.19	1.1782+00	2.0107-01	6.3641-04	2.0107-01	6.3641-04	4.4214-04	1.0052-02	1.3039+04	1.6167-04	2.2400+00
64	471.79	8.3584-01	1.4265-01	4.4998-04	1.4265-01	4.4998-04	3.1262-04	7.1076-03	9.2194+03	1.1429-04	3.0250+00
65	479.64	3.8351+01	5.6612+00	1.7965-02	5.6612+00	1.7965-02	1.2481-02	2.8377-01	3.6808+05	4.5644-03	1.1570-01
66	462.94	1.9533+01	2.9863+00	9.3575-03	2.9863+00	9.3575-03	6.5011-03	1.4781-01	1.9172+05	2.3758-03	2.5000-01
67	454.31	1.3002+01	2.0463+00	6.3705-03	2.0463+00	6.3705-03	4.4259-03	1.0062-01	1.3052+05	1.6168-03	4.8300-01
68	448.47	9.8680+00	1.5469+00	4.7950-03	1.5469+00	4.7950-03	3.3313-03	7.5739-02	9.8242+04	1.2167-03	8.7000-01
69	442.72	8.8629+00	1.4097+00	4.3511-03	1.4097+00	4.3511-03	3.0229-03	6.8727-02	8.9147+04	1.1038-03	1.2590+00
70	441.48	8.0514+00	1.2952+00	3.9939-03	1.2952+00	3.9939-03	2.7748-03	6.3085-02	8.1830+04	1.0131-03	1.6500+00
71	442.90	6.3631+00	1.0463+00	3.2297-03	1.0463+00	3.2297-03	2.2439-03	5.1015-02	6.6173+04	8.1931-04	1.7720+00
72	446.20	1.2332+00	2.0445-01	6.3265-04	2.0445-01	6.3265-04	4.3953-04	9.9930-03	1.2962+04	1.6051-04	1.9200+00
73	460.63	5.8441-01	9.8418-02	3.0785-04	9.8418-02	3.0785-04	2.1388-04	4.8627-03	6.3075+03	7.8153-05	2.2400+00
74	471.67	3.6156-01	6.1341-02	1.9348-04	6.1341-02	1.9348-04	1.3442-04	3.0561-03	3.9641+03	4.9141-05	3.0250+00
75	471.10	2.9506-01	5.0187-02	1.5823-04	5.0187-02	1.5823-04	1.0993-04	2.4993-03	3.2419+03	4.0187-05	3.4150+00
76	458.23	2.5538+00	4.2184-01	1.3171-03	4.2184-01	1.3171-03	9.1508-04	2.0805-02	2.6986+04	3.3434-04	2.6360+00
77	453.28	2.4852+00	4.1400-01	1.2879-03	4.1400-01	1.2879-03	8.9476-04	2.0343-02	2.6387+04	3.2685-04	3.0250+00
78	458.23	2.5091+00	4.2063-01	1.3134-03	4.2063-01	1.3134-03	9.1245-04	2.0745-02	2.6909+04	3.3338-04	3.4150+00
79	469.38	2.7636+00	4.6816-01	1.4741-03	4.6816-01	1.4741-03	1.0241-03	2.3284-02	3.0202+04	3.7436-04	2.2400+00
80	458.98	2.6753+00	4.4214-01	1.3813-03	4.4214-01	1.3813-03	9.5966-04	2.1818-02	2.8301+04	3.5064-04	2.6360+00
81	456.24	2.7013+00	4.4693-01	1.3934-03	4.4693-01	1.3934-03	9.6805-04	2.2009-02	2.8549+04	3.5367-04	3.0250+00
82	462.26	2.6177+00	4.3873-01	1.3740-03	4.3873-01	1.3740-03	9.5461-04	2.1703-02	2.8152+04	3.4884-04	3.4150+00
401	529.94	9.4907+01	8.2598+00	2.7260-02	8.2598+00	2.7260-02	1.8939-02	4.3058-01	5.5852+05	6.9411-03	4.4500-01
403	513.02	6.8164+01	5.8699+00	1.9115-02	5.8699+00	1.9115-02	1.3280-02	3.0193-01	3.9164+05	4.8636-03	6.8600-01
404	510.22	6.3223+01	5.4349+00	1.7660-02	5.4349+00	1.7660-02	1.2269-02	2.7894-01	3.6182+05	4.4927-03	8.0100-01
405	491.89	4.2569+01	3.6166+00	1.1585-02	3.6166+00	1.1585-02	8.0488-03	1.8299-01	2.3736+05	2.9450-03	1.0510+00
406	591.72	-2.0777-03	-1.8759-04	-6.5118-07	-1.8759-04	-6.5118-07	-4.5240-07	-1.0286-05	-1.3342+01	-1.6627-07	1.1670+00
407	495.96	5.0297+01	4.3605+00	1.4012-02	4.3605+00	1.4012-02	9.7349-03	2.2133-01	2.8709+05	3.5626-03	1.2830+00
408	503.63	6.4921+01	5.5575+00	1.7965-02	5.5575+00	1.7965-02	1.2481-02	2.8377-01	3.6808+05	4.5692-03	5.1300-01
409	476.93	3.1232+01	2.6586+00	8.4195-03	2.6586+00	8.4195-03	5.8494-03	1.3299-01	1.7250+05	2.1369-03	5.7000-01
410	494.94	4.5586+01	3.9265+00	1.2608-02	3.9265+00	1.2608-02	8.7592-03	1.9914-01	2.5831+05	3.2354-03	6.2800-01
411	473.87	2.0569+01	1.7474+00	5.5208-03	1.7474+00	5.5208-03	3.8356-03	8.7203-02	1.1311+05	1.4023-03	6.8600-01
412	500.23	5.4558+01	4.7153+00	1.5203-02	4.7153+00	1.5203-02	1.0562-02	2.4013-01	3.1148+05	3.8660-03	7.4400-01
413	474.46	2.5629+01	2.1781+00	6.8848-03	2.1781+00	6.8848-03	4.7832-03	1.0875-01	1.4106+05	1.7468-03	8.0100-01
414	505.17	5.8488+01	5.0117+00	1.6221-02	5.0117+00	1.6221-02	1.1269-02	2.5621-01	3.3233+05	4.1257-03	8.5900-01
415	479.12	2.4498+01	2.0762+00	6.5860-03	2.0762+00	6.5860-03	4.5756-03	1.0403-01	1.3494+05	1.6733-03	9.1700-01
416	501.04	5.0684+01	4.2803+00	1.3809-02	4.2803+00	1.3809-02	9.5935-03	2.1811-01	2.8292+05	3.5116-03	9.7000-01
417	519.57	7.0175+01	6.1400+00	2.0098-02	6.1400+00	2.0098-02	1.3963-02	3.1745-01	4.1178+05	5.1151-03	1.0520+00

CONFIDENTIAL

162 4 1.81 -10.19 .00 -.00 404 2 2.10 10.09 461.0 1719.8

8.36226+01 9.85925-03 7.03171-01 4.52290+03 9.89196-06 6.77343-08 5.54146-02 7.72000+00 6.99414-06 7.47638-02

1	550.71	1.0969+02	1.8764+01	6.2960-02	1.8764+01	6.2960-02	4.3738-02	9.9448-01	1.2901+06	1.6051-02	.0000+00
2	520.02	7.3204+01	1.1015+01	3.6063-02	1.1015+01	3.6063-02	2.5053-02	5.6967-01	7.3896+05	9.1812-03	1.1570-01
3	493.93	4.5174+01	7.2538+00	2.3270-02	7.2538+00	2.3270-02	1.6165-02	3.6755-01	4.7682+05	5.9174-03	2.5000-01
4	483.05	3.5428+01	5.6841+00	1.8082-02	5.6841+00	1.8082-02	1.2562-02	2.8562-01	3.7053+05	4.5962-03	4.8300-01
5	473.26	2.7647+01	4.3934+00	1.3872-02	4.3934+00	1.3872-02	9.6370-03	2.1912-01	2.8426+05	3.5246-03	8.7000-01
6	467.44	2.2987+01	3.7070+00	1.1653-02	3.7070+00	1.1653-02	8.0956-03	1.8407-01	2.3879+05	2.9601-03	1.2590+00
7	465.99	2.0029+01	3.2169+00	1.0102-02	3.2169+00	1.0102-02	7.0177-03	1.5956-01	2.0700+05	2.5658-03	1.6500+00
8	464.88	1.5044+01	2.5035+00	7.8550-03	2.5035+00	7.8550-03	5.4568-03	1.2407-01	1.6096+05	1.9950-03	1.7720+00
9	459.73	3.5678+00	6.0047-01	1.8767-03	6.0047-01	1.8767-03	1.3038-03	2.9643-02	3.8456+04	4.7655-04	1.9200+00
10	464.57	2.7148+00	4.6242-01	1.4505-03	4.6242-01	1.4505-03	1.0077-03	2.2912-02	2.9723+04	3.6841-04	2.2400+00
11	458.09	2.7309+00	4.6716-01	1.4583-03	4.6716-01	1.4583-03	1.0131-03	2.3034-02	2.9882+04	3.7027-04	2.6360+00
12	457.52	2.7413+00	4.6741-01	1.4584-03	4.6741-01	1.4584-03	1.0132-03	2.3037-02	2.9885+04	3.7030-04	3.0250+00
13	465.43	2.6286+00	4.5059-01	1.4143-03	4.5059-01	1.4143-03	9.8254-04	2.2340-02	2.8981+04	3.5923-04	3.4150+00
14	524.03	6.9177+01	1.0471+01	3.4389-02	1.0471+01	3.4389-02	2.3890-02	5.4319-01	7.0467+05	8.7567-03	1.1570-01
15	488.66	3.9460+01	6.3544+00	2.0302-02	6.3544+00	2.0302-02	1.4104-02	3.2067-01	4.1600+05	5.1616-03	2.5000-01
16	479.62	3.1819+01	5.0459+00	1.6010-02	5.0459+00	1.6010-02	1.1122-02	2.5268-01	3.2806+05	4.0688-03	4.8300-01
17	471.74	2.4717+01	3.9362+00	1.2414-02	3.9362+00	1.2414-02	8.6241-03	1.9609-01	2.5438+05	3.1539-03	8.7000-01
18	467.01	2.1423+01	3.4326+00	1.0787-02	3.4326+00	1.0787-02	7.4939-03	1.7039-01	2.2104+05	2.7401-03	1.2590+00
19	465.65	1.8082+01	2.9213+00	9.1712-03	2.9213+00	9.1712-03	6.3712-03	1.4486-01	1.8793+05	2.3294-03	1.6500+00
20	461.97	1.0792+01	1.8014+00	5.6397-03	1.8014+00	5.6397-03	3.9179-03	8.9081-02	1.1556+05	1.4322-03	1.7720+00
21	475.37	2.5553+01	4.0283+00	1.2740-02	4.0283+00	1.2740-02	8.8503-03	2.0123-01	2.6105+05	3.2371-03	4.8300-01
22	473.22	2.3519+01	3.7841+00	1.1948-02	3.7841+00	1.1948-02	8.3002-03	1.8872-01	2.4483+05	3.0357-03	8.7000-01
23	467.76	1.9411+01	3.1213+00	9.8148-03	3.1213+00	9.8148-03	6.8183-03	1.5503-01	2.0111+05	2.4931-03	1.2590+00
24	468.13	1.7235+01	2.8062+00	8.8263-03	2.8062+00	8.8263-03	6.1316-03	1.3941-01	1.8086+05	2.2420-03	1.6500+00
25	466.21	1.2007+01	1.9763+00	6.2069-03	1.9763+00	6.2069-03	4.3119-03	9.8041-02	1.2719+05	1.5765-03	1.7720+00
26	466.51	2.4769+00	4.1877-01	1.3156-03	4.1877-01	1.3156-03	9.1391-04	2.0780-02	2.6957+04	3.3415-04	1.9200+00
27	461.97	2.0062+00	3.3817-01	1.0587-03	3.3817-01	1.0587-03	7.3547-04	1.6722-02	2.1694+04	2.6886-04	3.0250+00
28	474.00	1.7636+00	2.9966-01	9.4677-04	2.9968-01	9.4677-04	6.5772-04	1.4955-02	1.9400+04	2.4056-04	3.4150+00
29	467.16	1.4399+01	2.2769+00	7.1624-03	2.2789+00	7.1624-03	4.9757-03	1.1313-01	1.4677+05	1.8193-03	8.7000-01
30	468.81	1.5165+01	2.4327+00	7.6555-03	2.4327+00	7.6555-03	5.3183-03	1.2092-01	1.5687+05	1.9447-03	1.2590+00
31	470.80	1.6378+01	2.6552+00	8.3681-03	2.6552+00	8.3681-03	5.8133-03	1.3218-01	1.7147+05	2.1259-03	1.6500+00
32	469.98	1.0688+01	1.7635+00	5.5546-03	1.7635+00	5.5546-03	3.8588-03	8.7737-02	1.1382+05	1.4111-03	1.7720+00
33	472.74	1.7642+00	2.9426-01	9.2877-04	2.9426-01	9.2877-04	6.4521-04	1.4670-02	1.9031+04	2.3597-04	2.2400+00
34	470.77	1.3938+00	2.3287-01	7.3389-04	2.3287-01	7.3389-04	5.0983-04	1.1592-02	1.5038+04	1.8644-04	3.0250+00
35	475.15	2.2362+01	3.2911+00	1.0407-02	3.2911+00	1.0407-02	7.2296-03	1.6438-01	2.1325+05	2.6443-03	1.1570-01
37	482.22	2.9842+01	4.6511+00	1.4786-02	4.6511+00	1.4786-02	1.0272-02	2.3356-01	3.0299+05	3.7583-03	1.2500+00
38	475.14	2.4678+00	4.1810-01	1.3220-03	4.1810-01	1.3220-03	9.1842-04	2.0882-02	2.7090+04	3.3592-04	1.9200+00
39	477.43	1.6130+00	2.7390-01	8.6760-04	2.7390-01	8.6760-04	6.0272-04	1.3704-02	1.7778+04	2.2047-04	2.2400+00
40	467.64	1.6488+00	2.8225-01	8.8742-04	2.8225-01	8.8742-04	6.1649-04	1.4017-02	1.8184+04	2.2542-04	3.0250+00
41	475.63	8.7740-01	1.4969-01	4.7349-04	1.4969-01	4.7349-04	3.2893-04	7.4790-03	9.7023+03	1.2031-04	3.4150+00
42	485.88	3.2738+01	5.2623+00	1.6777-02	5.2623+00	1.6777-02	1.1655-02	2.6500-01	3.4377+05	4.2649-03	8.7000-01
43	484.48	3.0498+01	4.9893+00	1.5889-02	4.9893+00	1.5889-02	1.1038-02	2.5098-01	3.2559+05	4.0390-03	1.2590+00
44	487.34	2.6071+01	4.2861+00	1.3680-02	4.2861+00	1.3680-02	9.5032-03	2.1608-01	2.8031+05	3.4777-03	1.6500+00
45	481.94	1.4524+01	2.4011+00	7.6319-03	2.4011+00	7.6319-03	5.3019-03	1.2055-01	1.5639+05	1.9398-03	1.7720+00
46	486.49	3.5855+00	6.0529-01	1.9306-03	6.0529-01	1.9306-03	1.3412-03	3.0495-02	3.9561+04	4.9080-04	2.2400+00
47	477.49	2.2551+00	3.8407-01	1.2166-03	3.8407-01	1.2166-03	8.4518-04	1.9217-02	2.4930+04	3.0917-04	3.0250+00
48	470.91	1.9853+01	3.1204+00	9.8352-03	3.1204+00	9.8352-03	6.8325-03	1.5535-01	2.0153+05	2.4986-03	8.7000-01
49	470.98	2.1503+01	3.4759+00	1.0956-02	3.4759+00	1.0956-02	7.6112-03	1.7306-01	2.2450+05	2.7834-03	1.2590+00
50	479.67	2.3770+01	3.9356+00	1.2488-02	3.9356+00	1.2488-02	8.6752-03	1.9725-01	2.5589+05	3.1737-03	1.6500+00
51	475.33	1.2930+01	2.1347+00	6.7509-03	2.1347+00	6.7509-03	4.6899-03	1.0663-01	1.3833+05	1.7154-03	1.7720+00
52	476.70	1.3148+00	2.2178-01	7.0183-04	2.2178-01	7.0183-04	4.8756-04	1.1086-02	1.4381+04	1.7834-04	1.9200+00
53	483.14	5.9844-01	1.0081-01	3.2071-04	1.0081-01	3.2071-04	2.2279-04	5.0657-03	6.5716+03	8.1518-05	2.2400+00
54	477.64	5.4546-01	9.1549-02	2.9004-04	9.1549-02	2.9004-04	2.0149-04	4.5812-03	5.9431+03	7.3704-05	2.6360+00
55	473.33	8.1922-01	1.3711-01	4.3294-04	1.3711-01	4.3294-04	3.0076-04	6.8384-03	8.8713+03	1.1000-04	3.0250+00
56	471.80	1.3792+00	2.3265-01	7.3378-04	2.3265-01	7.3378-04	5.0975-04	1.1590-02	1.5036+04	1.8642-04	3.4150+00
57	492.32	4.1886+01	6.2345+00	1.9975-02	6.2345+00	1.9975-02	1.3877-02	3.1551-01	4.0931+05	5.0793-03	1.1570-01
58	470.55	2.1896+01	3.4623+00	1.0910-02	3.4623+00	1.0910-02	7.5791-03	1.7233-01	2.2356+05	2.7716-03	2.5000-01
59	462.23	1.4942+01	2.3644+00	7.4037-03	2.3644+00	7.4037-03	5.1433-03	1.1694-01	1.5171+05	1.8802-03	4.8300-01
60	467.23	2.0275+01	3.2191+00	1.0118-02	3.2191+00	1.0118-02	7.0289-03	1.5982-01	2.0733+05	2.5700-03	8.7000-01
61	467.87	1.9984+00	3.1940-01	1.0044-03	3.1940-01	1.0044-03	6.9776-04	1.5865-02	2.0582+04	2.5514-04	1.2590+00
62	457.22	8.6286+00	1.3734+00	4.2845-03	1.3734+00	4.2845-03	2.9764-03	6.7675-02	8.7794+04	1.0878-03	1.6500+00
63	459.61	5.8836+00	9.7568-01	3.0491-03	9.7568-01	3.0491-03	2.1182-03	4.8162-02	6.2480+04	7.7426-04	1.7720+00
64	476.45	1.0904+00	1.8612-01	5.8912-04	1.8612-01	5.8912-04	4.0926-04	9.3053-03	1.2072+04	1.4970-04	2.2400+00
65	471.94	7.6779-01	1.3105-01	4.1337-04	1.3105-01	4.1337-04	2.8717-04	6.5294-03	8.4704+03	1.0502-04	3.0250+00
66	489.42	3.9320+01	5.8415+00	1.8674-02	5.8415+00	1.8674-02	1.2973-02	2.9496-01	3.8265+05	4.7479-03	1.1570-01
67	467.86	1.9631+01	3.0112+00	9.4690-03	3.0112+00	9.4690-03	6.5781-03	1.4957-01	1.9403+05	2.4053-03	2.5000-01
68	457.59	1.3268+01	2.0928+00	6.5305-03	2.0928+00	6.5305-03	4.5367-03	1.0315-01	1.3382+05	1.6581-03	4.8300-01
69	450.87	9.6483+00	1.5150+00	4.7036-03	1.5150+00	4.7036-03	3.2676-03	7.4296-02	9.6382+04	1.1939-03	8.7000-01
70	444.82	8.6010+00	1.3701+00	4.2346-03	1.3701+00	4.2346-03	2.9418-03	6.6888-02	8.6772+04	1.0746-03	1.2590+00
71	443.20	7.2810+00	1.1727+00	3.6202-03	1.1727+00	3.6202-03	2.5149-03	5.7182-02	7.4181+04	9.1861-04	1.6500+00
72	444.28	5.8104+00	9.5631-01	2.9546-03	9.5631-01	2.9546-03	2.0526-03	4.6669-02	6.0543+04	7.4977-04	1.7720+00
73	446.48	1.1803+00	1.9570-01	6.0562-04	1.9570-01	6.0562-04	4.2072-04	9.5660-03	1.2410+04	1.5370-04	1.9200+00
74	460.75	5.3299-01	8.9765-02	2.8077-04	8.9765-02	2.8077-04	1.9505-04	4.4348-03	5.7532+03	7.1298-05	2.2400+00
75	471.73	3.6312-01	6.1608-02	1.9430-04	6.1608-02	1.9430-04	1.3498-04	3.0691-03	3.9815+03	4.9364-05	3.0250+00
76	471.14	1.9584-01	3.3312-02	1.0501-04	3.3312-02	1.0501-04	7.2953-05	1.6587-03	2.1519+03	2.6679-05	3.4150+00
77	458.86	2.5216+00	4.1669-01	1.3015-03	4.1669-01	1.3015-03	9.0414-04	2.0557-02	2.6669+04	3.3047-04	2.6360+00
78	453.90	2.5688+00	4.2811-01	1.3322-03	4.2811-01	1.3322-03	9.2548-04	2.1043-02	2.7298+04	3.3820-04	3.0250+00
79	458.84	2.5122+00	4.2132-01	1.3159-03	4.2132-01	1.3159-03	9.1418-04	2.0786-02	2.6965+04	3.3414-04	3.4150+00
80	470.09	2.7751+00	4.7031-01	1.4815-03	4.7031-01	1.4815-03	1.0292-03	2.3400-02	3.0357+04	3.7635-04	2.2400+00
81	459.66	2.6971+00	4.4595-01	1.3937-03	4.4595-01	1.3937-03	9.6821-04	2.2014-02	2.8559+04	3.5390-04	2.6360+00
82	456.89	2.6919+00	4.4558-01	1.3897-03	4.4558-01	1.3897-03	9.6540-04	2.1950-02	2.8476+04	3.5283-04	3.0250+00
83	462.87	2.5423+00	4.2628-01	1.3355-03	4.2628-01	1.3355-03	9.2775-04	2.1094-02	2.7365+04	3.3916-04	3.4150+00
401	553.35	9.2200+01	8.1395+00	2.7369-02	8.1395+00	2.7369-02	1.9013-02	4.3231-01	5.6082+05	6.9783-03	4.4500-01
403	529.16	6.2577+01	5.4435+00	1.7951-02	5.4435+00	1.7951-02	1.2471-02	2.8354-01	3.6784+05	4.5720-03	6.8600-01
404	525.28	5.8693+01	5.0934+00	1.6745-02	5.0934+00	1.6745-02	1.1633-02	2.6450-01	3.4313+05	4.2641-03	8.0100-01
405	502.44	4.2568+01	3.6412+00	1.1758-02	3.6412+00	1.1758-02	8.1683-03	1.8572-01	2.4093+05	2.9912-03	1.0510+00
406	591.71	-2.5969-03	-2.3447-04	-8.1378-07	-2.3447-04	-8.1378-07	-5.6533-07	-1.2854-05	-1.6675+01	-2.0785-07	1.1670+00
407	508.32	4.8938+01	4.2764+00	1.3872-02	4.2764+00	1.3872-02	9.6372-03	2.1912-01	2.8426+05	3.5300-03	1.2830+00
408	519.64	6.4877+01	5.6103+00	1.8362-02	5.6103+00	1.8362-02	1.2756-02	2.9004-01	3.7626+05	4.6747-03	5.1300-01
409	484.75	3.1602+01	2.7040+00	8.8130-03	2.7040+00	8.8130-03	5.9834-03	1.3605-01	1.7649+05	2.1894-03	5.7000-01
410	506.41	4.5953+01	3.9873+00	1.2916-02	3.9873+00	1.2916-02	8.9724-03	2.0401-01	2.6465+05	3.2862-03	6.2800-01
411	479.24	2.2319+01	1.9028+00	6.0356-03	1.9628+00	6.0356-03	4.1929-03	9.5334-02	1.2367+05	1.5339-03	6.8600-01
412	513.61	5.2563+01	4.5818+00	1.4925-02	4.5818+00	1.4925-02	1.0368-02	2.3575-01	3.0583+05	3.7987-03	7.4400-01
413	481.39	2.7503+01	2.3461+00	7.4662-03	2.3481+00	7.4602-03	5.1826-03	1.1784-01	1.5287+05	1.8961-03	8.0100-01
414	519.37	5.5792+01	4.8238+00	1.5785-02	4.8238+00	1.5785-02	1.0966-02	2.4932-01	3.2344+05	4.0185-03	8.5900-01
415	485.23	2.4667+01	2.0969+00	6.6882-03	2.0969+00	6.6882-03	4.6463-03	1.0564-01	1.3705+05	1.7062-03	9.1700-01
416	513.79	5.1547+01	4.3886+00	1.4298-02	4.3886+00	1.4298-02	9.9326-03	2.2584-01	2.9297+05	3.6390-03	9.7000-01
417	535.81	6.2756+01	5.5463+00	1.8388-02	5.5463+00	1.8388-02	1.2774-02	2.9044-01	3.7678+05	4.6846-03	1.0520+00

CONFIDENTIAL

162 4 1.81 -10.19 .00 -.00 404 2 2.35 10.09 461.0 1719.9

8.36316+01 9.85909-03 7.03160-01 4.52315+03 9.89074-06 6.77416-08 5.54048-02 7.72000+00 6.99500-06 7.47627-02

1	577.58	1.0534+02	1.8310+01	6.2813-02	1.8310+01	6.2813-02	4.3639-02	9.9216-01	1.2870+06	1.6028-02	.0000+00
2	538.16	7.2016+01	1.0959+01	3.6405-02	1.0959+01	3.6405-02	2.5292-02	5.7503-01	7.4589+05	9.2730-03	1.1570-01
3	505.13	4.4689+01	7.2279+00	2.3393-02	7.2279+00	2.3393-02	1.6252-02	3.6950-01	4.7928+05	5.9499-03	2.5000-01
4	491.84	3.5110+01	5.6656+00	1.8148-02	5.6656+00	1.8148-02	1.2608-02	2.8666-01	3.7183+05	4.6133-03	4.8300-01
5	480.12	2.7348+01	4.3657+00	1.3859-02	4.3657+00	1.3859-02	9.6286-03	2.1891-01	2.8395+05	3.5213-03	8.7000-01
6	473.17	2.2875+01	3.7031+00	1.1694-02	3.7031+00	1.1694-02	8.1241-03	1.8471-01	2.3959+05	2.9702-03	1.2590+00
7	470.98	1.9953+01	3.2154+00	1.0137-02	3.2154+00	1.0137-02	7.0424-03	1.6011-01	2.0768+05	2.5745-03	1.6500+00
8	468.61	1.4876+01	2.4818+00	7.8100-03	2.4818+00	7.8100-03	5.4260-03	1.2336-01	1.6002+05	1.9834-03	1.7720+00
9	460.63	3.5777+00	6.0250-01	1.8846-03	6.0250-01	1.8846-03	1.3093-03	2.9768-02	3.8613+04	4.7844-04	1.9200+00
10	465.27	2.9029+00	4.9469-01	1.5528-03	4.9469-01	1.5528-03	1.0788-03	2.4527-02	3.1815+04	3.9428-04	2.2400+00
11	458.79	2.7382+00	4.6863-01	1.4639-03	4.6863-01	1.4639-03	1.0170-03	2.3122-02	2.9992+04	3.7159-04	2.6360+00
12	458.22	2.7423+00	4.6781-01	1.4607-03	4.6781-01	1.4607-03	1.0148-03	2.3072-02	2.9927+04	3.7078-04	3.0250+00
13	466.07	2.6135+00	4.4820-01	1.4077-03	4.4820-01	1.4077-03	9.7802-04	2.2236-02	2.8842+04	3.5746-04	3.4150+00
14	541.19	6.8148+01	1.0425+01	3.4715-02	1.0425+01	3.4715-02	2.4118-02	5.4834-01	7.1127+05	8.8438-03	1.1570-01
15	498.47	3.9090+01	6.3348+00	2.0396-02	6.3348+00	2.0396-02	1.4170-02	3.2217-01	4.1789+05	5.1863-03	2.5000-01
16	487.56	3.1577+01	5.0338+00	1.6071-02	5.0338+00	1.6071-02	1.1165-02	2.5385-01	3.2928+05	4.0846-03	4.8300-01
17	477.86	2.4455+01	3.9102+00	1.2392-02	3.9102+00	1.2392-02	8.6090-03	1.9573-01	2.5389+05	3.1481-03	8.7000-01
18	472.33	2.1212+01	3.4108+00	1.0764-02	3.4108+00	1.0764-02	7.4781-03	1.7002-01	2.2054+05	2.7339-03	1.2590+00
19	470.15	1.7926+01	2.9050+00	9.1523-03	2.9050+00	9.1523-03	6.3585-03	1.4456-01	1.8752+05	2.3244-03	1.6500+00
20	464.68	1.0804+01	1.8084+00	5.6741-03	1.8084+00	5.6741-03	3.9421-03	8.9625-02	1.1625+05	1.4407-03	1.7720+00
21	481.69	2.5207+01	3.9903+00	1.2683-02	3.9903+00	1.2683-02	8.8113-03	2.0033-01	2.5985+05	3.2226-03	4.8300-01
22	479.04	2.3043+01	3.7217+00	1.1805-02	3.7217+00	1.1805-02	8.2015-03	1.8646-01	2.4187+05	2.9992-03	8.7000-01
23	472.66	1.9478+01	3.1425+00	9.9194-03	3.1425+00	9.9194-03	6.8914-03	1.5668-01	2.0323+05	2.5195-03	1.2590+00
24	472.43	1.7088+01	2.7904+00	8.8064-03	2.7904+00	8.8064-03	6.1182-03	1.3910-01	1.8043+05	2.2368-03	1.6500+00
25	469.19	1.1923+01	1.9663+00	6.1904-03	1.9663+00	6.1904-03	4.3007-03	9.7779-02	1.2683+05	1.5721-03	1.7720+00
26	467.13	2.4800+00	4.1948-01	1.3186-03	4.1948-01	1.3186-03	9.1607-04	2.0827-02	2.7015+04	3.3483-04	1.9200+00
27	462.46	1.9839+00	3.3451-01	1.0478-03	3.3451-01	1.0478-03	7.2796-04	1.6550-02	2.1468+04	2.6602-04	3.0250+00
28	474.44	1.8109+00	3.0780-01	9.7291-04	3.0780-01	9.7291-04	6.7593-04	1.5368-02	1.9934+04	2.4713-04	3.4150+00
29	471.01	1.5867+01	2.5177+00	7.9373-03	2.5177+00	7.9373-03	5.5144-03	1.2537-01	1.6262+05	2.0159-03	8.7000-01
30	472.57	1.5084+01	2.4259+00	7.6570-03	2.4259+00	7.6570-03	5.3196-03	1.2094-01	1.5688+05	1.9448-03	1.2590+00
31	474.90	1.6362+01	2.6599+00	8.4105-03	2.6599+00	8.4105-03	5.8431-03	1.3285-01	1.7232+05	2.1364-03	1.6500+00
32	472.66	1.0714+01	1.7710+00	5.5903-03	1.7710+00	5.5903-03	3.8838-03	8.8300-02	1.1454+05	1.4199-03	1.7720+00
33	473.15	1.7683+00	2.9503-01	9.3164-04	2.9503-01	9.3164-04	6.4725-04	1.4716-02	1.9088+04	2.3664-04	2.2400+00
34	471.11	1.4712+00	2.4585-01	7.7515-04	2.4585-01	7.7515-04	5.3853-04	1.2244-02	1.5882+04	1.9687-04	3.0250+00
35	480.96	2.3566+01	3.4817+00	1.1060-02	3.4817+00	1.1060-02	7.6838-03	1.7469-01	2.2660+05	2.8101-03	1.1570-01
36	489.68	2.9863+01	4.6772+00	1.4957-02	4.6772+00	1.4957-02	1.0392-02	2.3626-01	3.0645+05	3.8018-03	1.2500+00
37	489.68	2.9863+01	4.6772+00	1.4957-02	4.6772+00	1.4957-02	1.0392-02	2.3626-01	3.0645+05	3.8018-03	1.2500+00
38	475.77	2.5678+00	4.3172-01	1.3660-03	4.3172-01	1.3660-03	9.4902-04	2.1576-02	2.7987+04	3.4700-04	1.9200+00
39	477.83	1.6410+00	2.7874-01	8.8331-04	2.7874-01	8.8331-04	6.1368-04	1.3952-02	1.8098+04	2.2441-04	2.2400+00
40	468.05	1.6379+00	2.8046-01	8.8219-04	2.8046-01	8.8219-04	6.1290-04	1.3935-02	1.8075+04	2.2403-04	3.0250+00
41	475.84	8.9299-01	1.5237-01	4.8212-04	1.5237-01	4.8212-04	3.3495-04	7.6153-03	9.8780+03	1.2247-04	3.4150+00
42	494.09	3.2633+01	5.2735+00	1.6922-02	5.2735+00	1.6922-02	1.1756-02	2.6728-01	3.4670+05	4.3019-03	8.7000-01
43	492.43	3.2205+01	5.2960+00	1.6972-02	5.2960+00	1.6972-02	1.1791-02	2.6808-01	3.4773+05	4.3144-03	1.2590+00
44	493.87	2.6109+01	4.3106+00	1.3830-02	4.3106+00	1.3830-02	9.6081-03	2.1845-01	2.8335+05	3.5159-03	1.6500+00
45	485.59	1.4617+01	2.4223+00	7.7220-03	2.4223+00	7.7220-03	5.3648-03	1.2197-01	1.5821+05	1.9624-03	1.7720+00
46	487.40	3.6701+00	6.1996-01	1.9791-03	6.1996-01	1.9791-03	1.3750-03	3.1261-02	4.0549+04	5.0300-04	2.2400+00
47	478.09	2.3787+00	4.0528-01	1.2846-03	4.0528-01	1.2846-03	8.9247-04	2.0291-02	2.6320+04	3.2636-04	3.0250+00
48	475.88	2.0056+01	3.1628+00	1.0008-02	3.1628+00	1.0008-02	6.9530-03	1.5808-01	2.0505+05	2.5423-03	8.7000-01
49	476.34	2.1371+01	3.4669+00	1.0974-02	3.4669+00	1.0974-02	7.6243-03	1.7334-01	2.2485+05	2.7878-03	1.2590+00
50	485.44	2.2931+01	3.8112+00	1.2148-02	3.8112+00	1.2148-02	8.4399-03	1.9189-01	2.4890+05	3.0873-03	1.6500+00
51	478.52	1.2514+01	2.0704+00	6.5647-03	2.0704+00	6.5647-03	4.5608-03	1.0369-01	1.3450+05	1.6678-03	1.7720+00
52	476.53	1.3595+00	2.2936-01	7.2612-04	2.2936-01	7.2612-04	5.0447-04	1.1469-02	1.4877+04	1.8446-04	1.9200+00
53	483.29	6.1766-01	1.0406-01	3.3113-04	1.0406-01	3.3113-04	2.3005-04	5.2303-03	6.7844+03	8.4144-05	2.2400+00
54	477.78	6.1351-01	1.0298-01	3.2634-04	1.0298-01	3.2634-04	2.2672-04	5.1546-03	6.6861+03	8.2905-05	2.6360+00
55	473.53	8.2857-01	1.3869-01	4.3807-04	1.3869-01	4.3807-04	3.0435-04	6.9195-03	8.9754+03	1.1127-04	3.0250+00
56	472.16	1.3600+00	2.2946-01	7.2403-04	2.2946-01	7.2403-04	5.0302-04	1.1436-02	1.4834+04	1.8390-04	3.4150+00
57	502.91	4.2458+01	6.3629+00	2.0557-02	6.3629+00	2.0557-02	1.4282-02	3.2471-01	4.2119+05	5.2283-03	1.1570-01
58	476.04	2.1836+01	3.4656+00	1.0968-02	3.4656+00	1.0968-02	7.6196-03	1.7324-01	2.2471+05	2.7861-03	2.5000-01
59	465.95	1.4847+01	2.3552+00	7.3965-03	2.3552+00	7.3965-03	5.1387-03	1.1683-01	1.5154+05	1.8781-03	4.8300-01
60	472.22	1.9817+01	3.1568+00	9.9614-03	3.1568+00	9.9614-03	6.9207-03	1.5734-01	2.0409+05	2.5301-03	8.7000-01
61	468.37	1.9813+00	3.1677-01	9.9666-04	3.1677-01	9.9666-04	6.9242-04	1.5743-02	2.0420+04	2.5310-04	1.2590+00
62	459.35	8.7543+00	1.3955+00	4.3609-03	1.3955+00	4.3609-03	3.0297-03	6.8881-02	8.9348+04	1.1070-03	1.6500+00
63	461.05	5.8603+00	9.7275-01	3.0437-03	9.7275-01	3.0437-03	2.1146-03	4.8077-02	6.2361+04	7.7271-04	1.7720+00
64	476.72	1.0390+00	1.7738-01	5.6163-04	1.7738-01	5.6163-04	3.9019-04	8.8712-03	1.1507+04	1.4268-04	2.2400+00
65	472.15	8.2805-01	1.4135-01	4.4602-04	1.4135-01	4.4602-04	3.0987-04	7.0450-03	9.1382+03	1.1328-04	3.0250+00
66	499.35	3.9899+01	5.9658+00	1.9221-02	5.9658+00	1.9221-02	1.3354-02	3.0361-01	3.9381+05	4.8877-03	1.1570-01
67	472.79	1.9705+01	3.0326+00	9.5736-03	3.0326+00	9.5736-03	6.6512-03	1.5122-01	1.9615+05	2.4316-03	2.5000-01
68	460.98	1.3454+01	2.1271+00	6.6554-03	2.1271+00	6.6554-03	4.6238-03	1.0512-01	1.3636+05	1.6896-03	4.8300-01
69	453.23	9.5979+00	1.5095+00	4.6956-03	1.5095+00	4.6956-03	3.2622-03	7.4168-02	9.6205+04	1.1917-03	8.7000-01
70	446.96	8.5932+00	1.3708+00	4.2444-03	1.3708+00	4.2444-03	2.9488-03	6.7042-02	8.6961+04	1.0769-03	1.2590+00
71	444.99	7.2530+00	1.1696+00	3.6160-03	1.1696+00	3.6160-03	2.5122-03	5.7117-02	7.4087+04	9.1738-04	1.6500+00
72	445.72	5.6473+00	9.3040-01	2.8780-03	9.3040-01	2.8780-03	1.9995-03	4.5460-02	5.8967+04	7.3018-04	1.7720+00
73	446.77	1.2208+00	2.0246-01	6.2677-04	2.0246-01	6.2677-04	4.3545-04	9.9001-03	1.2842+04	1.5902-04	1.9200+00
74	460.88	5.6260-01	9.4760-02	2.9647-04	9.4760-02	2.9647-04	2.0597-04	4.6828-03	6.0741+03	7.5263-05	2.2400+00
75	471.83	3.1325-01	5.3150-02	1.6767-04	5.3150-02	1.6767-04	1.1649-04	2.6484-03	3.4352+03	4.2585-05	3.0250+00
76	471.19	2.4208-01	4.1177-02	1.2983-04	4.1177-02	1.2983-04	9.0202-05	2.0508-03	2.6601+03	3.2975-05	3.4150+00
77	459.47	2.4966+00	4.1274-01	1.2899-03	4.1274-01	1.2899-03	8.9618-04	2.0375-02	2.6429+04	3.2746-04	2.6360+00
78	454.56	2.5917+00	4.3212-01	1.3455-03	4.3212-01	1.3455-03	9.3480-04	2.1253-02	2.7568+04	3.4149-04	3.0250+00
79	459.49	2.5460+00	4.2717-01	1.3351-03	4.2717-01	1.3351-03	9.2753-04	2.1088-02	2.7353+04	3.3891-04	3.4150+00
80	470.79	2.8218+00	4.7846-01	1.5082-03	4.7846-01	1.5082-03	1.0478-03	2.3822-02	3.0900+04	3.8303-04	2.2400+00
81	460.34	2.7449+00	4.5406-01	1.4200-03	4.5406-01	1.4200-03	9.8654-04	2.2430-02	2.9094+04	3.6049-04	2.6360+00
82	457.56	2.7262+00	4.5146-01	1.4089-03	4.5146-01	1.4089-03	9.7885-04	2.2255-02	2.8867+04	3.5763-04	3.0250+00
83	463.51	2.5678+00	4.3074-01	1.3503-03	4.3074-01	1.3503-03	9.3809-04	2.1328-02	2.7665+04	3.4283-04	3.4150+00
401	576.09	8.9410+01	8.0000+00	2.7411-02	8.0000+00	2.7411-02	1.9044-02	4.3297-01	5.6161+05	6.9940-03	4.4500-01
403	544.13	5.8321+01	5.1200+00	1.7091-02	5.1200+00	1.7091-02	1.1874-02	2.6996-01	3.5017+05	4.3545-03	6.8600-01
404	539.43	5.5261+01	4.8375+00	1.6087-02	4.8375+00	1.6087-02	1.1176-02	2.5410-01	3.2960+05	4.0978-03	8.0100-01
405	513.14	4.2587+01	3.6677+00	1.1945-02	3.6677+00	1.1945-02	8.2986-03	1.8867-01	2.4473+05	3.0392-03	1.0510+00
406	591.71	-3.6346-03	-3.2815-04	-1.1391-06	-3.2815-04	-1.1391-06	-7.9140-07	-1.7993-05	-2.3339+01	-2.9086-07	1.1670+00
407	520.43	4.7504+01	4.1829+00	1.3701-02	4.1829+00	1.3701-02	9.5189-03	2.1642-01	2.8072+05	3.4872-03	1.2830+00
408	536.03	6.5717+01	5.7409+00	1.9039-02	5.7409+00	1.9039-02	1.3227-02	3.0073-01	3.9008+05	4.8491-03	5.1300-01
409	492.68	3.2112+01	2.7619+00	8.8528-03	2.7619+00	8.8528-03	6.1505-03	1.3983-01	1.8138+05	2.2505-03	5.7000-01
410	517.96	4.6130+01	4.0320+00	1.3181-02	4.0320+00	1.3181-02	9.1576-03	2.0820-01	2.7006+05	3.3545-03	6.2800-01
411	485.06	2.3909+01	2.0462+00	6.5204-03	2.0462+00	6.5204-03	4.5300-03	1.0299-01	1.3359+05	1.6570-03	6.6600-01
412	526.49	5.0663+01	4.4519+00	1.4652-02	4.4519+00	1.4652-02	1.0180-02	2.3144-01	3.0021+05	3.7303-03	7.4400-01
413	488.43	2.7982+01	2.4000+00	7.6677-03	2.4000+00	7.6677-03	5.3271-03	1.2111-01	1.5710+05	1.9489-03	8.0100-01
414	532.99	5.3661+01	4.6790+00	1.5480-02	4.6790+00	1.5480-02	1.0754-02	2.4451-01	3.1716+05	3.9421-03	8.5900-01
415	491.43	2.4938+01	2.1306+00	6.8227-03	2.1306+00	6.8227-03	4.7400-03	1.0777-01	1.3979+05	1.7343-03	9.1700-01
416	526.80	5.2419+01	4.4993+00	1.4812-02	4.4993+00	1.4812-02	1.0291-02	2.3396-01	3.0348+05	3.7710-03	5.7000-01
417	550.68	5.7782+01	5.1531+00	1.7293-02	5.1531+00	1.7293-02	1.2014-02	2.7315-01	3.5430+05	4.4072-03	1.0520+00

162 4 1.81 -10.19 .00 -.00 404 2 2.60 10.09 461.0 1720.1

8.36406+01 9.85894-03 7.03149-01 4.52339+03 9.88952-06 6.77489-08 5.53950-02 7.72000+00 5.99585-06 7.47616-02

1	603.37	1.0101+02	1.7817+01	6.2460-02	1.7817+01	6.2460-02	4.3397-02	9.8657-01	1.2796+06	1.5954-02	.0000+00
2	556.03	7.0820+01	1.0894+01	3.6716-02	1.0894+01	3.6716-02	2.5510-02	5.7994-01	7.5216+05	9.3582-03	1.1570-01
3	516.30	4.4196+01	7.1988+00	2.3503-02	7.1988+00	2.3503-02	1.6330-02	3.7124-01	4.8149+05	5.9801-03	2.5000-01
4	500.58	3.4789+01	5.6455+00	1.8207-02	5.6455+00	1.8207-02	1.2650-02	2.8758-01	3.7298+05	4.6293-03	4.8300-01
5	486.93	2.7178+01	4.3580+00	1.3907-02	4.3580+00	1.3907-02	9.6626-03	2.1967-01	2.8490+05	3.5340-03	8.7000-01
6	478.89	2.2755+01	3.6976+00	1.1727-02	3.6976+00	1.1727-02	8.1480-03	1.8524-01	2.4025+05	2.9790-03	1.2590+00
7	475.95	1.9831+01	3.2063+00	1.0146-02	3.2063+00	1.0146-02	7.0495-03	1.6026-01	2.0785+05	2.5771-03	1.6500+00
8	472.30	1.4676+01	2.4546+00	7.7459-03	2.4546+00	7.7459-03	5.3818-03	1.2235-01	1.5868+05	1.9671-03	1.7720+00
9	461.53	3.6130+00	6.0882-01	1.9057-03	6.0882-01	1.9057-03	1.3241-03	3.0101-02	3.9040+04	4.8374-04	1.9200+00
10	465.99	2.9107+00	4.9626-01	1.5586-03	4.9626-01	1.5586-03	1.0829-03	2.4618-02	3.1929+04	3.9571-04	2.2400+00
11	459.52	2.7283+00	4.6717-01	1.4601-03	4.6717-01	1.4601-03	1.0145-03	2.3063-02	2.9912+04	3.7060-04	2.6360+00
12	458.89	2.7075+00	4.6209-01	1.4435-03	4.6209-01	1.4435-03	1.0030-03	2.2801-02	2.9572+04	3.6638-04	3.0250+00
13	466.73	2.6675+00	4.5767-01	1.4382-03	4.5767-01	1.4382-03	9.9924-04	2.2717-02	2.9463+04	3.6515-04	3.4150+00
14	558.10	6.7112+01	1.0371+01	3.5015-02	1.0371+01	3.5015-02	2.4328-02	5.5307-01	7.1731+05	8.9254-03	1.1570-01
15	508.20	3.8769+01	6.3221+00	2.0510-02	6.3221+00	2.0510-02	1.4250-02	3.2397-01	4.2017+05	5.2167-03	2.5000-01
16	495.40	3.1233+01	5.0043+00	1.6074-02	5.0043+00	1.6074-02	1.1168-02	2.5390-01	3.2929+05	4.0861-03	4.8300-01
17	483.96	2.4293+01	3.8999+00	1.2417-02	3.8999+00	1.2417-02	8.6272-03	1.9613-01	2.5437+05	3.1549-03	8.7000-01
18	477.60	2.1060+01	3.3983+00	1.0767-02	3.3983+00	1.0767-02	7.4811-03	1.7007-01	2.2058+05	2.7351-03	1.2590+00
19	474.63	1.7865+01	2.9038+00	9.1797-03	2.9038+00	9.1797-03	6.3780-03	1.4500-01	1.8806+05	2.3315-03	1.6500+00
20	467.38	1.0814+01	1.8134+00	5.7012-03	1.8134+00	5.7012-03	3.9612-03	9.0053-02	1.1680+05	1.4476-03	1.7720+00
21	487.93	2.4982+01	3.9709+00	1.2681-02	3.9709+00	1.2681-02	8.8109-03	2.0031-01	2.5979+05	3.2226-03	4.8300-01
22	484.74	2.2634+01	3.6694+00	1.1690-02	3.6694+00	1.1690-02	8.1221-03	1.8465-01	2.3948+05	2.9703-03	8.7000-01
23	477.53	1.9379+01	3.1365+00	9.9372-03	3.1365+00	9.9372-03	6.9043-03	1.5696-01	2.0357+05	2.5242-03	1.2590+00
24	476.68	1.7019+01	2.7869+00	8.8240-03	2.7869+00	8.8240-03	6.1309-03	1.3938-01	1.8077+05	2.2413-03	1.6500+00
25	472.15	1.1866+01	1.9608+00	6.1870-03	1.9608+00	6.1870-03	4.2987-03	9.7726-02	1.2675+05	1.5712-03	1.7720+00
26	467.74	2.5138+00	4.2536-01	1.3377-03	4.2536-01	1.3377-03	9.2942-04	2.1129-02	2.7404+04	3.3965-04	1.9200+00
27	462.98	2.0410+00	3.4427-01	1.0788-03	3.4427-01	1.0788-03	7.4953-04	1.7040-02	2.2100+04	2.7385-04	3.0250+00
28	474.93	1.8166+00	3.0887-01	9.7666-04	3.0887-01	9.7666-04	6.7858-04	1.5427-02	2.0008+04	2.4806-04	3.4150+00
29	475.15	1.6964+01	2.6992+00	8.5364-03	2.6992+00	8.5364-03	5.9310-03	1.3483-01	1.7488+05	2.1681-03	8.7000-01
30	476.32	1.4967+01	2.4131+00	7.6383-03	2.4131+00	7.6383-03	5.3070-03	1.2065-01	1.5648+05	1.9401-03	1.2590+00
31	478.99	1.6238+01	2.6469+00	8.3956-03	2.6469+00	8.3956-03	5.8332-03	1.3261-01	1.7199+05	2.1327-03	1.6500+00
32	475.33	1.0614+01	1.7576+00	5.5594-03	1.7576+00	5.5594-03	3.8626-03	8.7812-02	1.1389+05	1.4120-03	1.7720+00
33	473.60	1.7979+00	3.0006-01	9.4786-04	3.0006-01	9.4786-04	6.5856-04	1.4972-02	1.9418+04	2.4073-04	2.2400+00
34	471.49	1.4514+00	2.4262-01	7.6516-04	2.4262-01	7.6516-04	5.3163-04	1.2086-02	1.5675+04	1.9431-04	3.0250+00
35	486.99	2.4327+01	3.6084+00	1.1516-02	3.6084+00	1.1516-02	8.0009-03	1.8189-01	2.3591+05	2.9263-03	1.1570-01
37	497.14	2.9747+01	4.6816+00	1.5058-02	4.6816+00	1.5058-02	1.0462-02	2.3784-01	3.0847+05	3.8280-03	1.2500+00
38	476.43	2.6738+00	4.4974-01	1.4237-03	4.4974-01	1.4237-03	9.8918-04	2.2488-02	2.9166+04	3.6162-04	1.9200+00
39	478.24	1.7060+00	2.8984-01	9.1881-04	2.8984-01	9.1881-04	6.3838-04	1.4513-02	1.8823+04	2.3340-04	2.2400+00
40	468.47	1.6551+00	2.8347-01	8.9197-04	2.8347-01	8.9197-04	6.1973-04	1.4089-02	1.8273+04	2.2648-04	3.0250+00
41	476.07	8.7533-01	1.4938-01	4.7274-04	1.4938-01	4.7274-04	3.2845-04	7.4670-03	9.6845+03	1.2007-04	3.4150+00
42	502.23	3.2308+01	5.2483+00	1.6947-02	5.2483+00	1.6947-02	1.1775-02	2.6769-01	3.4719+05	4.3094-03	8.7000-01
43	500.67	3.3184+01	5.4860+00	1.7693-02	5.4860+00	1.7693-02	1.2293-02	2.7947-01	3.6247+05	4.4988-03	1.2590+00
44	500.39	2.6147+01	4.3351+00	1.3978-02	4.3351+00	1.3978-02	9.7121-03	2.2079-01	2.8636+05	3.5542-03	1.6500+00
45	489.24	1.4661+01	2.4353+00	7.7853-03	2.4353+00	7.7853-03	5.4092-03	1.2297-01	1.5949+05	1.9786-03	1.7720+00
46	488.32	3.6738+00	6.2094-01	1.9836-03	6.2094-01	1.9836-03	1.3782-03	3.1332-02	4.0637+04	5.0410-04	2.2400+00
47	478.69	2.3361+00	3.9818-01	1.2627-03	3.9818-01	1.2627-03	8.7730-04	1.9944-02	2.5867+04	3.2075-04	3.0250+00
48	480.99	2.1014+01	3.3249+00	1.0562-02	3.3249+00	1.0562-02	7.3386-03	1.6684-01	2.1638+05	2.6833-03	8.7000-01
49	481.66	2.1404+01	3.4844+00	1.1074-02	3.4844+00	1.1074-02	7.6943-03	1.7492-01	2.2687+05	2.8135-03	1.2590+00
50	491.10	2.2351+01	3.7284+00	1.1936-02	3.7284+00	1.1936-02	8.2932-03	1.8854-01	2.4453+05	3.0337-03	1.6500+00
51	481.60	1.2240+01	2.0292+00	6.4491-03	2.0292+00	6.4491-03	4.4808-03	1.0187-01	1.3212+05	1.6384-03	1.7720+00
52	476.88	1.3517+00	2.2810-01	7.2232-04	2.2810-01	7.2232-04	5.0186-04	1.1409-02	1.4798+04	1.8347-04	1.9200+00
53	483.44	5.7039-01	9.6161-02	3.0585-04	9.6161-02	3.0585-04	2.1250-04	4.8311-03	6.2657+03	7.7710-05	2.2400+00
54	477.96	6.7065-01	1.1259-01	3.5682-04	1.1259-01	3.5682-04	2.4792-04	5.6361-03	7.3098+03	9.0638-05	2.6360+00
55	473.73	8.5714-01	1.4349-01	4.5331-04	1.4349-01	4.5331-04	3.1496-04	7.1602-03	9.2865+03	1.1513-04	3.0250+00
56	472.51	1.3174+00	2.2232-01	7.0170-04	2.2232-01	7.0170-04	4.8754-04	1.1084-02	1.4375+04	1.7820-04	3.4150+00
57	513.59	4.2867+01	6.4678+00	2.1072-02	6.4678+00	2.1072-02	1.4640-02	3.3283-01	4.3167+05	5.3608-03	1.1570-01
58	481.48	2.1826+01	3.4765+00	1.1048-02	3.4765+00	1.1048-02	7.6759-03	1.7450-01	2.2632+05	2.8067-03	2.5000-01
59	469.64	1.4736+01	2.3434+00	7.3802-03	2.3434+00	7.3802-03	5.1277-03	1.1657-01	1.5119+05	1.8740-03	4.8300-01
60	477.12	1.9458+01	3.1097+00	9.8494-03	3.1097+00	9.8494-03	6.8433-03	1.5558-01	2.0178+05	2.5018-03	8.7000-01
61	468.86	2.0405+00	3.2634-01	1.0272-03	3.2634-01	1.0272-03	7.1367-04	1.6225-02	2.1043+04	2.6082-04	1.2590+00
62	461.56	8.8862+00	1.4186+00	4.4406-03	1.4186+00	4.4406-03	3.0853-03	7.0140-02	9.0970+04	1.1272-03	1.6500+00
63	462.53	5.9823+00	9.9400-01	3.1137-03	9.9400-01	3.1137-03	2.1634-03	4.9182-02	6.3788+04	7.9042-04	1.7720+00
64	476.97	1.0644+00	1.8175-01	5.7560-04	1.8175-01	5.7560-04	3.9992-04	9.0918-03	1.1792+04	1.4621-04	2.2400+00
65	472.37	8.3844-01	1.4315-01	4.5175-04	1.4315-01	4.5175-04	3.1387-04	7.1356-03	9.2546+03	1.1472-04	3.0250+00
66	509.40	4.0334+01	6.0695+00	1.9709-02	6.0695+00	1.9709-02	1.3694-02	3.1131-01	4.0376+05	5.0132-03	1.1570-01
67	477.69	1.9691+01	3.0402+00	9.6335-03	3.0402+00	9.6335-03	6.6933-03	1.5216-01	1.9735+05	2.4470-03	2.5000-01
68	464.34	1.3430+01	2.1281+00	6.6754-03	2.1281+00	6.6754-03	4.6380-03	1.0544-01	1.3675+05	1.6947-03	4.8300-01
69	455.64	9.7465+00	1.5354+00	4.7847-03	1.5354+00	4.7847-03	3.3244-03	7.5576-02	9.8019+04	1.2142-03	8.7000-01
70	449.12	8.3330+00	1.3313+00	4.1286-03	1.3313+00	4.1286-03	2.8685-03	6.5212-02	8.4578+04	1.0474-03	1.2590+00
71	446.82	7.3096+00	1.1802+00	3.6538-03	1.1802+00	3.6538-03	2.5386-03	5.7713-02	7.4852+04	9.2691-04	1.6500+00
72	447.12	5.5480+00	9.1493-01	2.8331-03	9.1493-01	2.8331-03	1.9684-03	4.4750-02	5.8039+04	7.1873-04	1.7720+00
73	447.10	1.2244+00	2.0311-01	6.2893-04	2.0311-01	6.2893-04	4.3698-04	9.9342-03	1.2884+04	1.5955-04	1.9200+00
74	461.01	6.3013-01	1.0614-01	3.3212-04	1.0614-01	3.3212-04	2.3075-04	5.2459-03	6.8037+03	8.4303-05	2.2400+00
75	471.88	1.9636-01	3.3319-02	1.0511-04	3.3319-02	1.0511-04	7.3032-05	1.6603-03	2.1533+03	2.6694-05	3.0250+00
76	471.24	2.3273-01	3.9589-02	1.2483-04	3.9589-02	1.2483-04	8.6731-05	1.9717-03	2.5573+03	3.1700-05	3.4150+00
77	460.10	2.5210+00	4.1696-01	1.3037-03	4.1696-01	1.3037-03	9.0583-04	2.0593-02	2.6708+04	3.3092-04	2.6360+00
78	455.22	2.5896+00	4.3197-01	1.3457-03	4.3197-01	1.3457-03	9.3500-04	2.1256-02	2.7568+04	3.4151-04	3.0250+00
79	460.12	2.4935+00	4.1855-01	1.3087-03	4.1855-01	1.3087-03	9.0929-04	2.0672-02	2.6810+04	3.3219-04	3.4150+00
80	471.51	2.8083+00	4.7640-01	1.5025-03	4.7640-01	1.5025-03	1.0439-03	2.3732-02	3.0780+04	3.8155-04	2.2400+00
81	461.02	2.7455+00	4.5436-01	1.4217-03	4.5436-01	1.4217-03	9.8775-04	2.2455-02	2.9124+04	3.6086-04	2.6360+00
82	458.27	2.7382+00	4.5366-01	1.4165-03	4.5366-01	1.4165-03	9.8420-04	2.2375-02	2.9019+04	3.5952-04	3.0250+00
83	464.17	2.6452+00	4.4392-01	1.3923-03	4.4392-01	1.3923-03	9.6736-04	2.1992-02	2.8523+04	3.5346-04	3.4150+00
401	598.08	8.6375+01	7.8268+00	2.7316-02	7.8268+00	2.7316-02	1.8979-02	4.3146-01	5.5959+05	6.9756-03	4.4500-01
403	558.21	5.4936+01	4.8639+00	1.6422-02	4.8639+00	1.6422-02	1.1410-02	2.5940-01	3.3643+05	4.1862-03	6.8600-01
404	552.84	5.2333+01	4.6186+00	1.5526-02	4.6186+00	1.5526-02	1.0787-02	2.4524-01	3.1807+05	3.9568-03	8.0100-01
405	523.85	4.1932+01	3.6356+00	1.1941-02	3.6356+00	1.1941-02	8.2963-03	1.8861-01	2.4462+05	3.0391-03	1.0510+00
406	591.70	-3.6343-03	-3.2813-04	-1.1390-06	-3.2813-04	-1.1390-06	-7.9139-07	-1.7991-05	-2.3334+01	-2.9079-07	1.1670+00
407	532.10	4.6046+01	4.0840+00	1.3502-02	4.0840+00	1.3502-02	9.3808-03	2.1326-01	2.7659+05	3.4377-03	1.2830+00
408	552.57	6.6014+01	5.8250+00	1.9577-02	5.8250+00	1.9577-02	1.3602-02	3.0923-01	4.0106+05	4.9891-03	5.1300-01
409	500.78	3.2836+01	2.8390+00	9.1571-03	2.8390+00	9.1571-03	6.3623-03	1.4464-01	1.8759+05	2.3283-03	5.7000-01
410	529.52	4.6146+01	4.0626+00	1.3403-02	4.0626+00	1.3403-02	9.3125-03	2.1171-01	2.7458+05	3.4123-03	6.2800-01
411	491.24	2.5179+01	2.1635+00	6.9271-03	2.1635+00	6.9271-03	4.8129-03	1.0942-01	1.4191+05	1.7606-03	6.8600-01
412	538.93	4.9021+01	4.3407+00	1.4429-02	4.3407+00	1.4429-02	1.0025-02	2.2791-01	2.9559+05	3.6749-03	7.4400-01
413	495.45	2.7900+01	2.4040+00	7.7219-03	2.4040+00	7.7219-03	5.3652-03	1.2197-01	1.5819+05	1.9630-03	8.0100-01
414	546.17	5.1783+01	4.5517+00	1.5219-02	4.5517+00	1.5219-02	1.0574-02	2.4038-01	3.1177+05	3.8773-03	8.5900-01
415	497.72	2.5135+01	2.1562+00	6.9382-03	2.1562+00	6.9382-03	4.8206-03	1.0959-01	1.4214+05	1.7639-03	9.1700-01
416	540.02	5.2972+01	4.5840+00	1.5251-02	4.5840+00	1.5251-02	1.0596-02	2.4089-01	3.1243+05	3.8844-03	9.7000-01
417	564.58	5.3918+01	4.8486+00	1.6456-02	4.8486+00	1.6456-02	1.1434-02	2.5993-01	3.3712+05	4.1960-03	1.0520+00

CONFIDENTIAL

162 4 1.81 -10.19 .00 -.00 4C4 2 3.10 10.09 461.0 1719.9

8.36316+01 9.85909-03 7.03160-01 4.52315+03 9.89074-06 6.77416-08 5.54048-02 7.72000+00 6.99500-06 7.47627-02

1	651.68	9.2247+01	1.6707+01	6.1090-02	1.6707+01	6.1090-02	4.2442-02	9.6495-01	1.2517+06	1.5640-02	.0000+00
2	590.72	6.7929+01	1.0663+01	3.6991-02	1.0663+01	3.6991-02	2.5700-02	5.8429-01	7.5790+05	9.4432-03	1.1570-01
3	538.13	4.3333+01	7.1546+00	2.3771-02	7.1546+00	2.3771-02	1.6515-02	3.7547-01	4.8704+05	6.0540-03	2.5000-01
4	517.83	3.4141+01	5.6013+00	1.8312-02	5.6013+00	1.8312-02	1.2722-02	2.8925-01	3.7519+05	4.6596-03	4.8300-01
5	500.44	2.6824+01	4.3390+00	1.3994-02	4.3390+00	1.3994-02	9.7221-03	2.2104-01	2.8671+05	3.5580-03	8.7000-01
6	490.22	2.2460+01	3.6768+00	1.1765-02	3.6768+00	1.1765-02	8.1735-03	1.8583-01	2.4104+05	2.9900-03	1.2590+00
7	485.83	1.9650+01	3.1979+00	1.0198-02	3.1979+00	1.0198-02	7.0848-03	1.6108-01	2.0894+05	2.5912-03	1.6500+00
8	479.54	1.4347+01	2.4110+00	7.6517-03	2.4110+00	7.6517-03	5.3160-03	1.2086-01	1.5677+05	1.9438-03	1.7720+00
9	463.35	3.7616+00	6.3463-01	1.9895-03	6.3463-01	1.9895-03	1.3822-03	3.1425-02	4.0762+04	5.0504-04	1.9200+00
10	467.49	2.9273+00	4.9959-01	1.5711-03	4.9959-01	1.5711-03	1.0915-03	2.4816-02	3.2189+04	3.9869-04	2.2400+00
11	460.83	2.6701+00	4.5761-01	1.4319-03	4.5761-01	1.4319-03	9.9477-04	2.2617-02	2.9337+04	3.6344-04	2.6360+00
12	460.26	2.7403+00	4.6810-01	1.4640-03	4.6810-01	1.4640-03	1.0171-03	2.3125-02	2.9996+04	3.7161-04	3.0250+00
13	468.06	2.6888+00	4.6174-01	1.4526-03	4.6174-01	1.4526-03	1.0092-03	2.2945-02	2.9763+04	3.6884-04	3.4150+00
14	591.05	6.4605+01	1.0178+01	3.5318-02	1.0178+01	3.5318-02	2.4537-02	5.5785-01	7.2360+05	9.0160-03	1.1570-01
15	527.37	3.8033+01	6.2771+00	2.0677-02	6.2771+00	2.0677-02	1.4365-02	3.2660-01	4.2364+05	5.2635-03	2.5000-01
16	510.86	3.0733+01	4.9732+00	1.6170-02	4.9732+00	1.6170-02	1.1234-02	2.5541-01	3.3130+05	4.1132-03	4.8300-01
17	496.04	2.3942+01	3.8739+00	1.2451-02	3.8739+00	1.2451-02	8.6504-03	1.9667-01	2.5511+05	3.1652-03	8.7000-01
18	488.07	2.0772+01	3.3749+00	1.0781-02	3.3749+00	1.0781-02	7.4900-03	1.7029-01	2.2089+05	2.7397-03	1.2590+00
19	483.48	1.7589+01	2.8755+00	9.1534-03	2.8755+00	9.1534-03	6.3593-03	1.4458-01	1.8754+05	2.3256-03	1.6500+00
20	472.81	1.0884+01	1.8317+00	5.7833-03	1.8317+00	5.7833-03	4.0180-03	9.1350-02	1.1849+05	1.4687-03	1.7720+00
21	500.37	2.4801+01	3.9739+00	1.2816-02	3.9739+00	1.2816-02	8.9036-03	2.0243-01	2.6257+05	3.2584-03	4.8300-01
22	495.88	2.1998+01	3.5922+00	1.1545-02	3.5922+00	1.1545-02	8.0205-03	1.8235-01	2.3653+05	2.9347-03	8.7000-01
23	487.14	1.9126+01	3.1152+00	9.9443-03	3.1152+00	9.9443-03	6.9088-03	1.5707-01	2.0374+05	2.5270-03	1.2590+00
24	485.15	1.6850+01	2.7746+00	8.8435-03	2.7746+00	8.8435-03	6.1440-03	1.3969-01	1.8119+05	2.2471-03	1.6500+00
25	478.06	1.1669+01	1.9358+00	6.1367-03	1.9358+00	6.1367-03	4.2634-03	9.6931-02	1.2573+05	1.5588-03	1.7720+00
26	469.02	2.6140+00	4.4271-01	1.3938-03	4.4271-01	1.3938-03	9.6833-04	2.2016-02	2.8557+04	3.5391-04	1.9200+00
27	463.98	2.0535+00	3.4660-01	1.0871-03	3.4660-01	1.0871-03	7.5525-04	1.7171-02	2.2273+04	2.7597-04	3.0250+00
28	475.79	1.8748+00	3.1895-01	1.0093-03	3.1895-01	1.0093-03	7.0123-04	1.5943-02	2.0680+04	2.5636-04	3.4150+00
29	484.08	1.8601+01	2.9770+00	9.4808-03	2.9770+00	9.4808-03	6.5868-03	1.4975-01	1.9425+05	2.4089-03	8.7000-01
30	483.81	1.5066+01	2.4400+00	7.7691-03	2.4400+00	7.7691-03	5.3975-03	1.2272-01	1.5918+05	1.9739-03	1.2590+00
31	487.05	1.6060+01	2.6317+00	8.4003-03	2.6317+00	8.4003-03	5.8360-03	1.3269-01	1.7211+05	2.1346-03	1.6500+00
32	480.59	1.0433+01	1.7336+00	5.5063-03	1.7336+00	5.5063-03	3.8255-03	8.6974-02	1.1282+05	1.3988-03	1.7720+00
33	474.53	1.7574+00	2.9348-01	9.2785-04	2.9348-01	9.2785-04	6.4462-04	1.4656-02	1.9010+04	2.3565-04	2.2400+00
34	472.21	1.5252+00	2.5507-01	8.0499-04	2.5507-01	8.0499-04	5.5926-04	1.2715-02	1.6493+04	2.0443-04	3.0250+00
35	499.41	2.5081+01	3.7503+00	1.2086-02	3.7503+00	1.2086-02	8.3964-03	1.9090-01	2.4762+05	3.0727-03	1.1570-01
36	511.97	2.9545+01	4.6940+00	1.5276-02	4.6940+00	1.5276-02	1.0613-02	2.4129-01	3.1298+05	3.8859-03	1.2500+00
37	477.79	2.7792+00	4.6790-01	1.4829-03	4.6790-01	1.4829-03	1.0303-03	2.3424-02	3.0383+04	3.7668-04	1.9200+00
38	479.10	1.6992+00	2.8886-01	9.1644-04	2.8886-01	9.1644-04	6.3669-04	1.4475-02	1.8776+04	2.3280-04	2.2400+00
39	469.33	1.6483+00	2.8248-01	8.8954-04	2.8248-01	8.8954-04	6.1801-04	1.4051-02	1.8225+04	2.2587-04	3.0250+00
40	476.53	8.9143-01	1.5217-01	4.8182-04	1.5217-01	4.8182-04	3.3474-04	7.6105-03	9.8718+03	1.2238-04	3.4150+00
41	518.12	3.1161+01	5.1133+00	1.6721-02	5.1133+00	1.6721-02	1.1617-02	2.6411-01	3.4259+05	4.2547-03	8.7000-01
42	517.61	3.4112+01	5.7003+00	1.8633-02	5.7003+00	1.8633-02	1.2945-02	2.9431-01	3.8176+05	4.7411-03	1.2590+00
43	513.50	2.6212+01	4.3823+00	1.4278-02	4.3823+00	1.4278-02	9.9197-03	2.2553-01	2.9254+05	3.6324-03	1.6500+00
44	496.58	1.4674+01	2.4491+00	7.8750-03	2.4491+00	7.8750-03	5.4711-03	1.2439-01	1.6135+05	2.0019-03	1.7720+00
45	490.13	3.6140+00	6.1157-01	1.9567-03	6.1157-01	1.9567-03	1.3594-03	3.0907-02	4.0090+04	4.9729-04	2.2400+00
46	479.87	2.4587+00	4.1941-01	1.3314-03	4.1941-01	1.3314-03	9.2498-04	2.1030-02	2.7278+04	3.3822-04	3.0250+00
47	491.82	2.1814+01	3.4761+00	1.1136-02	3.4761+00	1.1136-02	7.7370-03	1.7590-01	2.2817+05	2.8305-03	8.7000-01
48	492.47	2.1887+01	3.5882+00	1.1501-02	3.5882+00	1.1501-02	7.9905-03	1.8167-01	2.3565+05	2.9233-03	1.2590+00
49	502.07	2.1670+01	3.6406+00	1.1756-02	3.6406+00	1.1756-02	8.1675-03	1.8569-01	2.4087+05	2.9893-03	1.6500+00
50	487.64	1.2002+01	1.9976+00	6.3792-03	1.9976+00	6.3792-03	4.4319-03	1.0076-01	1.3070+05	1.6211-03	1.7720+00
51	477.55	1.3668+00	2.3074-01	7.3119-04	2.3074-01	7.3119-04	5.0799-04	1.1549-02	1.4981+04	1.8573-04	1.9200+00
52	483.73	6.3533-01	1.0706-01	3.4087-04	1.0706-01	3.4087-04	2.3682-04	5.3841-03	6.9838+03	8.6606-05	2.2400+00
53	478.28	6.2496-01	1.0493-01	3.3270-04	1.0493-01	3.3270-04	2.3114-04	5.2551-03	6.8165+03	8.4511-05	2.6360+00
54	474.16	8.5767-01	1.4362-01	4.5393-04	1.4362-01	4.5393-04	3.1536-04	7.1700-03	9.3003+03	1.1528-04	3.0250+00
55	473.13	1.3730+00	2.3180-01	7.3207-04	2.3180-01	7.3207-04	5.0860-04	1.1563-02	1.4999+04	1.8592-04	3.4150+00
56	535.15	4.3276+01	6.6179+00	2.1936-02	6.6179+00	2.1936-02	1.5240-02	3.4648-01	4.4943+05	5.5858-03	1.1570-01
57	492.42	2.1887+01	3.5111+00	1.1254-02	3.5111+00	1.1254-02	7.8183-03	1.7775-01	2.3057+05	2.8603-03	2.5000-01
58	476.99	1.4599+01	2.3329+00	7.3895-03	2.3329+00	7.3895-03	5.1338-03	1.1672-01	1.5140+05	1.8770-03	4.8300-01
59	486.70	1.8946+01	3.0470+00	9.7232-03	3.0470+00	9.7232-03	6.7551-03	1.5358-01	1.9921+05	2.4707-03	8.7000-01
60	469.92	2.1132+00	3.3821-01	1.0655-03	3.3821-01	1.0655-03	7.4028-04	1.6831-02	2.1831+04	2.7057-04	1.2590+00
61	466.00	8.9320+00	1.4302+00	4.4924-03	1.4302+00	4.4924-03	3.1211-03	7.0960-02	9.2043+04	1.1406-03	1.6500+00
62	465.56	6.1268+00	1.0201+00	3.2031-03	1.0201+00	3.2031-03	2.2254-03	5.0595-02	6.5628+04	8.1321-04	1.7720+00
63	477.52	1.0712+00	1.8297-01	5.7979-04	1.8297-01	5.7979-04	4.0281-04	9.1580-03	1.1879+04	1.4727-04	2.2400+00
64	472.76	8.1403-01	1.3901-01	4.3891-04	1.3901-01	4.3891-04	3.0493-04	6.9327-03	8.9926+03	1.1146-04	3.0250+00
65	529.72	4.0883+01	6.2310+00	2.0564-02	6.2310+00	2.0564-02	1.4287-02	3.2482-01	4.2133+05	5.2352-03	1.1570-01
66	487.54	1.9766+01	3.0716+00	9.8081-03	3.0716+00	9.8081-03	6.8141-03	1.5492-01	2.0095+05	2.4924-03	2.5000-01
67	471.02	1.3361+01	2.1267+00	6.7057-03	2.1267+00	6.7057-03	4.6588-03	1.0592-01	1.3739+05	1.7028-03	4.8300-01
68	460.58	9.8151+00	1.5514+00	4.8532-03	1.5514+00	4.8532-03	3.3717-03	7.6658-02	9.9435+04	1.2319-03	8.7000-01
69	453.13	8.0629+00	1.2917+00	4.0183-03	1.2917+00	4.0183-03	2.7917-03	6.3471-02	8.2330+04	1.0196-03	1.2590+00
70	450.48	6.9293+00	1.1216+00	3.4824-03	1.1216+00	3.4824-03	2.4194-03	5.5006-02	7.1349+04	8.8355-04	1.6500+00
71	449.90	5.4145+00	8.9461-01	2.7764-03	8.9461-01	2.7764-03	1.9289-03	4.3854-02	5.6884+04	7.0440-04	1.7720+00
72	447.69	1.2556+00	2.0837-01	6.4559-04	2.0837-01	6.4559-04	4.4852-04	1.0197-02	1.3227+04	1.6378-04	1.9200+00
73	461.32	5.8805-01	9.9077-02	3.1012-04	9.9077-02	3.1012-04	2.1546-04	4.8985-03	6.3539+03	7.8720-05	2.2400+00
74	471.98	2.6546-01	4.5047-02	1.4214-04	4.5047-02	1.4214-04	9.8752-05	2.2452-03	2.9123+03	3.6097-05	3.0250+00
75	471.39	2.8832-01	4.9049-02	1.5470-04	4.9049-02	1.5470-04	1.0748-04	2.4435-03	3.1696+03	3.9285-05	3.4150+00
76	461.37	2.5112+00	4.1568-01	1.3012-03	4.1568-01	1.3012-03	9.0399-04	2.0553-02	2.6659+04	3.3028-04	2.6360+00
77	456.48	2.5668+00	4.2852-01	1.3365-03	4.2852-01	1.3365-03	9.2849-04	2.1110-02	2.7382+04	3.3917-04	3.0250+00
78	461.35	2.5081+00	4.2134-01	1.3189-03	4.2134-01	1.3189-03	9.1628-04	2.0832-02	2.7022+04	3.3477-04	3.4150+00
79	472.90	2.7979+00	4.7568-01	1.5001-03	4.7508-01	1.5001-03	1.0422-03	2.3695-02	3.0735+04	3.8096-04	2.2400+00
80	462.35	2.7299+00	4.5219-01	1.4165-03	4.5219-01	1.4165-03	9.8410-04	2.2374-02	2.9022+04	3.5957-04	2.6360+00
81	459.64	2.7392+00	4.5425-01	1.4201-03	4.5425-01	1.4201-03	9.8657-04	2.2430-02	2.9095+04	3.6043-04	3.0250+00
82	465.49	2.6348+00	4.4257-01	1.3896-03	4.4257-01	1.3896-03	9.6545-04	2.1950-02	2.8472+04	3.5280-04	3.4150+00
401	639.72	7.9942+01	7.4125+00	2.6819-02	7.4125+00	2.6819-02	1.8633-02	4.2362-01	5.4949+05	6.8621-03	4.4500-01
403	584.19	4.9419+01	4.4426+00	1.5328-02	4.4426+00	1.5328-02	1.0649-02	2.4210-01	3.1404+05	3.9116-03	6.8600-01
404	577.73	4.7572+01	4.2606+00	1.4621-02	4.2606+00	1.4621-02	1.0158-02	2.3094-01	2.9956+05	3.7302-03	8.0100-01
405	544.23	3.9836+01	3.4975+00	1.1677-02	3.4975+00	1.1677-02	8.1129-03	1.8445-01	2.3925+05	2.9748-03	1.0510+00
406	591.71	-3.1150-03	-2.8124-04	-9.7644-07	-2.8124-04	-9.7644-07	-6.7838-07	-1.5423-05	-2.0006+01	-2.4928-07	1.1670+00
407	554.44	4.3615+01	3.9213+00	1.3201-02	3.9213+00	1.3201-02	9.1715-03	2.0852-01	2.7047+05	3.3645-03	1.2830+00
408	585.51	6.5252+01	5.8704+00	2.0276-02	5.8704+00	2.0276-02	1.4087-02	3.2026-01	4.1542+05	5.1748-03	5.1300-01
409	517.53	3.4028+01	2.9734+00	9.7188-03	2.9734+00	9.7188-03	6.7521-03	1.5351-01	1.9912+05	2.4729-03	5.7000-01
410	552.55	4.5856+01	4.0941+00	1.3762-02	4.0941+00	1.3762-02	9.5611-03	2.1738-01	2.8196+05	3.5071-03	6.2800-01
411	504.34	2.6870+01	2.3284+00	7.5323-03	2.3284+00	7.5323-03	5.2331-03	1.1898-01	1.5433+05	1.9155-03	6.8600-01
412	562.71	4.6134+01	4.1440+00	1.4045-02	4.1440+00	1.4045-02	9.7580-03	2.2185-01	2.8777+05	3.5810-03	7.4400-01
413	509.32	2.7682+01	2.4064+00	7.8147-03	2.4064+00	7.8147-03	5.4293-03	1.2344-01	1.6011+05	1.9877-03	8.0100-01
414	571.14	4.8233+01	4.3032+00	1.4686-02	4.3032+00	1.4686-02	1.0203-02	2.3198-01	3.0090+05	3.7458-03	8.5900-01
415	510.32	2.5397+01	2.1963+00	7.1380-03	2.1963+00	7.1380-03	4.9591-03	1.1275-01	1.4625+05	1.8157-03	9.1700-01
416	566.71	5.3449+01	4.6999+00	1.5982-02	4.6999+00	1.5982-02	1.1103-02	2.5244-01	3.2745+05	4.0754-03	5.7000-01
417	589.78	4.7391+01	4.3246+00	1.4990-02	4.3246+00	1.4990-02	1.0414-02	2.3678-01	3.0713+05	3.8265-03	1.0520+00

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163 4 -3.11 -15.11 .00 -.00 404 2 1.90 10.09 465.5 1726.9

8.39905+01 9.94535-03 7.09414-01 4.53317+03 9.93464-06 6.80323-08 5.55357-02 7.72000+00 7.02909-06 7.47193-07

1	522.99	1.1143+02	1.8741+01	6.1147-02	1.8741+01	6.1147-02	4.2200-02	9.6458-01	1.2467+06	1.5567-02	.0000+00
2	507.13	8.2654+01	1.2336+01	3.9753-02	1.2336+01	3.9753-02	2.7436-02	6.2710-01	8.1053+05	1.0113-02	1.1570-01
3	485.83	5.2245+01	8.3453+00	2.6455-02	8.3453+00	2.6455-02	1.8258-02	4.1732-01	5.3939+05	6.7241-03	2.5000-01
4	475.95	4.0709+01	6.5009+00	2.0454-02	6.5009+00	2.0454-02	1.4116-02	3.2266-01	4.1704+05	5.1967-03	4.8300-01
5	467.70	3.0710+01	4.8621+00	1.5203-02	4.8621+00	1.5203-02	1.0492-02	2.3982-01	3.0997+05	3.8612-03	8.7000-01
6	463.55	2.5140+01	4.0436+00	1.2604-02	4.0436+00	1.2604-02	8.6987-03	1.9883-01	2.5699+05	3.2006-03	1.2590+00
7	464.25	2.1936+01	3.5191+00	1.0975-02	3.5191+00	1.0975-02	7.5744-03	1.7313-01	2.2377+05	2.7870-03	1.6500+00
8	465.12	1.7748+01	2.9541+00	9.2191-03	2.9541+00	9.2191-03	6.3625-03	1.4543-01	1.8797+05	2.3412-03	1.7720+00
9	462.30	4.8021+00	8.0960-01	2.5212-03	8.0960-01	2.5212-03	1.7400-03	3.9772-02	5.1406+04	6.4019-04	1.9200+00
10	468.48	4.0177+00	6.8614-01	2.1467-03	6.8614-01	2.1467-03	1.4815-03	3.3864-02	4.3769+04	5.4523-04	2.2400+00
11	462.25	3.9787+00	6.8253-01	2.1254-03	6.8253-01	2.1254-03	1.4669-03	3.3529-02	4.3336+04	5.3969-04	2.6360+00
12	461.31	4.0494+00	6.9222-01	2.1541-03	6.9222-01	2.1541-03	1.4866-03	3.3981-02	4.3920+04	5.4694-04	3.0250+00
13	467.35	3.9896+00	6.8478-01	2.1406-03	6.8478-01	2.1406-03	1.4773-03	3.3768-02	4.3646+04	5.4366-04	3.4150+00
14	511.06	7.5450+01	1.1323+01	3.6614-02	1.1328+01	3.6614-02	2.5269-02	5.7759-01	7.4653+05	9.3165-03	1.1570-01
15	480.41	4.3798+01	7.0148+00	2.2146-02	7.0148+00	2.2146-02	1.5284-02	3.4935-01	4.5153+05	5.6276-03	2.5000-01
16	472.25	3.5405+01	5.5874+00	1.7531-02	5.5874+00	1.7531-02	1.2099-02	2.7655-01	3.5744+05	4.4533-03	4.8300-01
17	465.47	2.7064+01	4.2919+00	1.3398-02	4.2919+00	1.3398-02	9.2463-03	2.1134-01	2.7316+05	3.4024-03	8.7000-01
18	461.20	2.1524+01	3.4352+00	1.0689-02	3.4352+00	1.0689-02	7.3771-03	1.6862-01	2.1794+05	2.7140-03	1.2590+00
19	462.16	1.9145+01	3.0860+00	9.6093-03	3.0860+00	9.6093-03	6.6318-03	1.5158-01	1.9592+05	2.4400-03	1.6500+00
20	460.84	1.2230+01	2.0418+00	6.3517-03	2.0418+00	6.3517-03	4.3836-03	1.0020-01	1.2951+05	1.6127-03	1.7720+00
21	469.27	2.9274+01	4.5961+00	1.4388-02	4.5961+00	1.4388-02	9.9299-03	2.2697-01	2.9336+05	3.6545-03	4.8300-01
22	465.34	2.2819+01	3.6522+00	1.1400-02	3.6522+00	1.1400-02	7.8674-03	1.7983-01	2.3243+05	2.8949-03	8.7000-01
23	461.92	1.9638+01	3.1455+00	9.7928-03	3.1455+00	9.7928-03	6.7585-03	1.5448-01	1.9967+05	2.4865-03	1.2590+00
24	463.43	1.7157+01	2.7847+00	8.6795-03	2.7847+00	8.6795-03	5.9901-03	1.3692-01	1.7697+05	2.2040-03	1.6500+00
25	463.06	1.3022+01	2.1388+00	6.6645-03	2.1388+00	6.6645-03	4.5995-03	1.0513-01	1.3588+05	1.6923-03	1.7720+00
26	465.48	3.0270+00	5.1143-01	1.5965-03	5.1143-01	1.5965-03	1.1018-03	2.5184-02	3.2551+04	4.0543-04	1.9200+00
27	463.89	2.5678+00	4.3338-01	1.3512-03	4.3338-01	1.3512-03	9.3255-04	2.1316-02	2.7551+04	3.4313-04	3.0250+00
28	474.04	2.3164+00	3.9361-01	1.2366-03	3.9361-01	1.2366-03	8.5346-04	1.9508-02	2.5214+04	3.1416-04	3.4150+00
29	466.94	2.2336+01	3.5345+00	1.1046-02	3.5345+00	1.1046-02	7.6230-03	1.7424-01	2.2521+05	2.8052-03	8.7000-01
30	463.01	1.6623+01	2.6564+00	8.2768-03	2.6564+00	8.2768-03	5.7122-03	1.3057-01	1.6876+05	2.1017-03	1.2590+00
31	463.32	1.5941+01	2.5723+00	8.0197-03	2.5723+00	8.0197-03	5.5348-03	1.2651-01	1.6352+05	2.0365-03	1.6500+00
32	464.60	1.0754+01	1.7681+00	5.5156-03	1.7681+00	5.5156-03	3.8065-03	8.7007-02	1.1246+05	1.4006-03	1.7720+00
33	471.20	2.0078+00	3.3456-01	1.0489-03	3.3456-01	1.0489-03	7.2387-04	1.6546-02	2.1385+04	2.6643-04	2.2400+00
34	470.81	2.0945+00	3.4996-01	1.0968-03	3.4996-01	1.0968-03	7.5696-04	1.7302-02	2.2363+04	2.7860-04	3.0250+00
35	465.33	1.6302+01	2.3836+00	7.4398-03	2.3836+00	7.4398-03	5.1345-03	1.1736-01	1.5169+05	1.8893-03	1.1570-01
36	472.70	2.9255+01	4.5310+00	1.4221-02	4.5310+00	1.4221-02	9.8146-03	2.2433-01	2.8995+05	3.6126-03	1.2500+00
37	470.34	1.7470+00	2.9267-01	9.1694-04	2.9267-01	9.1694-04	6.3282-04	1.4465-02	1.8696+04	2.3291-04	1.9200+00
38	474.55	1.1782+00	1.9968-01	6.2761-04	1.9968-01	6.2761-04	4.3315-04	9.9005-03	1.2797+04	1.5945-04	2.2400+00
39	472.59	1.2291+00	2.1169-01	6.6248-04	2.1109-01	6.6248-04	4.5721-04	1.0451-02	1.3507+04	1.6829-04	3.0250+00
40	472.66	1.3834+00	2.3554-01	7.3926-04	2.3554-01	7.3926-04	5.1019-04	1.1662-02	1.5073+04	1.8779-04	3.4150+00
41	468.77	2.3315+01	3.7055+00	1.1596-02	3.7055+00	1.1596-02	8.0028-03	1.8292-01	2.3643+05	2.9452-03	8.7000-01
42	479.46	3.9039+01	6.3655+00	2.0081-02	6.3655+00	2.0081-02	1.3859-02	3.1678-01	4.0944+05	5.1028-03	1.2590+00
43	469.62	1.6036+01	2.6057+00	8.1595-03	2.6057+00	8.1595-03	5.6312-03	1.2871-01	1.6636+05	2.0725-03	1.6500+00
44	471.28	9.5434+00	1.5666+00	4.9118-03	1.5666+00	4.9118-03	3.3898-03	7.7483-02	1.0015+05	1.2477-03	1.7720+00
45	483.62	2.7844+00	4.6918-01	1.4848-03	4.6918-01	1.4848-03	1.0247-03	2.3423-02	3.0274+04	3.7737-04	2.2400+00
46	473.49	1.1314+00	1.9219-01	6.0356-04	1.9219-01	6.0356-04	4.1655-04	9.5211-03	1.2306+04	1.5333-04	3.0250+00
47	462.02	2.0643+01	3.2253+00	1.0042-02	3.2253+00	1.0042-02	6.9306-03	1.5841-01	2.0475+05	2.5499-03	8.7000-01
48	477.31	4.9462+01	8.0290+00	2.5288-02	8.0290+00	2.5288-02	1.7452-02	3.9891-01	5.1560+05	6.4252-03	1.2590+00
49	474.40	3.3623+01	5.5476+00	1.7434-02	5.5476+00	1.7434-02	1.2032-02	2.7502-01	3.5547+05	4.4292-03	1.6500+00
50	469.30	1.4435+01	2.3736+00	7.4308-03	2.3736+00	7.4308-03	5.1283-03	1.1722-01	1.5151+05	1.8874-03	1.7720+00
51	476.12	1.3751+00	2.3193-01	7.2982-04	2.3193-01	7.2982-04	5.0368-04	1.1513-02	1.4880+04	1.8542-04	1.9200+00
52	483.91	1.9278+00	3.2490-01	1.0284-03	3.2490-01	1.0284-03	7.0978-04	1.6224-02	2.0969+04	2.6138-04	2.2400+00
53	476.98	1.2338+00	2.0699-01	6.5176-04	2.0699-01	6.5176-04	4.4981-04	1.0281-02	1.3289+04	1.6560-04	2.6360+00
54	473.21	1.9938+00	3.3365-01	1.0476-03	3.3365-01	1.0476-03	7.2301-04	1.6526-02	2.1360+04	2.6613-04	3.0250+00
55	470.42	1.1444+00	1.9286-01	6.0428-04	1.9286-01	6.0428-04	4.1704-04	9.5325-03	1.2321+04	1.5349-04	3.4150+00
56	478.05	3.6081+01	5.3205+00	1.6767-02	5.3205+00	1.6767-02	1.1571-02	2.6449-01	3.4186+05	4.2602-03	1.1570-01
57	461.79	1.7949+01	2.8216+00	8.7835-03	2.8216+00	8.7835-03	6.0619-03	1.3856-01	1.7909+05	2.2303-03	2.5000-01
58	454.25	1.1459+01	1.8034+00	5.5824-03	1.8034+00	5.5824-03	3.8527-03	8.8062-02	1.1382+05	1.4170-03	4.8300-01
59	459.84	2.1117+01	3.3361+00	1.0370-02	3.3361+00	1.0370-02	7.1570-03	1.6359-01	2.1144+05	2.6329-03	8.7000-01
60	468.55	2.5886+00	4.1391-01	1.2950-03	4.1391-01	1.2950-03	8.9377-04	2.0429-02	2.6405+04	3.2892-04	1.2590+00
61	457.07	1.6795+01	2.6730+00	8.2918-03	2.6730+00	8.2918-03	5.7225-03	1.3080-01	1.6906+05	2.1050-03	1.6500+00
62	458.29	1.1056+01	1.8318+00	5.6875-03	1.8318+00	5.6875-03	3.9252-03	8.9719-02	1.1596+05	1.4439-03	1.7720+00
63	474.53	5.8457-01	1.0034-01	3.1536-04	1.0034-01	3.1536-04	2.1764-04	4.9747-03	6.4299+03	8.0117-05	2.2400+00
64	469.71	5.2571-01	8.9595-02	2.8057-04	8.9595-02	2.8057-04	1.9364-04	4.4260-03	5.7206+03	7.1265-05	3.0250+00
65	474.55	3.2180+01	4.7343+00	1.4880-02	4.7343+00	1.4880-02	1.0269-02	2.3473-01	3.0339+05	3.7803-03	1.1570-01
66	458.38	1.5149+01	2.3089+00	7.1693-03	2.3089+00	7.1693-03	4.9478-03	1.1309-01	1.4617+05	1.8201-03	2.5000-01
67	449.14	8.8577+00	1.3892+00	4.2840-03	1.3892+00	4.2840-03	2.9566-03	6.7579-02	8.7346+04	1.0872-03	4.8300-01
68	442.63	5.0130+00	7.8268-01	2.4021-03	7.8268-01	2.4021-03	1.6578-03	3.7892-02	4.8976+04	6.0943-04	8.7000-01
69	436.29	4.2182+00	6.6795-01	2.0404-03	6.6795-01	2.0404-03	1.4082-03	3.2188-02	4.1603+04	5.1754-04	1.2590+00
70	434.79	3.8171+00	6.1120-01	1.8650-03	6.1120-01	1.8650-03	1.2871-03	2.9420-02	3.8026+04	4.7301-04	1.6500+00
71	437.08	3.2073+00	5.2525-01	1.6054-03	5.2525-01	1.6054-03	1.1080-03	2.5325-02	3.2733+04	4.0722-04	1.7720+00
72	441.23	9.4026-01	1.5534-01	4.7626-04	1.5534-01	4.7626-04	3.2869-04	7.5129-03	9.7105+03	1.2082-04	1.9200+00
73	456.10	9.5844-01	9.3756-02	2.9063-04	9.3756-02	2.9063-04	2.0057-04	4.5846-03	5.9256+03	7.3776-05	2.2400+00
74	468.67	3.2052-01	5.4270-02	1.6981-04	5.4270-02	1.6981-04	1.1720-04	2.6788-03	3.4624+03	4.3131-05	3.0250+00
75	468.67	2.6130-01	4.4372-02	1.3884-04	4.4372-02	1.3884-04	9.5822-05	2.1902-03	2.8309+03	3.5264-05	3.4150+00
76	462.26	3.5579+00	5.8931-01	1.8352-03	5.8931-01	1.8352-03	1.2665-03	2.8949-02	3.7417+04	4.6598-04	2.6360+00
77	456.84	3.5455+00	5.9206-01	1.8363-03	5.9206-01	1.8363-03	1.2673-03	2.8967-02	3.7440+04	4.6616-04	3.0250+00
78	459.86	3.6068+00	6.0530-01	1.8816-03	6.0530-01	1.8816-03	1.2986-03	2.9682-02	3.8364+04	4.7772-04	3.4150+00
79	473.93	3.8597+00	6.5582-01	2.0603-03	6.5582-01	2.0603-03	1.4219-03	3.2500-02	4.2007+04	5.2340-04	2.2400+00
80	463.70	3.8005+00	6.3010-01	1.9643-03	6.3010-01	1.9643-03	1.3557-03	3.0986-02	4.0050+04	4.9880-04	2.6360+00
81	460.25	3.9397+00	6.5361-01	2.0323-03	6.5361-01	2.0323-03	1.4026-03	3.2060-02	4.1437+04	5.1600-04	3.0250+00
82	464.30	3.8353+00	6.4370-01	2.0076-03	6.4370-01	2.0076-03	1.3855-03	3.1670-02	4.0933+04	5.0981-04	3.4150+00
401	551.04	1.1388+02	1.0569+01	3.5260-02	1.0569+01	3.5260-02	2.4335-02	5.5623-01	7.1893+05	8.9878-03	4.4500-01
403	520.62	7.8139+01	6.7612+00	2.2018-02	6.7612+00	2.2018-02	1.5196-02	3.4734-01	4.4894+05	5.6049-03	6.8600-01
404	518.59	7.2768+01	6.2884+00	2.0446-02	6.2884+00	2.0446-02	1.4111-02	3.2254-01	4.1688+05	5.2042-03	8.0100-01
405	493.62	4.4334+01	3.7707+00	1.2025-02	3.7707+00	1.2025-02	8.2990-03	1.8969-01	2.4518+05	3.0574-03	1.0510+00
406	591.71	-2.5974-03	-2.3451-04	-8.0895-07	-2.3451-04	-8.0895-07	-5.5830-07	-1.2761-05	-1.6494+01	-2.0658-07	1.1670+00
407	489.59	3.9527+01	3.4127+00	1.0850-02	3.4127+00	1.0850-02	7.4878-03	1.7115-01	2.2121+05	2.7581-03	1.2830+00
408	519.35	8.6525+01	7.4809+00	2.4338-02	7.4809+00	2.4338-02	1.6797-02	3.8393-01	4.9623+05	6.1950-03	5.1300-01
409	475.78	3.0235+01	2.5718+00	8.0907-03	2.5718+00	8.0907-03	5.5837-03	1.2763-01	1.6496+05	2.0556-03	5.7000-01
410	508.98	6.3052+01	5.4800+00	1.7684-02	5.4800+00	1.7684-02	1.2205-02	2.7897-01	3.6057+05	4.4994-03	6.2800-01
411	476.61	2.5682+01	2.1857+00	6.8804-03	2.1857+00	6.8804-03	4.7485-03	1.0854-01	1.4028+05	1.7481-03	6.8600-01
412	516.24	7.4172+01	6.4761+00	2.1018-02	6.4761+00	2.1018-02	1.4505-02	3.3155-01	4.2853+05	5.3491-03	7.4400-01
413	473.36	2.2454+01	1.9069+00	5.9880-03	1.9069+00	5.9880-03	4.1326-03	9.4460-02	1.2209+05	1.5212-03	8.0100-01
414	519.57	7.6040+01	6.5752+00	2.1395-02	6.5752+00	2.1395-02	1.4766-02	3.3751-01	4.3623+05	5.4460-03	8.5900-01
415	469.67	1.4503+01	1.2215+00	3.8250-03	1.2215+00	3.8250-03	2.6398-03	6.0339-02	7.7989+04	9.7155-04	9.1700-01
416	515.01	7.0880+01	6.0392+00	1.9581-02	6.0392+00	1.9581-02	1.3514-02	3.0889-01	3.9924+05	4.9832-03	5.7000-01
417	510.10	6.3174+01	5.4944+00	1.7747-02	5.4944+00	1.7747-02	1.2248-02	2.7995-01	3.6184+05	4.5154-03	1.0520+00

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163 4 -3.11 -15.11 .00 -.00 404 2 2.15 10.09 465.5 1727.1

8.39995+01 9.94520-03 7.09403-01 4.53341+03 9.93342-06 6.80396-08 5.55259-02 7.72000+00 7.02995-06 7.47182-02

1	550.40	1.0724+02	1.8341+01	6.1160-02	1.8341+01	6.1160-02	4.2212-02	9.6479-01	1.2469+06	1.9587-02	.0000+00	
2	527.70	8.1020+01	1.2250+01	4.0115-02	1.2250+01	4.0115-02	2.7687-02	6.3281-01	8.1781+05	1.0213-02	1.1570-01	
3	498.86	5.1386+01	8.2777+00	2.6504-02	8.2777+00	2.6504-02	1.8293-02	4.1810-01	5.4034+05	6.7396-03	2.5000-01	
4	486.14	4.0345+01	6.4861+00	2.0566-02	6.4861+00	2.0566-02	1.4195-02	3.2443-01	4.1928+05	5.2267-03	4.8300-01	
5	475.31	3.0298+01	4.8213+00	1.5162-02	4.8213+00	1.5162-02	1.0465-02	2.3918-01	3.0910+05	3.8515-03	8.7000-01	
6	469.76	2.4895+01	4.0209+00	1.2592-02	4.0209+00	1.2592-02	8.6911-03	1.9864-01	2.5671+05	3.1980-03	1.2590+00	
7	469.65	2.1713+01	3.4959+00	1.0947-02	3.4959+00	1.0947-02	7.5556-03	1.7269-01	2.2317+05	2.7802-03	1.6500+00	
8	469.47	1.7273+01	2.8834+00	9.0278-03	2.8834+00	9.0278-03	6.2309-03	1.4241-01	1.8405+05	2.2927-03	1.7720+00	
9	463.50	4.9101+00	8.2849-01	2.5824-03	8.2849-01	2.5824-03	1.7824-03	4.0737-02	5.2646+04	6.5567-04	1.9200+00	
10	469.48	3.9969+00	6.8305-01	2.1387-03	6.8305-01	2.1387-03	1.4761-03	3.3737-02	4.3600+04	5.4314-04	2.2400+00	
11	463.20	3.9304+00	6.7468-01	2.1025-03	6.7468-01	2.1025-03	1.4511-03	3.3166-02	4.2863+04	5.3381-04	2.6360+00	
12	462.34	4.0649+00	6.9536-01	2.1655-03	6.9536-01	2.1655-03	1.4946-03	3.4161-02	4.4148+04	5.4980-04	3.0250+00	
13	468.35	3.9174+00	6.7284-01	2.1049-03	6.7284-01	2.1049-03	1.4528-03	3.3204-02	4.2911+04	5.3453-04	3.4150+00	
14	529.83	7.4298+01	1.1286+01	3.7023-02	1.1286+01	3.7023-02	2.5553-02	5.8403-01	7.5477+05	9.4268-03	1.1570-01	
15	491.34	4.3406+01	7.0020+00	2.2290-02	7.0020+00	2.2290-02	1.5385-02	3.5163-01	4.5443+05	5.6662-03	2.5000-01	
16	481.10	3.5197+01	5.5871+00	1.7648-02	5.5871+00	1.7648-02	1.2180-02	2.7839-01	3.5978+05	4.4841-03	4.8300-01	
17	472.22	2.6808+01	4.2705+00	1.3399-02	4.2705+00	1.3399-02	9.2477-03	2.1136-01	2.7315+05	3.4031-03	8.7000-01	
18	466.56	2.1428+01	3.4323+00	1.0723-02	3.4323+00	1.0723-02	7.4008-03	1.6915-01	2.1860+05	2.7229-03	1.2590+00	
19	466.84	1.8825+01	3.0439+00	9.5115-03	3.0439+00	9.5115-03	6.5648-03	1.5004-01	1.9391+05	2.4153-03	1.6500+00	
20	463.87	1.2109+01	2.0257+00	6.3157-03	2.0257+00	6.3157-03	4.3591-03	9.9630-02	1.2876+05	1.6036-03	1.7720+00	
21	476.49	2.8597+01	4.5115+00	1.4201-02	4.5115+00	1.4201-02	9.8012-03	2.2401-01	2.8950+05	3.6075-03	4.8300-01	
22	470.93	2.2489+01	3.6128+00	1.1324-02	3.6128+00	1.1324-02	7.8158-03	1.7864-01	2.3086+05	2.8761-03	8.7000-01	
23	466.76	1.9409+01	3.1189+00	9.7454-03	3.1189+00	9.7454-03	6.7262-03	1.5373-01	1.9868+05	2.4747-03	1.2590+00	
24	467.71	1.7066+01	2.7780+00	8.6865-03	2.7780+00	8.6865-03	5.9954-03	1.3703-01	1.7709+05	2.2059-03	1.6500+00	
25	466.23	1.2659+01	2.0835+00	6.5077-03	2.0835+00	6.5077-03	4.4915-03	1.0266-01	1.3267+05	1.6525-03	1.7720+00	
26	466.22	3.0639+00	5.1792-01	1.6176-03	5.1792-01	1.6176-03	1.1165-03	2.5518-02	3.2978+04	4.1076-04	1.9200+00	
27	464.52	2.6166+00	4.4181-01	1.3782-03	4.4181-01	1.3782-03	9.5121-04	2.1740-02	2.8096+04	3.4993-04	3.0250+00	
28	474.66	2.4400+00	4.1479-01	1.3038-03	4.1479-01	1.3038-03	8.9987-04	2.0567-02	2.6580+04	3.3118-04	3.4150+00	
29	472.31	2.1741+01	3.4527+00	1.0834-02	3.4527+00	1.0834-02	7.4773-03	1.7090-01	2.2086+05	2.7517-03	8.7000-01	
30	467.00	1.6357+01	2.6209+00	8.1907-03	2.6209+00	8.1907-03	5.6532-03	1.2921-01	1.6698+05	2.0799-03	1.2590+00	
31	467.79	1.5856+01	2.5654+00	8.0220-03	2.5654+00	8.0220-03	5.5367-03	1.2655-01	1.6354+05	2.0371-03	1.6500+00	
32	467.29	1.0777+01	1.7750+00	5.5485-03	1.7750+00	5.5485-03	3.8295-03	8.7526-02	1.1311+05	1.4090-03	1.7720+00	
33	471.70	2.0468+00	3.4116-01	1.0700-03	3.4116-01	1.0700-03	7.3849-04	1.6879-02	2.1813+04	2.7176-04	2.2400+00	
34	471.33	1.8301+00	3.0589-01	9.5907-04	3.0589-01	9.5907-04	6.6194-04	1.5129-02	1.9552+04	2.4359-04	3.0250+00	
35	469.46	1.6964+01	2.4873+00	7.7877-03	2.4873+00	7.7877-03	5.3750-03	1.2285-01	1.5876+05	1.9778-03	1.1570-01	
36	480.05	2.9378+01	4.5722+00	1.4431-02	4.5722+00	1.4431-02	9.9599-03	2.2764-01	2.9419+05	3.6664-03	1.2500+00	
37	470.77	1.8057+00	3.0259-01	9.4833-04	3.0259-01	9.4833-04	6.5453-04	1.4960-02	1.9333+04	2.4085-04	1.9200+00	
38	474.83	1.2166+00	2.0624-01	6.4835-04	2.0624-01	6.4835-04	4.4749-04	1.0228-02	1.3218+04	1.6469-04	2.2400+00	
39	472.88	1.1444+00	1.9659-01	6.1709-04	1.9659-01	6.1709-04	4.2591-04	9.7346-03	1.2580+04	1.5674-04	3.0250+00	
40	472.99	1.3148+00	2.2392-01	7.0294-04	2.2392-01	7.0294-04	4.8517-04	1.1089-02	1.4331+04	1.7855-04	3.4150+00	
41	474.63	2.3551+01	3.7576+00	1.1811-02	3.7576+00	1.1811-02	8.1518-03	1.8632-01	2.4078+05	3.0002-03	8.7000-01	
42	488.98	3.6711+01	6.0234+00	1.9140-02	6.0234+00	1.9140-02	1.3211-02	3.0194-01	3.9021+05	4.8650-03	1.2590+00	
43	473.74	1.6624+01	2.7087+00	8.5083-03	2.7087+00	8.5083-03	5.8724-03	1.3422-01	1.7346+05	2.1612-03	1.6500+00	
44	473.77	1.0167+01	1.6718+00	5.2514-03	1.6718+00	5.2514-03	3.6245-03	8.2840-02	1.0706+05	1.3339-03	1.7720+00	
45	484.30	2.7174+00	4.5809-01	1.4505-03	4.5809-01	1.4505-03	1.0011-03	2.2881-02	2.9571+04	3.6860-04	2.2400+00	
46	473.75	1.1262+00	1.9134-01	6.0101-04	1.9134-01	6.0101-04	4.1482-04	9.4809-03	1.2253+04	1.5266-04	3.0250+00	
47	467.16	2.0916+01	3.2793+00	1.0250-02	3.2793+00	1.0250-02	7.0742-03	1.6169-01	2.0896+05	2.6028-03	8.7000-01	
48	489.61	4.8476+01	7.9327+00	2.5220-02	7.9327+00	2.5220-02	1.7407-02	3.9784-01	5.1415+05	6.4103-03	1.2590+00	
49	482.83	3.3346+01	5.5327+00	1.7499-02	5.5327+00	1.7499-02	1.2078-02	2.7604-01	3.5675+05	4.4466-03	1.6500+00	
50	472.95	1.4660+01	2.4165+00	7.5860-03	2.4165+00	7.5860-03	5.2358-03	1.1967-01	1.5465+05	1.9268-03	1.7720+00	
51	476.50	1.4223+00	2.3996-01	7.5531-04	2.3996-01	7.5531-04	5.2131-04	1.1915-02	1.5398+04	1.9188-04	1.9200+00	
52	484.40	1.9288+00	3.2518-01	1.0297-03	3.2518-01	1.0297-03	7.1071-04	1.6244-02	2.0993+04	2.6167-04	2.2400+00	
53	477.29	1.2545+00	2.1052-01	6.6303-04	2.1052-01	6.6303-04	4.5762-04	1.0459-02	1.3517+04	1.6844-04	2.6360+00	
54	473.71	2.0223+00	3.3855-01	1.0634-03	3.3855-01	1.0634-03	7.3394-04	1.6775-02	2.1679+04	2.7011-04	3.0250+00	
55	470.70	1.1984+00	2.0200-01	6.3306-04	2.0200-01	6.3306-04	4.3694-04	9.9865-03	1.2906+04	1.6078-04	3.4150+00	
56	487.25	3.7057+01	5.4975+00	1.7446-02	5.4975+00	1.7446-02	1.2041-02	2.7521-01	3.5567+05	4.4340-03	1.1570-01	
57	466.30	1.8051+01	2.8464+00	8.8907-03	2.8464+00	8.8907-03	6.1363-03	1.4025-01	1.8125+05	2.2576-03	2.5000-01	
58	457.16	1.1623+01	1.8329+00	5.6860-03	1.8329+00	5.6860-03	3.9244-03	8.9695-02	1.1592+05	1.4433-03	4.8300-01	
59	465.22	2.1220+01	3.3645+00	1.0501-02	3.3645+00	1.0501-02	7.2474-03	1.6565-01	2.1407+05	2.6663-03	8.7000-01	
60	469.23	2.6727+00	4.2756-01	1.3384-03	4.2756-01	1.3384-03	9.2378-04	2.1114-02	2.7286+04	3.3991-04	1.2590+00	
61	461.28	1.6783+01	2.6788+00	8.3360-03	2.6788+00	8.3360-03	5.7534-03	1.3150-01	1.6994+05	2.1163-03	1.6500+00	
62	461.02	1.0709+01	1.7776+00	5.5303-03	1.7776+00	5.5303-03	3.8170-03	8.7240-02	1.1275+05	1.4040-03	1.7720+00	
63	474.67	5.9948-01	1.0221-01	3.2127-04	1.0221-01	3.2127-04	2.2174-04	5.0680-03	6.5496+03	8.1608-05	2.2400+00	
64	469.84	4.8052-01	8.1901-02	2.5650-04	8.1901-02	2.5650-04	1.7704-04	4.0463-03	5.2292+03	6.5143-05	3.0250+00	
65	482.76	3.3154+01	4.9041+00	1.5510-02	4.9041+00	1.5510-02	1.0705-02	2.4466-01	3.1619+05	3.9411-03	1.1570-01	
66	462.27	1.5399+01	2.3532+00	7.3282-03	2.3532+00	7.3282-03	5.0579-03	1.1560-01	1.4940+05	1.8605-03	2.5000-01	
67	451.33	8.7112+00	1.3682+00	4.2262-03	1.3682+00	4.2262-03	2.9169-03	6.6668-02	8.6159+04	1.0725-03	4.8300-01	
68	443.88	5.0795+00	7.9375-01	2.4383-03	7.9375-01	2.4383-03	1.6829-03	3.8463-02	4.9708+04	6.1856-04	8.7000-01	
69	437.33	4.1730+00	6.6127-01	2.0216-03	6.6127-01	2.0216-03	1.3953-03	3.1890-02	4.1213+04	5.1271-04	1.2590+00	
70	435.65	3.6540+00	5.8543-01	1.7875-03	5.8543-01	1.7875-03	1.2337-03	2.8198-02	3.6442+04	4.5332-04	1.6500+00	
71	437.83	3.0426+00	4.9854-01	1.5246-03	4.9854-01	1.5246-03	1.0523-03	2.4051-02	3.1082+04	3.8669-04	1.7720+00	
72	441.49	9.7351-01	1.6086-01	4.9328-04	1.6086-01	4.9328-04	3.4046-04	7.7814-03	1.0056+04	1.2513-04	1.9200+00	
73	456.24	5.0961-01	8.5566-02	2.6526-04	8.5566-02	2.6526-04	1.8308-04	4.1845-03	5.4078+03	6.7329-05	2.2400+00	
74	468.76	3.3662-01	5.7000-02	1.7837-04	5.7000-02	1.7837-04	1.2311-04	2.8138-03	3.6364+03	4.5298-05	3.0250+00	
75	468.74	2.7065-01	4.5962-02	1.4383-04	4.5962-02	1.4383-04	9.9269-05	2.2689-03	2.9322+03	3.6525-05	3.4150+00	
76	463.12	3.4930+00	5.7889-01	1.8039-03	5.7889-01	1.8039-03	1.2450-03	2.8456-02	3.6775+04	4.5799-04	2.6360+00	
77	457.71	3.4816+00	5.8173-01	1.8054-03	5.8173-01	1.8054-03	1.2461-03	2.8480-02	3.6806+04	4.5828-04	3.0250+00	
78	460.74	3.6083+00	6.0593-01	1.8848-03	6.0593-01	1.8848-03	1.3008-03	2.9732-02	3.8424+04	4.7848-04	3.4150+00	
79	474.90	3.9044+00	6.6383-01	2.0870-03	6.6383-01	2.0870-03	1.4404-03	3.2922-02	4.2547+04	5.3014-04	2.2400+00	
80	464.62	3.7439+00	6.2110-01	1.9376-03	6.2110-01	1.9376-03	1.3373-03	3.0565-02	3.9501+04	4.9197-04	2.6360+00	
81	461.24	3.8680+00	6.4214-01	1.9982-03	6.4214-01	1.9982-03	1.3791-03	3.1521-02	4.0736+04	5.0728-04	3.0250+00	
82	465.23	3.8623+00	6.4864-01	2.0244-03	6.4864-01	2.0244-03	1.3973-03	3.1935-02	4.1272+04	5.1404-04	3.4150+00	
83	580.33	1.1399+02	1.0224+01	3.4937-02	1.0224+01	3.4937-02	2.4114-02	5.5113-01	7.1226+05	8.9159-03	4.4500-01	
401	539.49	7.3134+01	6.4023+00	2.1164-02	6.4023+00	2.1164-02	1.4607-02	3.3385-01	4.3145+05	5.3910-03	6.8600-01	
403	535.97	6.7411+01	5.8886+00	1.9411-02	5.8886+00	1.9411-02	1.3397-02	3.0620-01	3.9572+05	4.9438-03	8.0100-01	
404	504.41	4.2796+01	3.6653+00	1.1786-02	3.6653+00	1.1786-02	8.1349-03	1.8593-01	2.4028+05	2.9977-03	1.0510+00	
405	591.71	-2.5964-03	-2.3442-04	-8.0864-07	-2.3442-04	-8.0864-07	-5.5812-07	-1.2756-05	-1.6486+01	-2.0647-07	1.1670+00	
406	499.10	3.7674+01	3.2728+00	1.0481-02	3.7728+00	1.0481-02	7.2339-03	1.6534-01	2.1367+05	2.6651-03	1.2830+00	
407	540.39	8.4075+01	7.3642+00	2.4361-02	7.3642+00	2.4361-02	1.6814-02	3.8429-01	4.9663+05	6.2056-03	5.1300-01	
408	483.33	3.0280+01	2.5885+00	8.1900-03	2.5885+00	8.1900-03	5.6527-03	1.2920-01	1.6697+05	2.0812-03	5.7000-01	
409	524.52	6.1689+01	5.4142+00	1.7686-02	5.4142+00	1.7686-02	1.2207-02	2.7899-01	3.6056+05	4.5022-03	6.2800-01	
410	482.99	2.5747+01	2.2005+00	6.9606-03	2.2005+00	6.9606-03	4.8042-03	1.0980-01	1.4190+05	1.7687-03	6.8600-01	
411	534.33	7.0757+01	6.2478+00	2.0568-02	6.2478+00	2.0568-02	1.4196-02	3.2446-01	4.1931+05	5.2381-03	7.4400-01	
412	479.04	2.3084+01	1.9678+00	6.2059-03	1.9678+00	6.2059-03	4.2832-03	9.7897-02	1.2652+05	1.5767-03	8.0100-01	
413	537.85	7.0799+01	6.1917+00	2.0441-02	6.1917+00	2.0441-02	1.4108-02	3.2245-01	4.1671+05	5.2064-03	8.5900-01	
414	473.28	1.4825+01	1.2516+00	3.9299-03	1.2516+00	3.9299-03	2.7124-03	6.1993-02	8.0117+04	9.9820-04	9.1700-01	
415	532.57	7.0201+01	6.0472+00	1.9880-02	6.0472+00	1.9880-02	1.3721-02	3.1360-01	4.0528+05	5.0624-03	5.7000-01	
416	525.46	6.0138+01	5.2811+00	1.7264-02	5.2811+00	1.7264-02	1.1915-02	2.7233-01	3.5195+05	4.3949-03	1.0520+00	

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8.39634+01 9.94582-03 7.09447-01 4.53244+03 9.93830-06 6.80104-08 5.55651-02 7.72000+00 7.02653-06 7.47226-02

1	576.69	1.0298+02	1.7869+01	6.0934-02	1.7889+01	6.0934-02	4.2045-02	9.6123-01	1.2429+06	1.5559-02	.0000+00
2	547.69	7.9170+01	1.2117+01	4.0313-02	1.2117+01	4.0313-02	2.7816-02	6.3593-01	8.2224+05	1.0280-02	1.1570-01
3	511.53	5.0469+01	8.1959+00	2.6497-02	8.1959+00	2.6497-02	1.8283-02	4.1799-01	5.4045+05	6.7462-03	2.5000-01
4	496.15	3.9816+01	6.4426+00	2.0583-02	6.4428+00	2.0583-02	1.4202-02	3.2469-01	4.1982+05	5.2369-03	4.8300-01
5	482.82	2.9971+01	4.7930+00	1.5157-02	4.7930+00	1.5157-02	1.0458-02	2.3910-01	3.0915+05	3.8542-03	8.7000-01
6	475.97	2.4744+01	4.0130+00	1.2625-02	4.0130+00	1.2625-02	8.7111-03	1.9915-01	2.5750+05	3.2093-03	1.2590+00
7	475.07	2.1578+01	3.4867+00	1.0961-02	3.4867+00	1.0961-02	7.5634-03	1.7291-01	2.2358+05	2.7864-03	1.6500+00
8	473.74	1.6970+01	2.8410+00	8.9223-03	2.8410+00	8.9223-03	6.1564-03	1.4075-01	1.8199+05	2.2679-03	1.7720+00
9	464.74	4.9683+00	8.3901-01	2.6172-03	8.3901-01	2.6172-03	1.8059-03	4.1286-02	5.3382+04	6.6500-04	1.9200+00
10	470.47	4.0099+00	6.8572-01	2.1483-03	6.8572-01	2.1483-03	1.4823-03	3.3889-02	4.3818+04	5.4598-04	2.2400+00
11	464.16	3.9408+00	6.7690-01	2.1106-03	6.7690-01	2.1106-03	1.4563-03	3.3295-02	4.3049+04	5.3626-04	2.6360+00
12	463.34	4.0556+00	6.9423-01	2.1633-03	6.9423-01	2.1633-03	1.4927-03	3.4126-02	4.4124+04	5.4964-04	3.0250+00
13	469.29	3.8971+00	6.6978-01	2.0965-03	6.6978-01	2.0965-03	1.4466-03	3.3072-02	4.2761+04	5.3279-04	3.4150+00
14	548.24	7.2821+01	1.1187+01	3.7234-02	1.1187+01	3.7234-02	2.5692-02	5.8736-01	7.5945+05	9.4953-03	1.1570-01
15	502.14	4.2921+01	6.9721+00	2.2377-02	6.9721+00	2.2377-02	1.5440-02	3.5300-01	4.5642+05	5.6949-03	2.5000-01
16	489.87	3.4893+01	5.5708+00	1.7712-02	5.5708+00	1.7712-02	1.2221-02	2.7940-01	3.6126+05	4.5051-03	4.8300-01
17	478.90	2.6645+01	4.2633+00	1.3442-02	4.2633+00	1.3442-02	9.2749-03	2.1204-01	2.7417+05	3.4174-03	8.7000-01
18	471.92	2.1411+01	3.4419+00	1.0795-02	3.4419+00	1.0795-02	7.4484-03	1.7029-01	2.2018+05	2.7436-03	1.2590+00
19	471.53	1.8684+01	3.0305+00	9.5017-03	3.0305+00	9.5017-03	6.5562-03	1.4989-01	1.9380+05	2.4150-03	1.6500+00
20	466.88	1.2074+01	2.0239+00	6.3237-03	2.0239+00	6.3237-03	4.3634-03	9.9755-02	1.2898+05	1.6069-03	1.7720+00
21	483.54	2.8076+01	4.4498+00	1.4079-02	4.4498+00	1.4079-02	9.7149-03	2.2210-01	2.8717+05	3.5803-03	4.8300-01
22	476.56	2.2327+01	3.6002+00	1.1331-02	3.6002+00	1.1331-02	7.8184-03	1.7874-01	2.3111+05	2.8805-03	8.7000-01
23	471.63	1.9335+01	3.1172+00	9.7743-03	3.1172+00	9.7743-03	6.7443-03	1.5419-01	1.9936+05	2.4842-03	1.2590+00
24	471.95	1.6946+01	2.7663+00	8.6762-03	2.7663+00	8.6762-03	5.9866-03	1.3687-01	1.7697+05	2.2052-03	1.6500+00
25	469.38	1.2583+01	2.0755+00	6.4969-03	2.0755+00	6.4969-03	4.4829-03	1.0249-01	1.3252+05	1.6511-03	1.7720+00
26	467.00	3.1699+00	5.3612-01	1.6752-03	5.3612-01	1.6752-03	1.1559-03	2.6426-02	3.4168+04	4.2569-04	1.9200+00
27	465.18	2.6031+00	4.3972-01	1.3721-03	4.3972-01	1.3721-03	9.4677-04	2.1645-02	2.7987+04	3.4865-04	3.0250+00
28	475.29	2.4712+00	4.2026-01	1.3214-03	4.2026-01	1.3214-03	9.1179-04	2.0845-02	2.6953+04	3.3591-04	3.4150+00
29	477.73	2.1846+01	3.4819+00	1.0968-02	3.4819+00	1.0968-02	7.5682-03	1.7302-01	2.2372+05	2.7885-03	8.7000-01
30	471.12	1.6448+01	2.6427+00	8.2834-03	2.6427+00	8.2834-03	5.7156-03	1.3067-01	1.6895+05	2.1053-03	1.2590+00
31	471.72	1.5807+01	2.5642+00	8.0409-03	2.5642+00	8.0409-03	5.5483-03	1.2684-01	1.6401+05	2.0437-03	1.6500+00
32	469.99	1.0728+01	1.7702+00	5.5437-03	1.7702+00	5.5437-03	3.8252-03	8.7452-02	1.1307+05	1.4089-03	1.7720+00
33	472.24	2.0810+00	3.4700-01	1.0886-03	3.4700-01	1.0886-03	7.5111-04	1.7172-02	2.2203+04	2.7668-04	2.2400+00
34	471.71	1.6634+00	2.7809-01	8.7202-04	2.7809-01	8.7202-04	6.0170-04	1.3756-02	1.7786+04	2.2164-04	3.0250+00
35	473.79	1.7609+01	2.5893+00	8.1323-03	2.5893+00	8.1323-03	5.6113-03	1.2829-01	1.6587+05	2.0671-03	1.1570-01
37	487.39	2.9309+01	4.5836+00	1.4545-02	4.5836+00	1.4545-02	1.0036-02	2.2945-01	2.9667+05	3.6994-03	1.2590+00
38	471.23	1.9387+00	3.2497-01	1.0187-03	3.2497-01	1.0187-03	7.0289-04	1.6070-02	2.0778+04	2.5890-04	1.9200+00
39	475.14	1.2166+00	2.0628-01	6.4853-04	2.0628-01	6.4853-04	4.4749-04	1.0231-02	1.3228+04	1.6486-04	2.2400+00
40	473.15	1.1278+00	1.9377-01	6.0828-04	1.9377-01	6.0828-04	4.1971-04	9.5955-03	1.2407+04	1.5461-04	3.0250+00
41	473.31	1.2821+00	2.1839-01	6.8565-04	2.1839-01	6.8565-04	4.7310-04	1.0816-02	1.3985+04	1.7428-04	3.4150+00
42	480.54	2.3662+01	3.7901+00	1.1965-02	3.7901+00	1.1965-02	8.2557-03	1.8874-01	2.4404+05	3.0421-03	8.7000-01
43	497.81	3.4245+01	5.6569+00	1.8076-02	5.6509+00	1.8076-02	1.2473-02	2.8515-01	3.6869+05	4.5995-03	1.2590+00
44	477.94	1.6961+01	2.7712+00	8.7309-03	2.7712+00	8.7309-03	6.0244-03	1.3773-01	1.7808+05	2.2197-03	1.6500+00
45	476.39	1.0628+01	1.7506+00	5.5090-03	1.7506+00	5.5090-03	3.8012-03	8.6904-02	1.1236+05	1.4005-03	1.7720+00
46	484.97	2.7761+00	4.6819-01	1.4830-03	4.6819-01	1.4830-03	1.0233-03	2.3394-02	3.0248+04	3.7714-04	2.2400+00
47	474.04	1.1860+00	2.0153-01	6.3306-04	2.0153-01	6.3306-04	4.3681-04	9.9864-03	1.2912+04	1.6092-04	3.0250+00
48	472.53	2.1685+01	3.4120+00	1.0706-02	3.4120+00	1.0706-02	7.3872-03	1.6889-01	2.1837+05	2.7212-03	8.7000-01
49	501.57	4.7300+01	7.8002+00	2.5024-02	7.8002+00	2.5024-02	1.7267-02	3.9475-01	5.1040+05	6.3684-03	1.2590+00
50	491.11	3.2741+01	5.4618+00	1.7381-02	5.4618+00	1.7381-02	1.1993-02	2.7419-01	3.5452+05	4.4214-03	1.6500+00
51	476.62	1.4700+01	2.4290+00	7.6451-03	2.4290+00	7.6451-03	5.2751-03	1.2060-01	1.5593+05	1.9435-03	1.7720+00
52	476.83	1.3179+00	2.2239-01	7.0009-04	2.2239-01	7.0009-04	4.8306-04	1.1044-02	1.4279+04	1.7797-04	1.9200+00
53	484.89	1.8395+00	3.1021-01	9.8254-04	3.1021-01	9.8254-04	6.7795-04	1.5499-02	2.0040+04	2.4987-04	2.2400+00
54	477.62	1.3720+00	2.3027-01	7.2530-04	2.3027-01	7.2530-04	5.0046-04	1.1442-02	1.4794+04	1.8439-04	2.6360+00
55	474.21	2.0707+00	3.4675-01	1.0894-03	3.4675-01	1.0894-03	7.5169-04	1.7185-02	2.2220+04	2.7691-04	3.0250+00
56	470.99	1.2104+00	2.0406-01	6.3954-04	2.0406-01	6.3954-04	4.4129-04	1.0089-02	1.3045+04	1.6254-04	3.4150+00
57	496.60	3.7629+01	5.6163+00	1.7949-02	5.6163+00	1.7949-02	1.2385-02	2.8314-01	3.6610+05	4.5668-03	1.1570-01
58	470.83	1.8152+01	2.8709+00	8.9965-03	2.8709+00	8.9965-03	6.2076-03	1.4192-01	1.8350+05	2.2865-03	2.5000-01
59	460.09	1.1653+01	1.8412+00	5.7236-03	1.8412+00	5.7236-03	3.9493-03	9.0290-02	1.1674+05	1.4540-03	4.8300-01
60	470.50	2.0905+01	3.3263+00	1.0421-02	3.3263+00	1.0421-02	7.1906-03	1.6439-01	2.1255+05	2.6485-03	8.7000-01
61	469.89	2.6852+00	4.2974-01	1.3457-03	4.2974-01	1.3457-03	9.2856-04	2.1229-02	2.7448+04	3.4201-04	1.2590+00
62	465.45	1.6515+01	2.6434+00	8.2502-03	2.6434+00	8.2502-03	5.6926-03	1.3015-01	1.6828+05	2.0963-03	1.6500+00
63	463.65	1.0486+01	1.7437+00	5.4348-03	1.7437+00	5.4348-03	3.7500-03	8.5733-02	1.1085+05	1.3808-03	1.7720+00
64	474.80	5.4130-01	9.2296-02	2.9010-04	9.2296-02	2.9010-04	2.0017-04	4.5763-03	5.9171+03	7.3742-05	2.2400+00
65	469.97	5.8182-01	9.9175-02	3.1058-04	9.9175-02	3.1058-04	2.1430-04	4.8994-03	6.3349+03	7.8933-05	3.0250+00
66	491.15	3.3886+01	5.0399+00	1.6039-02	5.0399+00	1.6039-02	1.1067-02	2.5302-01	3.2715+05	4.0800-03	1.1570-01
67	466.13	1.5458+01	2.3684+00	7.3957-03	2.3684+00	7.3957-03	5.1031-03	1.1667-01	1.5085+05	1.8793-03	2.5000-01
68	453.45	8.6937+00	1.3684+00	4.2329-03	1.3684+00	4.2329-03	2.9207-03	6.6773-02	8.6336+04	1.0750-03	4.8300-01
69	445.16	5.0442+00	7.8893-01	2.4254-03	7.8893-01	2.4254-03	1.6735-03	3.8260-02	4.9470+04	6.1575-04	8.7000-01
70	438.36	4.1434+00	6.5705-01	2.0099-03	6.5705-01	2.0099-03	1.3868-03	3.1705-02	4.0995+04	5.1011-04	1.2590+00
71	436.58	3.6681+00	5.8806-01	1.7965-03	5.8806-01	1.7965-03	1.2396-03	2.8339-02	3.6642+04	4.5592-04	1.6500+00
72	438.61	3.0738+00	5.0392-01	1.5417-03	5.0392-01	1.5417-03	1.0638-03	2.4321-02	3.1446+04	3.9130-04	1.7720+00
73	441.72	9.6104-01	1.5883-01	4.8705-04	1.5883-01	4.8705-04	3.3607-04	7.6831-03	9.9342+03	1.2363-04	1.9200+00
74	456.36	5.2468-01	8.8103-02	2.7312-04	8.8103-02	2.7312-04	1.8845-04	4.3084-03	5.5706+03	6.9370-05	2.2400+00
75	468.86	2.9766-01	5.0406-02	1.5772-04	5.0406-02	1.5772-04	1.0883-04	2.4881-03	3.2170+03	4.0082-05	3.0250+00
76	468.80	2.5247-01	4.2876-02	1.3416-04	4.2876-02	1.3416-04	9.2568-05	2.1163-03	2.7363+03	3.4093-05	3.4150+00
77	463.97	3.5366+00	5.8646-01	1.8283-03	5.8646-01	1.8283-03	1.2616-03	2.8842-02	3.7292+04	4.6454-04	2.6360+00
78	458.58	3.5647+00	5.9597-01	1.8505-03	5.9597-01	1.8505-03	1.2769-03	2.9192-02	3.7745+04	4.7007-04	3.0250+00
79	461.65	3.6857+00	6.1931-01	1.9274-03	6.1931-01	1.9274-03	1.3299-03	3.0405-02	3.9313+04	4.8967-04	3.4150+00
80	475.85	3.9392+00	6.7018-01	2.1081-03	6.7018-01	2.1081-03	1.4546-03	3.3255-02	4.2999+04	5.3540-04	2.2400+00
81	465.58	3.8307+00	6.3590-01	1.9849-03	6.3590-01	1.9849-03	1.3696-03	3.1312-02	4.0485+04	5.0435-04	2.6360+00
82	462.19	3.8525+00	6.3996-01	1.9925-03	6.3996-01	1.9925-03	1.3748-03	3.1431-02	4.0640+04	5.0621-04	3.0250+00
83	466.22	3.9008+00	6.5553-01	2.0472-03	6.5553-01	2.0472-03	1.4125-03	3.2294-02	4.1755+04	5.2019-04	3.4150+00
401	608.05	1.0808+02	9.8489+00	3.4438-02	9.8489+00	3.4438-02	2.3763-02	5.4326-01	7.0243+05	8.8065-03	4.4500-01
403	557.11	6.8611+01	6.0706+00	2.0350-02	6.0706+00	2.0350-02	1.4042-02	3.2102-01	4.1507+05	5.1917-03	6.8600-01
404	552.16	6.3092+01	5.5658+00	1.8583-02	5.5658+00	1.8583-02	1.2823-02	2.9315-01	3.7904+05	4.7399-03	8.0100-01
405	514.96	4.2017+01	3.6227+00	1.1744-02	3.6227+00	1.1744-02	8.1031-03	1.8525-01	2.3953+05	2.9904-03	1.0510+00
406	591.71	-3.1154-03	-2.8128-04	-9.7012-07	-2.8128-04	-9.7012-07	-6.6939-07	-1.5304-05	-1.9787+01	-2.4789-07	1.1670+00
407	508.36	3.6221+01	3.1652+00	1.0208-02	3.1652+00	1.0208-02	7.0434-03	1.6103-01	2.0820+05	2.5985-03	1.2830+00
408	561.25	8.2861+01	7.3496+00	2.4720-02	7.3496+00	2.4720-02	1.7057-02	3.8996-01	5.0421+05	6.3078-03	5.1300-01
409	490.87	3.0364+01	2.6085+00	8.2997-03	2.6085+00	8.2997-03	5.7268-03	1.3093-01	1.6929+05	2.1112-03	5.7000-01
410	539.79	6.0688+01	5.3766+00	1.7774-02	5.3766+00	1.7774-02	1.2264-02	2.8039-01	3.6254+05	4.5310-03	6.2800-01
411	489.44	2.6137+01	2.2432+00	7.1297-03	2.2432+00	7.1297-03	4.9195-03	1.1247-01	1.4542+05	1.8135-03	6.8600-01
412	551.59	6.7575+01	6.0298+00	2.0123-02	6.0298+00	2.0123-02	1.3885-02	3.1744-01	4.1044+05	5.1325-03	7.4400-01
413	484.89	2.3658+01	2.0244+00	6.4120-03	2.0244+00	6.4120-03	4.4243-03	1.0115-01	1.3078+05	1.6306-03	8.0100-01
414	554.98	6.6282+01	5.8567+00	1.9598-02	5.8567+00	1.9598-02	1.3522-02	3.0915-01	3.9973+05	4.9992-03	8.5900-01
415	477.06	1.5483+01	1.3164+00	4.1257-03	1.3104+00	4.1257-03	2.8468-03	6.5083-02	8.4150+04	1.0488-03	9.1700-01
416	550.07	6.9862+01	6.0824+00	2.0274-02	6.0824+00	2.0274-02	1.3989-02	3.1982-01	4.1352+05	5.1707-03	5.7000-01
417	540.11	5.7461+01	5.0917+00	1.6837-02	5.0917+00	1.6837-02	1.1617-02	2.6560-01	3.4341+05	4.2921-03	1.0520+00

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8.39634+01 9.94582-03 7.09447-01 4.53244+03 9.93830-06 6.80104-08 5.55651-02 7.72000+00 7.02653-06 7.47226-02

1	601.90	9.8898+01	1.7430+01	6.0613-02	1.7430+01	6.0613-02	4.1823-02	9.5616-01	1.2363+06	1.5500-02	.0000+00
2	567.27	7.7293+01	1.1969+01	4.0443-02	1.1969+01	4.0443-02	2.7906-02	6.3798-01	8.2489+05	1.0326-02	1.1570-01
3	524.04	4.9980+01	8.1805+00	2.6700-02	8.1805+00	2.6700-02	1.8423-02	4.2118-01	5.4458+05	6.8036-03	2.5000-01
4	506.04	3.9430+01	6.4209+00	2.0664-02	6.4209+00	2.0664-02	1.4258-02	3.2597-01	4.2148+05	5.2614-03	4.8300-01
5	490.29	2.9788+01	4.7869+00	1.5220-02	4.7869+00	1.5220-02	1.0502-02	2.4009-01	3.1043+05	3.8725-03	8.7000-01
6	482.16	2.4561+01	3.9997+00	1.2638-02	3.9997+00	1.2638-02	8.7202-03	1.9936-01	2.5777+05	3.2145-03	1.2590+00
7	480.47	2.1542+01	3.4934+00	1.1024-02	3.4934+00	1.1024-02	7.6068-03	1.7391-01	2.2486+05	2.8038-03	1.6500+00
8	477.94	1.6761+01	2.8137+00	8.8621-03	2.8137+00	8.8621-03	6.1149-03	1.3980-01	1.8076+05	2.2537-03	1.7720+00
9	466.00	5.0322+00	8.5052-01	2.6548-03	8.5052-01	2.6548-03	1.8318-03	4.1879-02	5.4149+04	6.7479-04	1.9200+00
10	471.46	4.0795+00	6.9809-01	2.1880-03	6.9809-01	2.1880-03	1.5097-03	3.4515-02	4.4628+04	5.5627-04	2.2400+00
11	465.15	4.0390+00	6.9423-01	2.1656-03	6.9423-01	2.1656-03	1.4943-03	3.4162-02	4.4171+04	5.5042-04	2.6360+00
12	464.35	4.0686+00	6.9693-01	2.1727-03	6.9693-01	2.1727-03	1.4992-03	3.4275-02	4.4317+04	5.5222-04	3.0250+00
13	470.27	3.9517+00	6.7960-01	2.1281-03	6.7960-01	2.1281-03	1.4684-03	3.3571-02	4.3407+04	5.4102-04	3.4150+00
14	566.27	7.1301+01	1.1072+01	3.7382-02	1.1072+01	3.7382-02	2.5794-02	5.8969-01	7.6246+05	9.5438-03	1.1570-01
15	512.80	4.2506+01	6.9518+00	2.2490-02	6.9518+00	2.2490-02	1.5518-02	3.5478-01	4.5873+05	5.7282-03	2.5000-01
16	498.56	3.4589+01	5.5534+00	1.7769-02	5.5534+00	1.7769-02	1.2261-02	2.8030-01	3.6243+05	4.5228-03	4.8300-01
17	485.54	2.6431+01	4.2476+00	1.3456-02	4.2476+00	1.3456-02	9.2847-03	2.1227-01	2.7446+05	3.4231-03	8.7000-01
18	477.25	2.1366+01	3.4468+00	1.0851-02	3.4468+00	1.0851-02	7.4870-03	1.7117-01	2.2132+05	2.7593-03	1.2590+00
19	476.18	1.8586+01	3.0240+00	9.5118-03	3.0240+00	9.5118-03	6.5632-03	1.5005-01	1.9401+05	2.4187-03	1.6500+00
20	469.89	1.2083+01	2.0296+00	6.3537-03	2.0296+00	6.3537-03	4.3841-03	1.0023-01	1.2959+05	1.6152-03	1.7720+00
21	490.50	2.7744+01	4.4173+00	1.4047-02	4.4173+00	1.4047-02	9.6922-03	2.2158-01	2.8650+05	3.5741-03	4.8300-01
22	482.09	2.2111+01	3.5785+00	1.1306-02	3.5785+00	1.1306-02	7.8015-03	1.7836-01	2.3061+05	2.8758-03	8.7000-01
23	476.43	1.9150+01	3.0972+00	9.7441-03	3.0972+00	9.7441-03	6.7234-03	1.5371-01	1.9875+05	2.4778-03	1.2590+00
24	476.18	1.6891+01	2.7651+00	8.6975-03	2.7651+00	8.6975-03	6.0013-03	1.3720-01	1.7740+05	2.2117-03	1.6500+00
25	472.51	1.2451+01	2.0579+00	6.4553-03	2.0579+00	6.4553-03	4.4542-03	1.0183-01	1.3167+05	1.6412-03	1.7720+00
26	467.81	3.2016+00	5.4177-01	1.6934-03	5.4177-01	1.6934-03	1.1684-03	2.6713-02	3.4539+04	4.3045-04	1.9200+00
27	465.81	2.5948+00	4.3851-01	1.3686-03	4.3851-01	1.3686-03	9.4432-04	2.1589-02	2.7914+04	3.4785-04	3.0250+00
28	475.88	2.3979+00	4.0796-01	1.2829-03	4.0796-01	1.2829-03	8.8523-04	2.0238-02	2.6168+04	3.2623-04	3.4150+00
29	483.21	2.1964+01	3.5134+00	1.1110-02	3.5134+00	1.1110-02	7.6661-03	1.7526-01	2.2661+05	2.8261-03	8.7000-01
30	475.25	1.6579+01	2.6710+00	8.3957-03	2.6710+00	8.3957-03	5.7930-03	1.3244-01	1.7124+05	2.1348-03	1.2590+00
31	475.67	1.5759+01	2.5632+00	8.0592-03	2.5632+00	8.0592-03	5.5609-03	1.2713-01	1.6438+05	2.0493-03	1.6500+00
32	472.65	1.0571+01	1.7475+00	5.4819-03	1.7475+00	5.4819-03	3.7825-03	8.6477-02	1.1181+05	1.3938-03	1.7720+00
33	472.76	2.1475+00	3.5821-01	1.1238-03	3.5821-01	1.1238-03	7.7545-04	1.7728-02	2.2922+04	2.8574-04	2.2400+00
34	472.10	1.7896+00	2.9927-01	9.3845-04	2.9927-01	9.3845-04	6.4753-04	1.4804-02	1.9141+04	2.3859-04	3.0250+00
35	478.28	1.8248+01	2.6913+00	8.4789-03	2.6913+00	8.4789-03	5.8505-03	1.3375-01	1.7294+05	2.1563-03	1.1570-01
37	494.71	2.9274+01	4.5999+00	1.4675-02	4.5999+00	1.4675-02	1.0126-02	2.3149-01	2.9931+05	3.7346-03	1.2500+00
38	471.73	2.0623+00	3.4581-01	1.0841-03	3.4581-01	1.0841-03	7.4802-04	1.7101-02	2.2112+04	2.7562-04	1.9200+00
39	475.45	1.2717+00	2.1566-01	6.7798-04	2.1566-01	6.7798-04	4.6781-04	1.0695-02	1.3828+04	1.7240-04	2.2400+00
40	473.45	1.2005+00	2.0630-01	6.4758-04	2.0630-01	6.4758-04	4.4683-04	1.0215-02	1.3208+04	1.6465-04	3.0250+00
41	473.63	1.3034+00	2.2206-01	6.9715-04	2.2206-01	6.9715-04	4.8103-04	1.0997-02	1.4219+04	1.7726-04	3.4150+00
42	486.48	2.3703+01	3.8116+00	1.2083-02	3.8116+00	1.2083-02	8.3376-03	1.9061-01	2.4646+05	3.0740-03	8.7000-01
43	506.04	3.2162+01	5.3353+00	1.7170-02	5.3353+00	1.7170-02	1.1848-02	2.7086-01	3.5022+05	4.3719-03	1.2590+00
44	482.21	1.7223+01	2.8220+00	8.9171-03	2.8220+00	8.9171-03	6.1528-03	1.4067-01	1.8188+05	2.2681-03	1.6500+00
45	479.11	1.1036+01	1.8211+00	5.7410-03	1.8211+00	5.7410-03	3.9613-03	9.0564-02	1.1710+05	1.4601-03	1.7720+00
46	485.67	2.7751+00	4.6824-01	1.4835-03	4.6824-01	1.4835-03	1.0236-03	2.3402-02	3.0258+04	3.7739-04	2.2400+00
47	474.34	1.1990+00	2.0377-01	6.4008-04	2.0377-01	6.4008-04	4.4165-04	1.0097-02	1.3055+04	1.6275-04	3.0250+00
48	478.01	2.2101+01	3.4901+00	1.0993-02	3.4901+00	1.0993-02	7.5854-03	1.7342-01	2.2422+05	2.7957-03	8.7000-01
49	513.25	4.6051+01	7.6509+00	2.4761-02	7.6509+00	2.4761-02	1.7085-02	3.9060-01	5.0504+05	6.3066-03	1.2590+00
50	499.20	3.2141+01	5.3897+00	1.7254-02	5.3897+00	1.7254-02	1.1905-02	2.7218-01	3.5192+05	4.3918-03	1.6500+00
51	480.28	1.4088+01	2.4330+00	7.6766-03	2.4330+00	7.6766-03	5.2969-03	1.2110-01	1.5658+05	1.9524-03	1.7720+00
52	477.14	1.4130+00	2.3849-01	7.5069-04	2.3849-01	7.5069-04	5.1798-04	1.1842-02	1.5312+04	1.9090-04	1.9200+00
53	485.33	1.7901+00	3.0198-01	9.5649-04	3.0198-01	9.5649-04	6.5998-04	1.5089-02	1.9509+04	2.4332-04	2.2400+00
54	477.96	1.3590+00	2.2814-01	7.1857-04	2.2814-01	7.1857-04	4.9582-04	1.1335-02	1.4656+04	1.8274-04	2.6360+00
55	474.74	2.0229+00	3.3887-01	1.0647-03	3.3887-01	1.0647-03	7.3667-04	1.6796-02	2.1717+04	2.7073-04	3.0250+00
56	471.30	1.2270+00	2.0690-01	6.4842-04	2.0690-01	6.4842-04	4.4741-04	1.0229-02	1.3225+04	1.6485-04	3.4150+00
57	506.10	3.8223+01	5.7400+00	1.8473-02	5.7400+00	1.8473-02	1.2747-02	2.9142-01	3.7680+05	4.7037-03	1.1570-01
58	475.36	1.8156+01	2.8803+00	9.0541-03	2.8803+00	9.0541-03	6.2474-03	1.4283-01	1.8467+05	2.3023-03	2.5000-01
59	462.99	1.1641+01	1.8430+00	5.7398-03	1.8430+00	5.7398-03	3.9604-03	9.0544-02	1.1707+05	1.4587-03	4.8300-01
60	475.67	2.0640+01	3.2954+00	1.0362-02	3.2954+00	1.0362-02	7.1496-03	1.6345-01	2.1134+05	2.6348-03	8.7000-01
61	470.56	2.7283+00	4.3684-01	1.3682-03	4.3684-01	1.3682-03	9.4410-04	2.1584-02	2.7908+04	3.4784-04	1.2590+00
62	469.56	1.6293+01	2.6150+00	8.1845-03	2.6150+00	8.1845-03	5.6473-03	1.2911-01	1.6694+05	2.0806-03	1.6500+00
63	466.26	1.0331+01	1.7209+00	5.3726-03	1.7209+00	5.3726-03	3.7071-03	8.4752-02	1.0958+05	1.3656-03	1.7720+00
64	474.94	5.7715-01	9.8417-02	3.0928-04	9.8417-02	3.0928-04	2.1340-04	4.8788-03	6.3082+03	7.8641-05	2.2400+00
65	470.12	5.9065-01	1.0069-01	3.1527-04	1.0069-01	3.1527-04	2.1754-04	4.9733-03	6.4304+03	8.0148-05	3.0250+00
66	499.73	3.4517+01	5.1623+00	1.6533-02	5.1623+00	1.6533-02	1.1408-02	2.6080-01	3.3721+05	4.2084-03	1.1570-01
67	470.00	1.5539+01	2.3869+00	7.4730-03	2.3869+00	7.4730-03	5.1564-03	1.1789-01	1.5242+05	1.8998-03	2.5000-01
68	455.66	8.9870+00	1.4157+00	4.3851-03	1.4157+00	4.3851-03	3.0257-03	6.9175-02	8.9442+04	1.1141-03	4.8300-01
69	446.43	5.0551+00	7.9133-01	2.4343-03	7.9133-01	2.4343-03	1.6797-03	3.8401-02	4.9652+04	6.1823-04	8.7000-01
70	439.39	4.1922+00	6.6528-01	2.0360-03	6.6528-01	2.0360-03	1.4048-03	3.2117-02	4.1527+04	5.1691-04	1.2590+00
71	437.52	3.6992+00	5.9345-01	1.8137-03	5.9345-01	1.8137-03	1.2514-03	2.8610-02	3.6993+04	4.6043-04	1.6500+00
72	439.36	3.0166+00	4.9481-01	1.5143-03	4.9481-01	1.5143-03	1.0448-03	2.3887-02	3.0886+04	3.8445-04	1.7720+00
73	441.96	9.9169-01	1.6392-01	5.0261-04	1.6392-01	5.0261-04	3.4680-04	7.9286-03	1.0252+04	1.2762-04	1.9200+00
74	456.49	5.0961-01	8.5581-02	2.6524-04	8.5581-02	2.6524-04	1.8302-04	4.1842-03	5.4100+03	6.7391-05	2.2400+00
75	468.91	2.4676-01	4.1787-02	1.3072-04	4.1787-02	1.3072-04	9.0197-05	2.0621-03	2.6663+03	3.3230-05	3.0250+00
76	468.85	2.3948-01	4.0672-02	1.2723-04	4.0672-02	1.2723-04	8.7788-05	2.0070-03	2.5950+03	3.2342-05	3.4150+00
77	464.88	3.5990+00	5.9716-01	1.8624-03	5.9716-01	1.8624-03	1.2851-03	2.9380-02	3.7987+04	4.7336-04	2.6360+00
78	459.48	3.5964+00	6.0164-01	1.8688-03	6.0164-01	1.8688-03	1.2895-03	2.9480-02	3.8118+04	4.7488-04	3.0250+00
79	462.57	3.6992+00	6.2196-01	1.9364-03	6.2196-01	1.9364-03	1.3361-03	3.0547-02	3.9497+04	4.9212-04	3.4150+00
80	476.87	4.0016+00	6.8124-01	2.1439-03	6.8124-01	2.1439-03	1.4793-03	3.3820-02	4.3729+04	5.4519-04	2.2400+00
81	466.54	3.8130+00	6.3338-01	1.9779-03	6.3338-01	1.9779-03	1.3647-03	3.1200-02	4.0341+04	5.0273-04	2.6360+00
82	463.15	3.9418+00	6.5523-01	2.0409-03	6.5523-01	2.0409-03	1.4082-03	3.2195-02	4.1627+04	5.1868-04	3.0250+00
83	467.19	3.8842+00	6.5317-01	2.0406-03	6.5317-01	2.0406-03	1.4080-03	3.2191-02	4.1622+04	5.1871-04	3.4150+00
401	634.32	1.0225+02	9.4531+00	3.3796-02	9.4531+00	3.3796-02	2.3319-02	5.3312-01	6.8932+05	8.6559-03	4.4500-01
403	573.71	6.4514+01	5.7644+00	1.9581-02	5.7644+00	1.9581-02	1.3511-02	3.0888-01	3.9938+05	5.0008-03	6.8600-01
404	567.41	5.9457+01	5.2930+00	1.7887-02	5.2930+00	1.7887-02	1.2342-02	2.8216-01	3.6483+05	4.5668-03	8.0100-01
405	525.35	4.1328+01	3.5866+00	1.1718-02	3.5866+00	1.1718-02	8.0855-03	1.8485-01	2.3901+05	2.9862-03	1.0510+00
406	591.71	-3.1142-03	-2.8117-04	-9.6943-07	-2.8117-04	-9.6943-07	-6.6891-07	-1.5293-05	-1.9773+01	-2.4779-07	1.1670+00
407	517.22	3.4931+01	3.0696+00	9.9653-03	3.0696+00	9.9653-03	6.8761-03	1.5720-01	2.0326+05	2.5386-03	1.2830+00
408	581.87	8.1612+01	7.3268+00	2.5056-02	7.3268+00	2.5056-02	1.7289-02	3.9525-01	5.1106+05	6.4016-03	5.1300-01
409	498.46	3.0719+01	2.6520+00	8.4847-03	2.6520+00	8.4847-03	5.8545-03	1.3385-01	1.7306+05	2.1597-03	5.7000-01
410	554.84	5.9812+01	5.3475+00	1.7888-02	5.3475+00	1.7888-02	1.2342-02	2.8217-01	3.6484+05	4.5644-03	6.2800-01
411	496.03	2.6647+01	2.2968+00	7.3348-03	2.2968+00	7.3348-03	5.0610-03	1.1570-01	1.4960+05	1.8667-03	6.8600-01
412	568.10	6.4481+01	5.8105+00	1.9647-02	5.8105+00	1.9647-02	1.3556-02	3.0992-01	4.0073+05	5.0164-03	7.4400-01
413	490.85	2.4190+01	2.0780+00	6.6098-03	2.0780+00	6.6098-03	4.5608-03	1.0427-01	1.3482+05	1.6819-03	8.0100-01
414	570.89	6.2355+01	5.5623+00	1.8850-02	5.5623+00	1.8850-02	1.3007-02	2.9736-01	3.8448+05	4.8137-03	8.5900-01
415	481.01	1.6250+01	1.3789+00	4.3533-03	1.3789+00	4.3533-03	3.0038-03	6.8673-02	8.8793+04	1.1072-03	9.1700-01
416	567.51	6.9381+01	6.1037+00	2.0628-02	6.1037+00	2.0628-02	1.4233-02	3.2541-01	4.2074+05	5.2668-03	5.7000-01
417	554.15	5.5137+01	4.9275+00	1.6473-02	4.9275+00	1.6473-02	1.1366-02	2.5986-01	3.3599+05	4.2034-03	1.0520+00

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163 4 -3.12 -15.12 .00 -.00 404 2 3.15 10.09 465.5 1726.9

8.39905+01 9.94535-03 7.09414-01 4.53317+03 9.93464-06 6.80323-08 5.55357-02 7.72000+00 7.02909-06 7.47193-02

1	649.32	9.0712+01	1.6409+01	5.9488-02	1.6409+01	5.9488-02	4.1056-02	9.3842-01	1.2129+06	1.5227-02	.0000+00
2	604.98	7.3616+01	1.1650+01	4.0651-02	1.1650+01	4.0651-02	2.8055-02	6.4126-01	8.2884+05	1.0384-02	1.1570-01
3	548.87	4.9082+01	8.1568+00	2.7175-02	8.1568+00	2.7175-02	1.8755-02	4.2868-01	5.5408+05	6.9240-03	2.5000-01
4	525.58	3.8743+01	6.3873+00	2.0889-02	6.3873+00	2.0889-02	1.4416-02	3.2952-01	4.2590+05	5.3168-03	4.8300-01
5	505.07	2.9313+01	4.7557+00	1.5305-02	4.7557+00	1.5305-02	1.0563-02	2.4144-01	3.1207+05	3.8923-03	8.7000-01
6	494.33	2.4359+01	3.9984+00	1.2762-02	3.9984+00	1.2762-02	8.8074-03	2.0131-01	2.6020+05	3.2439-03	1.2590+00
7	491.17	2.1296+01	3.4778+00	1.1073-02	3.4778+00	1.1073-02	7.6422-03	1.7468-01	2.2577+05	2.8143-03	1.6500+00
8	486.26	1.6390+01	2.7665+00	8.7756-03	2.7665+00	8.7756-03	6.0565-03	1.3843-01	1.7893+05	2.2299-03	1.7720+00
9	468.50	5.0530+00	8.5546-01	2.6773-03	8.5546-01	2.6773-03	1.8477-03	4.2234-02	5.4587+04	6.7979-04	1.9200+00
10	473.55	4.1932+00	7.1855-01	2.2574-03	7.1855-01	2.2574-03	1.5579-03	3.5610-02	4.6026+04	5.7329-04	2.2400+00
11	467.19	3.9709+00	6.8346-01	2.1369-03	6.8346-01	2.1369-03	1.4748-03	3.3709-02	4.3569+04	5.4254-04	2.6360+00
12	466.39	4.0260+00	6.9058-01	2.1578-03	6.9058-01	2.1578-03	1.4892-03	3.4040-02	4.3996+04	5.4785-04	3.0250+00
13	472.28	3.9610+00	6.8212-01	2.1409-03	6.8212-01	2.1409-03	1.4775-03	3.3772-02	4.3651+04	5.4368-04	3.4150+00
14	601.15	6.8373+01	1.0834+01	3.7680-02	1.0834+01	3.7680-02	2.6005-02	5.9440-01	7.6827+05	9.6233-03	1.1570-01
15	533.87	4.1734+01	6.9157+00	2.2766-02	6.9157+00	2.2766-02	1.5712-02	3.5912-01	4.6417+05	5.7966-03	2.5000-01
16	515.68	3.3857+01	5.4954+00	1.7833-02	5.4954+00	1.7833-02	1.2307-02	2.8131-01	3.6359+05	4.5370-03	4.8300-01
17	498.64	2.6017+01	4.2167+00	1.3503-02	4.2167+00	1.3503-02	9.3192-03	2.1301-01	2.7532+05	3.4330-03	8.7000-01
18	487.92	2.1141+01	3.4345+00	1.0908-02	3.4345+00	1.0908-02	7.5283-03	1.7208-01	2.2241+05	2.7720-03	1.2590+00
19	485.41	1.8325+01	2.9997+00	9.5092-03	2.9997+00	9.5092-03	6.5627-03	1.5001-01	1.9388+05	2.4162-03	1.6500+00
20	475.95	1.2075+01	2.0364+00	6.4091-03	2.0364+00	6.4091-03	4.4232-03	1.0110-01	1.3068+05	1.6278-03	1.7720+00
21	504.27	2.7456+01	4.4103+00	1.4185-02	4.4103+00	1.4185-02	9.7897-03	2.2377-01	2.8922+05	3.6072-03	4.8300-01
22	493.05	2.1667+01	3.5317+00	1.1261-02	3.5317+00	1.1261-02	7.7719-03	1.7764-01	2.2961+05	2.8623-03	8.7000-01
23	485.94	1.8957+01	3.0853+00	9.7844-03	3.0853+00	9.7844-03	6.7527-03	1.5435-01	1.9950+05	2.4862-03	1.2590+00
24	484.62	1.6748+01	2.7569+00	8.7342-03	2.7569+00	8.7342-03	6.0278-03	1.3778-01	1.7808+05	2.2192-03	1.6500+00
25	478.67	1.2183+01	2.0220+00	6.3768-03	2.0220+00	6.3768-03	4.4009-03	1.0059-01	1.3002+05	1.6198-03	1.7720+00
26	469.37	3.1927+00	5.4084-01	1.6937-03	5.4084-01	1.6937-03	1.1689-03	2.6718-02	3.4534+04	4.3007-04	1.9200+00
27	467.09	2.5984+00	4.3950-01	1.3740-03	4.3950-01	1.3740-03	9.4828-04	2.1675-02	2.8015+04	3.4886-04	3.0250+00
28	477.08	2.4203+00	4.1209-01	1.2981-03	4.1209-01	1.2981-03	8.9587-04	2.0477-02	2.6467+04	3.2972-04	3.4150+00
29	494.23	2.2038+01	3.5506+00	1.1332-02	3.5506+00	1.1332-02	7.8205-03	1.7876-01	2.3104+05	2.8804-03	8.7000-01
30	483.52	1.6565+01	2.6833+00	8.4940-03	2.6833+00	8.4940-03	5.8621-03	1.3399-01	1.7318+05	2.1581-03	1.2590+00
31	483.53	1.5659+01	2.5662+00	8.1042-03	2.5602+00	8.1042-03	5.5931-03	1.2784-01	1.6524+05	2.0590-03	1.6500+00
32	477.90	1.0431+01	1.7302+00	5.4535-03	1.7302+00	5.4535-03	3.7637-03	8.6028-02	1.1119+05	1.3852-03	1.7720+00
33	473.84	2.1361+00	3.5656-01	1.1204-03	3.5656-01	1.1204-03	7.7325-04	1.7674-02	2.2844+04	2.8455-04	2.2400+00
34	473.17	2.0400+00	3.4138-01	1.0722-03	3.4138-01	1.0722-03	7.3996-04	1.6913-02	2.1861+04	2.7229-04	3.0250+00
35	487.64	1.9054+01	2.8274+00	8.9781-03	2.8274+00	8.9781-03	6.1962-03	1.4163-01	1.8306+05	2.2815-03	1.1570-01
37	509.30	2.9111+01	4.6173+00	1.4909-02	4.6173+00	1.4909-02	1.0289-02	2.3518-01	3.0397+05	3.7920-03	1.2500+00
38	472.79	2.1423+00	3.5948-01	1.1287-03	3.5948-01	1.1287-03	7.7896-04	1.7805-02	2.3013+04	2.8663-04	1.9200+00
39	476.09	1.2992+00	2.2042-01	6.9381-04	2.2042-01	6.9381-04	4.7883-04	1.0945-02	1.4146+04	1.7622-04	2.2400+00
40	474.06	1.2530+00	2.1541-01	6.7698-04	2.1541-01	6.7698-04	4.6722-04	1.0679-02	1.3803+04	1.7193-04	3.0250+00
41	474.31	1.3922+00	2.3730-01	7.4594-04	2.3730-01	7.4594-04	5.1481-04	1.1767-02	1.5209+04	1.8945-04	3.4150+00
42	498.26	2.3391+01	3.7961+00	1.2134-02	3.7901+00	1.2134-02	8.3741-03	1.9141-01	2.4740+05	3.0848-03	8.7000-01
43	521.25	2.8956+01	4.8498+00	1.5806-02	4.8498+00	1.5806-02	1.0909-02	2.4934-01	3.2228+05	4.0225-03	1.2590+00
44	490.96	1.7656+01	2.9096+00	9.2625-03	2.9096+00	9.2625-03	6.3925-03	1.4612-01	1.8886+05	2.3541-03	1.6500+00
45	484.81	1.1739+01	1.9444+00	6.1609-03	1.9444+00	6.1609-03	4.2519-03	9.7187-02	1.2561+05	1.5654-03	1.7720+00
46	487.05	2.7029+00	4.5646-01	1.4488-03	4.5646-01	1.4488-03	9.9989-04	2.2855-02	2.9540+04	3.6815-04	2.2400+00
47	474.96	1.1553+00	1.9644-01	6.1779-04	1.9644-01	6.1779-04	4.2636-04	9.7455-03	1.2596+04	1.5690-04	3.0250+00
48	489.09	2.2391+01	3.5617+00	1.1322-02	3.5617+00	1.1322-02	7.8141-03	1.7861-01	2.3085+05	2.8774-03	8.7000-01
49	535.61	4.3335+01	7.3006+00	2.4066-02	7.3006+00	2.4066-02	1.6609-02	3.7964-01	4.9068+05	6.1282-03	1.2590+00
50	514.95	3.0943+01	5.2412+00	1.6998-02	5.2412+00	1.6998-02	1.1731-02	2.6814-01	3.4657+05	4.3245-03	1.6500+00
51	487.60	1.4655+01	2.4390+00	7.7447-03	2.4390+00	7.7447-03	5.3450-03	1.2217-01	1.5791+05	1.9680-03	1.7720+00
52	477.92	1.6265+00	2.7466-01	8.6574-04	2.7466-01	8.6574-04	5.9748-04	1.3657-02	1.7652+04	2.1991-04	1.9200+00
53	486.21	1.7449+00	2.9453-01	9.3422-04	2.9453-01	9.3422-04	6.4475-04	1.4737-02	1.9048+04	2.3739-04	2.2400+00
54	478.68	1.3948+00	2.3426-01	7.3882-04	2.3426-01	7.3882-04	5.0990-04	1.1655-02	1.5064+04	1.8768-04	2.6360+00
55	475.75	2.0052+00	3.3613-01	1.0577-03	3.3613-01	1.0577-03	7.2999-04	1.6686-02	2.1566+04	2.6865-04	3.0250+00
56	471.92	1.2629+00	2.1304-01	6.6845-04	2.1304-01	6.6845-04	4.6133-04	1.0545-02	1.3629+04	1.6975-04	3.4150+00
57	525.44	3.8898+01	5.9127+00	1.9335-02	5.9127+00	1.9335-02	1.3344-02	3.0500-01	3.9421+05	4.9212-03	1.1570-01
58	484.48	1.8273+01	2.9163+00	9.2380-03	2.9163+00	9.2380-03	6.3756-03	1.4573-01	1.8836+05	2.3472-03	2.5000-01
59	468.86	1.1775+01	1.8715+00	5.8589-03	1.8715+00	5.8589-03	4.0435-03	9.2423-02	1.1946+05	1.4876-03	4.8300-01
60	485.89	2.0094+01	3.2299+00	1.0243-02	3.2299+00	1.0243-02	7.0690-03	1.6158-01	2.0884+05	2.6026-03	8.7000-01
61	471.92	2.7003+00	4.3274-01	1.3578-03	4.3274-01	1.3578-03	9.3709-04	2.1419-02	2.7685+04	3.4481-04	1.2590+00
62	477.53	1.5650+01	2.5253+00	7.9573-03	2.5253+00	7.9573-03	5.4917-03	1.2552-01	1.6224+05	2.0212-03	1.6500+00
63	471.31	9.9091+00	1.6562+00	5.1942-03	1.6562+00	5.1942-03	3.5848-03	8.1938-02	1.0591+05	1.3190-03	1.7720+00
64	475.21	5.1429-01	8.7714-02	2.7591-04	8.7714-02	2.7591-04	1.9042-04	4.3524-03	5.6255+03	7.0075-05	2.2400+00
65	470.38	5.2675-01	8.9813-02	2.8148-04	8.9813-02	2.8148-04	1.9426-04	4.4403-03	5.7392+03	7.1476-05	3.0250+00
66	517.25	3.5408+01	5.3549+00	1.7398-02	5.3549+00	1.7398-02	1.2007-02	2.7445-01	3.5473+05	4.4267-03	1.1570-01
67	477.81	1.5655+01	2.4173+00	7.6187-03	2.4173+00	7.6187-03	5.2580-03	1.2018-01	1.5534+05	1.9352-03	2.5000-01
68	460.24	9.1262+00	1.4422+00	4.4856-03	1.4422+00	4.4856-03	3.0957-03	7.0759-02	9.1457+04	1.1385-03	4.8300-01
69	448.93	5.0732+00	7.9554-01	2.4536-03	7.9554-01	2.4536-03	1.6934-03	3.8706-02	5.0028+04	6.2249-04	8.7000-01
70	441.50	4.2130+00	6.6955-01	2.0538-03	6.6955-01	2.0538-03	1.4174-03	3.2398-02	4.1874+04	5.2088-04	1.2590+00
71	439.33	3.7029+00	5.9478-01	1.8215-03	5.9478-01	1.8215-03	1.2571-03	2.8734-02	3.7139+04	4.6193-04	1.6500+00
72	440.86	2.9449+00	4.8356-01	1.4825-03	4.8356-01	1.4825-03	1.0232-03	2.3387-02	3.0228+04	3.7600-04	1.7720+00
73	442.44	9.7558-01	1.6131-01	4.9515-04	1.6131-01	4.9515-04	3.4173-04	7.8109-03	1.0096+04	1.2559-04	1.9200+00
74	456.77	5.5584-01	9.3362-02	2.8963-04	9.3362-02	2.8963-04	1.9989-04	4.5689-03	5.9054+03	7.3505-05	2.2400+00
75	469.04	2.2182-01	3.7567-02	1.1762-04	3.7567-02	1.1762-04	8.1174-05	1.8554-03	2.3982+03	2.9865-05	3.0250+00
76	468.98	2.3065-01	3.9175-02	1.2265-04	3.9175-02	1.2265-04	8.4646-05	1.9348-03	2.5007+03	3.1143-05	3.4150+00
77	466.68	3.5969+00	5.9753-01	1.8675-03	5.9753-01	1.8675-03	1.2889-03	2.9460-02	3.8077+04	4.7414-04	2.6360+00
78	461.28	3.5719+00	5.9828-01	1.8623-03	5.9828-01	1.8623-03	1.2853-03	2.9377-02	3.7970+04	4.7271-04	3.0250+00
79	464.40	3.6275+00	6.1066-01	1.9053-03	6.1066-01	1.9053-03	1.3149-03	3.0055-02	3.8847+04	4.8368-04	3.4150+00
80	478.86	3.9158+00	6.6752-01	2.1055-03	6.6752-01	2.1055-03	1.4531-03	3.3214-02	4.2930+04	5.3485-04	2.2400+00
81	468.44	3.8551+00	6.4118-01	2.0066-03	6.4118-01	2.0066-03	1.3848-03	3.1654-02	4.0912+04	5.0949-04	2.6360+00
82	465.14	3.9803+00	6.6250-01	2.0682-03	6.6250-01	2.0682-03	1.4273-03	3.2625-02	4.2168+04	5.2505-04	3.0250+00
83	469.11	3.8930+00	6.5549-01	2.0524-03	6.5549-01	2.0524-03	1.4164-03	3.2376-02	4.1846+04	5.2113-04	3.4150+00
401	682.60	9.1123+01	8.6414+00	3.2275-02	8.6414+00	3.2275-02	2.2275-02	5.0914-01	6.5807+05	8.2747-03	4.4500-01
403	604.13	5.7779+01	5.2535+00	1.8318-02	5.2535+00	1.8318-02	1.2642-02	2.8897-01	3.7350+05	4.6790-03	6.8600-01
404	595.56	5.3738+01	4.8625+00	1.6833-02	4.8625+00	1.6833-02	1.1617-02	2.6554-01	3.4321+05	4.2979-03	8.0100-01
405	545.75	3.9930+01	3.5089+00	1.1661-02	3.5089+00	1.1661-02	8.0477-03	1.8395-01	2.3776+05	2.9707-03	1.0510+00
406	591.71	-3.1169-03	-2.8141-04	-9.7106-07	-2.8141-04	-9.7106-07	-6.7017-07	-1.5318-05	-1.9799+01	-2.4789-07	1.1670+00
407	534.05	3.2550+01	2.8905+00	9.5165-03	2.8905+00	9.5165-03	6.5677-03	1.5012-01	1.9403+05	2.4231-03	1.2830+00
408	621.93	7.8351+01	7.1949+00	2.5471-02	7.1949+00	2.5471-02	1.7579-02	4.0180-01	5.1933+05	6.5113-03	5.1300-01
409	514.15	3.2005+01	2.7907+00	9.0451-03	2.7907+00	9.0451-03	6.2425-03	1.4269-01	1.8442+05	2.3011-03	5.7000-01
410	584.27	5.7633+01	5.2426+00	1.7979-02	5.2426+00	1.7979-02	1.2408-02	2.8361-01	3.6657+05	4.5880-03	6.2800-01
411	509.64	2.7736+01	2.4116+00	7.7888-03	2.4116+00	7.7888-03	5.3754-03	1.2287-01	1.5881+05	1.9811-03	6.8600-01
412	598.88	5.8904+01	5.4032+00	1.8757-02	5.4032+00	1.8757-02	1.2945-02	2.9589-01	3.8244+05	4.7699-03	7.4400-01
413	503.20	2.5321+01	2.1926+00	7.0462-03	2.1926+00	7.0462-03	4.8629-03	1.1115-01	1.4367+05	1.7917-03	8.0100-01
414	600.32	5.5956+01	5.0768+00	1.7645-02	5.0768+00	1.7645-02	1.2178-02	2.7835-01	3.5978+05	4.5063-03	8.5900-01
415	489.56	1.8010+01	1.5369+00	4.8873-03	1.5369+00	4.8873-03	3.3729-03	7.7096-02	9.9648+04	1.2420-03	9.1700-01
416	601.88	6.7541+01	6.0607+00	2.1093-02	6.0607+00	2.1093-02	1.4557-02	3.3274-01	4.3007+05	5.3871-03	5.7000-01
417	580.61	5.0717+01	4.6038+00	1.5740-02	4.6038+00	1.5740-02	1.0863-02	2.4830-01	3.2093+05	4.0161-03	1.0520+00

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156 4 11.90 -.10 .00 -.00 404 2 1.85 10.13 752.0 1787.8

8.67136+01 1.57172-02 1.12903+00 4.62229+03 1.52072-05 7.02380-08 8.39588-02 7.72000+00 7.28780-06 7.44035-02

1	549.13	1.5102+02	2.5809+01	8.1266-02	2.5809+01	8.1266-02	3.5933-02	1.0320+00	1.5981+06	2.0836-02	.0000+00
2	501.81	7.5999+01	1.1305+01	3.4360-02	1.1305+01	3.4360-02	1.5193-02	4.3633-01	6.7571+05	8.7906-03	1.1570-01
3	476.75	4.2103+01	6.6853+00	1.9954-02	6.6853+00	1.9954-02	8.8231-03	2.5339-01	3.9240+05	5.0992-03	2.5000-01
4	467.88	3.4426+01	5.4682+00	1.6218-02	5.4682+00	1.6218-02	7.1711-03	2.0595-01	3.1893+05	4.1428-03	4.8300-01
5	460.32	2.6779+01	4.2188+00	1.2445-02	4.2188+00	1.2445-02	5.5029-03	1.5804-01	2.4474+05	3.1780-03	8.7000-01
6	457.42	2.2856+01	3.6610+00	1.0778-02	3.6610+00	1.0778-02	4.7656-03	1.3686-01	2.1195+05	2.7519-03	1.2590+00
7	458.46	2.0697+01	3.3074+00	9.7438-03	3.3074+00	9.7438-03	4.3084-03	1.2373-01	1.9162+05	2.4880-03	1.6500+00
8	458.09	1.4712+01	2.4372+00	7.1783-03	2.4372+00	7.1783-03	3.1740-03	9.1154-02	1.4116+05	1.8329-03	1.7720+00
9	456.91	2.1605+00	3.6293-01	1.0680-03	3.6293-01	1.0680-03	4.7226-04	1.3563-02	2.1003+04	2.7270-04	1.9200+00
10	468.99	1.3938+00	2.3811-01	7.0677-04	2.3811-01	7.0677-04	3.1251-04	8.9750-03	1.3899+04	1.8055-04	2.2400+00
11	469.22	1.3055+00	2.2500-01	6.6795-04	2.2500-01	6.6795-04	2.9535-04	8.4820-03	1.3136+04	1.7064-04	2.6360+00
12	470.30	1.2088+00	2.0785-01	6.1740-04	2.0785-01	6.1740-04	2.7300-04	7.8401-03	1.2141+04	1.5773-04	3.0250+00
13	473.46	1.1917+00	2.0538-01	6.1156-04	2.0538-01	6.1156-04	2.7041-04	7.7660-03	1.2027+04	1.5626-04	3.4150+00
14	511.36	7.7601+01	1.1653+01	3.5668-02	1.1653+01	3.5668-02	1.5771-02	4.5293-01	7.0142+05	9.1290-03	1.1570-01
15	476.14	4.0904+01	6.5330+00	1.9491-02	6.5330+00	1.9491-02	8.6182-03	2.4750-01	3.8329+05	4.9807-03	2.5000-01
16	467.02	3.2602+01	5.1270+00	1.5197-02	5.1270+00	1.5197-02	6.7196-03	1.9298-01	2.9885+05	3.8818-03	4.8300-01
17	459.43	2.2515+01	3.5560+00	1.0484-02	3.5560+00	1.0484-02	4.6355-03	1.3313-01	2.0616+05	2.6770-03	8.7000-01
18	458.26	2.2928+01	3.6521+00	1.0758-02	3.6521+00	1.0758-02	4.7568-03	1.3661-01	2.1156+05	2.7469-03	1.2590+00
19	459.42	2.0515+01	3.3067+00	9.7307-03	3.3007+00	9.7307-03	4.3026-03	1.2357-01	1.9136+05	2.4848-03	1.6500+00
20	456.42	1.1088+01	1.8457+00	5.4297-03	1.8457+00	5.4297-03	2.4008-03	6.8949-02	1.0678+05	1.3863-03	1.7720+00
21	462.92	2.3454+01	3.6667+00	1.0837-02	3.6667+00	1.0837-02	4.7917-03	1.3761-01	2.1311+05	2.7676-03	4.8300-01
22	460.86	2.2750+01	3.6302+00	1.0713-02	3.6302+00	1.0713-02	4.7370-03	1.3604-01	2.1068+05	2.7356-03	8.7000-01
23	456.96	1.7493+01	2.7926+00	8.2186-03	2.7926+00	8.2186-03	3.6340-03	1.0436-01	1.6162+05	2.0984-03	1.2590+00
24	460.32	1.7165+01	2.7862+00	8.2016-03	2.7802+00	8.2016-03	3.6265-03	1.0415-01	1.6129+05	2.0944-03	1.6500+00
25	458.87	1.2692+01	2.0787+00	6.1257-03	2.0787+00	6.1257-03	2.7086-03	7.7788-02	1.2046+05	1.5642-03	1.7720+00
26	462.57	1.9595+00	3.3042-01	9.7628-04	3.3042-01	9.7628-04	4.3168-04	1.2397-02	1.9199+04	2.4933-04	1.9200+00
27	472.01	1.5413+00	2.6155-01	7.7803-04	2.6155-01	7.7803-04	3.4402-04	9.8798-03	1.5300+04	1.9878-04	3.0250+00
28	476.82	1.7797+00	3.0298-01	9.0437-04	3.0298-01	9.0437-04	3.9988-04	1.1484-02	1.7785+04	2.3111-04	3.4150+00
29	485.83	7.2524+01	1.1621+01	3.4913-02	1.1621+01	3.4913-02	1.5438-02	4.4335-01	6.8658+05	8.9256-03	8.7000-01
30	472.45	4.8773+01	7.8432+00	2.3338-02	7.8432+00	2.3338-02	1.0319-02	2.9636-01	4.5895+05	5.9629-03	1.2590+00
31	473.77	4.3250+01	7.0256+00	2.0925-02	7.0256+00	2.0925-02	9.2525-03	2.6572-01	4.1150+05	5.3467-03	1.6500+00
32	463.53	2.1128+01	3.4713+00	1.0264-02	3.4713+00	1.0264-02	4.5362-03	1.3033-01	2.0184+05	2.6213-03	1.7720+00
33	472.71	1.4639+00	2.4417-01	7.2669-04	2.4417-01	7.2669-04	3.2132-04	9.2279-03	1.4291+04	1.8567-04	2.2400+00
34	476.43	1.2275+00	2.0566-01	6.1432-04	2.0586-01	6.1432-04	2.7163-04	7.8009-03	1.2081+04	1.5698-04	3.0250+00
35	477.61	4.7021+01	6.9318+00	2.0702-02	6.9318+00	2.0702-02	9.1540-03	2.6289-01	4.0712+05	5.2907-03	1.1570-01
36	480.48	4.1241+01	6.4204+00	1.9215-02	6.4204+00	1.9215-02	8.4963-03	2.4400-01	3.7787+05	4.9112-03	1.2500+00
37	459.92	4.1694+00	6.9360-01	2.0455-03	6.9360-01	2.0455-03	9.0447-04	2.5975-02	4.0226+04	5.2234-04	1.9200+00
38	472.69	3.6556+00	6.1860-01	1.8416-03	6.1880-01	1.8416-03	8.1430-04	2.3386-02	3.6216+04	4.7053-04	2.2400+00
39	475.58	2.3091+00	3.9737-01	1.1850-03	3.9737-01	1.1850-03	5.2399-04	1.5048-02	2.3304+04	3.0282-04	3.0250+00
40	476.27	2.2005+00	3.7557-01	1.1206-03	3.7557-01	1.1206-03	4.9550-04	1.4230-02	2.2037+04	2.8636-04	3.4150+00
41	497.09	8.0605+01	1.3051+01	3.9533-02	1.3051+01	3.9533-02	1.7480-02	5.0201-01	7.7742+05	1.0112-02	8.7000-01
42	478.83	5.3108+01	8.6560+00	2.5875-02	8.6560+00	2.5875-02	1.1441-02	3.2857-01	5.0884+05	6.6129-03	1.2590+00
43	473.42	4.2512+01	6.9252+00	2.0621-02	6.9252+00	2.0621-02	9.1180-03	2.6186-01	4.0552+05	5.2689-03	1.6500+00
44	467.38	2.4212+01	3.9642+00	1.1753-02	3.9642+00	1.1753-02	5.1970-03	1.4925-01	2.3113+05	3.0023-03	1.7720+00
45	478.79	1.0956+00	1.8402-01	5.5007-04	1.8402-01	5.5007-04	2.4323-04	6.9851-03	1.0817+04	1.4058-04	2.2400+00
46	479.02	9.1117-01	1.5534-01	4.6442-04	1.5534-01	4.6442-04	2.0535-04	5.8974-03	9.1329+03	1.1869-04	3.0250+00
47	463.67	2.3319+01	3.6475+00	1.0786-02	3.6475+00	1.0786-02	4.7692-03	1.3696-01	2.1211+05	2.7547-03	8.7000-01
48	454.86	1.6938+01	2.7083+00	7.9587-03	2.7083+00	7.9587-03	3.5191-03	1.0106-01	1.5651+05	2.0319-03	1.2590+00
49	458.94	1.7135+01	2.7980+00	8.2459-03	2.7980+00	8.2459-03	3.6461-03	1.0471-01	1.6216+05	2.1056-03	1.6500+00
50	460.77	1.2349+01	2.0189+00	5.9577-03	2.0189+00	5.9577-03	2.6343-03	7.5655-02	1.1716+05	1.5214-03	1.7720+00
51	464.58	2.1995+00	3.6813-01	1.0893-03	3.6813-01	1.0893-03	4.8164-04	1.3832-02	2.1421+04	2.7821-04	1.9200+00
52	479.10	1.9886+00	3.3408-01	9.9885-04	3.3408-01	9.9885-04	4.4166-04	1.2684-02	1.9643+04	2.5528-04	2.2400+00
53	478.73	1.9262+00	3.2353-01	9.6705-04	3.2353-01	9.6705-04	4.2760-04	1.2280-02	1.9017+04	2.4715-04	2.6360+00
54	477.63	2.3590+00	3.9593-01	1.1825-03	3.9593-01	1.1825-03	5.2286-04	1.5016-02	2.3254+04	3.0220-04	3.0250+00
55	475.76	2.5662+00	4.3401-01	1.2945-03	4.3401-01	1.2945-03	5.7239-04	1.6438-02	2.5457+04	3.3079-04	3.4150+00
56	502.28	6.9635+01	1.0432+01	3.1718-02	1.0432+01	3.1718-02	1.4025-02	4.0277-01	6.2374+05	8.1147-03	1.1570-01
57	476.63	4.1128+01	6.5299+00	1.9489-02	6.5299+00	1.9489-02	8.6173-03	2.4748-01	3.8325+05	4.9802-03	2.5000-01
58	466.03	3.3011+01	5.2369+00	1.5512-02	5.2369+00	1.5512-02	6.8587-03	1.9697-01	3.0504+05	3.9620-03	4.8300-01
59	458.72	2.4083+01	3.8018+00	1.1202-02	3.8018+00	1.1202-02	4.9534-03	1.4225-01	2.2030+05	2.8605-03	8.7000-01
60	471.65	1.5590+00	2.4979-01	7.4285-04	2.4979-01	7.4285-04	3.2847-04	9.4331-03	1.4608+04	1.8979-04	1.2590+00
61	454.16	2.0464+01	3.2505+00	9.5474-03	3.2505+00	9.5474-03	4.2216-03	1.2124-01	1.8775+05	2.4374-03	1.6500+00
62	453.24	1.3614+01	2.2478+00	6.5980-03	2.2478+00	6.5980-03	2.9174-03	8.3785-02	1.2975+05	1.6843-03	1.7720+00
63	473.51	1.2899+00	2.1974-01	6.5436-04	2.1974-01	6.5436-04	2.8934-04	8.3095-03	1.2868+04	1.6720-04	2.2400+00
64	476.41	1.3210+00	2.2615-01	6.7483-04	2.2615-01	6.7483-04	2.9839-04	8.5693-03	1.3271+04	1.7245-04	3.0250+00
65	502.97	7.1242+01	1.0677+01	3.2480-02	1.0677+01	3.2480-02	1.4362-02	4.1245-01	6.3873+05	8.3100-03	1.1570-01
66	476.70	4.1514+01	6.4055+00	1.9118-02	6.4055+00	1.9118-02	8.4535-03	2.4277-01	3.7597+05	4.8856-03	2.5000-01
67	464.32	3.4287+01	5.4330+00	1.6073-02	5.4330+00	1.6073-02	7.1070-03	2.0410-01	3.1608+05	4.1052-03	4.8300-01
68	456.09	2.7122+01	4.2739+00	1.2570-02	4.2739+00	1.2570-02	5.5581-03	1.5962-01	2.4720+05	3.2093-03	8.7000-01
69	450.19	2.2690+01	3.6276+00	1.0625-02	3.6276+00	1.0625-02	4.6982-03	1.3492-01	2.0895+05	2.7121-03	1.2590+00
70	447.19	2.1291+01	3.4386+00	1.0050-02	3.4386+00	1.0050-02	4.4440-03	1.2763-01	1.9764+05	2.5650-03	1.6500+00
71	446.42	1.4500+01	2.3901+00	6.9819-03	2.3901+00	6.9819-03	3.0872-03	8.8660-02	1.3730+05	1.7818-03	1.7720+00
72	446.07	2.3122+00	3.8328-01	1.1194-03	3.8328-01	1.1194-03	4.9495-04	1.4214-02	2.2013+04	2.8567-04	1.9200+00
73	463.84	1.4031+00	2.3680-01	7.0031-04	2.3680-01	7.0031-04	3.0966-04	8.8930-03	1.3772+04	1.7886-04	2.2400+00
74	478.15	1.3465+00	2.2943-01	6.8548-04	2.2943-01	6.8548-04	3.0310-04	8.7045-03	1.3480+04	1.7518-04	3.0250+00
75	477.67	1.3543+00	2.3135-01	6.9100-04	2.3135-01	6.9100-04	3.0554-04	8.7747-03	1.3589+04	1.7659-04	3.4150+00
76	469.26	1.1564+00	1.9243-01	5.7130-04	1.9243-01	5.7130-04	2.5261-04	7.2547-03	1.1235+04	1.4595-04	2.6360+00
77	466.63	1.1735+00	1.9726-01	5.8454-04	1.9726-01	5.8454-04	2.5847-04	7.4228-03	1.1495+04	1.4931-04	3.0250+00
78	467.54	1.1538+00	1.9464-01	5.7713-04	1.9464-01	5.7713-04	2.5519-04	7.3287-03	1.1349+04	1.4742-04	3.4150+00
79	474.19	1.3777+00	2.3412-01	6.9752-04	2.3412-01	6.9752-04	3.0842-04	8.8574-03	1.3717+04	1.7823-04	2.2400+00
80	470.43	1.2982+00	2.1620-01	6.4240-04	2.1620-01	6.4240-04	2.8405-04	8.1576-03	1.2633+04	1.6412-04	2.6360+00
81	469.28	1.2535+00	2.0922-01	6.2115-04	2.0922-01	6.2115-04	2.7465-04	7.8877-03	1.2215+04	1.5868-04	3.0250+00
82	470.75	1.1184+00	1.8853-01	5.6030-04	1.8853-01	5.6030-04	2.4775-04	7.1150-03	1.1018+04	1.4314-04	3.4150+00
401	513.52	8.6758+01	7.4736+00	2.2912-02	7.4736+00	2.2912-02	1.0131-02	2.9096-01	4.5058+05	5.8650-03	4.4500-01
403	511.11	7.3901+01	6.3563+00	1.9453-02	6.3563+00	1.9453-02	8.6013-03	2.4702-01	3.8254+05	4.9788-03	6.8600-01
404	503.70	6.6206+01	5.1540+00	1.5688-02	5.1540+00	1.5688-02	6.9365-03	1.9921-01	3.0850+05	4.0138-03	8.0100-01
405	494.47	5.9988+01	5.1050+00	1.5434-02	5.1050+00	1.5434-02	6.8243-03	1.9599-01	3.0351+05	3.9472-03	1.0510+00
406	591.72	-2.0777-03	-1.8759-04	-6.1045-07	-1.8759-04	-6.1045-07	-2.6992-07	-7.7519-06	-1.2005+01	-1.5683-07	1.1670+00
407	527.55	1.1363+02	1.0050+01	3.1134-02	1.0050+01	3.1134-02	1.3766-02	3.9536-01	6.1226+05	7.9746-03	1.2830+00
408	495.08	5.6951+01	4.8484+00	1.4665-02	4.8484+00	1.4665-02	6.4843-03	1.8622-01	2.8839+05	3.7506-03	5.1300-01
409	479.34	3.8931+01	3.3193+00	9.9258-03	3.3193+00	9.9258-03	4.3889-03	1.2604-01	1.9519+05	2.5368-03	5.7000-01
410	480.69	3.8063+01	3.2482+00	9.7227-03	3.2482+00	9.7227-03	4.2991-03	1.2346-01	1.9120+05	2.4850-03	6.2800-01
411	479.53	4.1806+01	3.5648+00	1.0662-02	3.5648+00	1.0662-02	4.7142-03	1.3539-01	2.0966+05	2.7249-03	6.8600-01
412	487.76	5.1987+01	4.4570+00	1.3409-02	4.4570+00	1.3409-02	5.9291-03	1.7028-01	2.6370+05	3.4284-03	7.4400-01
413	488.25	5.5354+01	4.7472+00	1.4287-02	4.7472+00	1.4287-02	6.3174-03	1.8143-01	2.8096+05	3.6530-03	8.0100-01
414	488.65	5.0497+01	4.2811+00	1.2888-02	4.2811+00	1.2888-02	5.6988-03	1.6366-01	2.5345+05	3.2953-03	8.5900-01
415	483.80	4.3482+01	3.6965+00	1.1089-02	3.6965+00	1.1089-02	4.9033-03	1.4082-01	2.1807+05	2.8347-03	9.1700-01
416	486.08	4.0197+01	3.3619+00	1.0102-02	3.3619+00	1.0102-02	4.4669-03	1.2828-01	1.9867+05	2.5827-03	5.7000-01
417	502.73	7.6868+01	6.6542+00	2.0239-02	6.6542+00	2.0239-02	8.9491-03	2.5701-01	3.9801+05	5.1781-03	1.0520+00

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156 4 11.88 -.12 .00 -.00 404 2 2.10 10.13 752.0 1788.3

8.67408+01 1.57164-02 1.12898+00 4.62302+03 1.52017-05 7.02601-08 8.39152-02 7.72000+00 7.29038-06 7.44005-02

1	586.33	1.4484+02	2.5302+01	8.1980-02	2.5302+01	8.1980-02	3.6257-02	1.0410+00	1.6116+06	2.1051-02	.0000+00	
2	520.89	7.5888+01	1.1425+01	3.5214-02	1.1425+01	3.5214-02	1.5574-02	4.4717-01	6.9225+05	9.0146-03	1.1570-01	
3	487.35	4.1927+01	6.7038+00	2.0160-02	6.7038+00	2.0160-02	8.9159-03	2.5600-01	3.9631+05	5.1530-03	2.5000-01	
4	476.49	3.4090+01	5.4459+00	1.6250-02	5.4459+00	1.6250-02	7.1865-03	2.0635-01	3.1944+05	4.1515-03	4.8300-01	
5	467.01	2.6616+01	4.2120+00	1.2483-02	4.2120+00	1.2483-02	5.5207-03	1.5851-01	2.4539+05	3.1878-03	8.7000-01	
6	463.05	2.2756+01	3.6590+00	1.0813-02	3.6590+00	1.0813-02	4.7823-03	1.3731-01	2.1257+05	2.7610-03	1.2590+00	
7	463.55	2.0486+01	3.2850+00	9.7114-03	3.2850+00	9.7114-03	4.2950-03	1.2332-01	1.9091+05	2.4797-03	1.6500+00	
8	461.72	1.4472+01	2.4032+00	7.0955-03	2.4032+00	7.0955-03	3.1381-03	9.0103-02	1.3949+05	1.8116-03	1.7720+00	
9	457.44	2.2369+00	3.7589-01	1.1065-03	3.7589-01	1.1065-03	4.8934-04	1.4050-02	2.1751+04	2.8244-04	1.9200+00	
10	469.35	1.4229+00	2.4314-01	7.2177-04	2.4314-01	7.2177-04	3.1921-04	9.1655-03	1.4189+04	1.8434-04	2.2400+00	
11	469.55	1.3932+00	2.4018-01	7.1310-04	2.4018-01	7.1310-04	3.1538-04	9.0553-03	1.4018+04	1.8213-04	2.6360+00	
12	470.30	1.1917+00	2.0495-01	6.0881-04	2.0495-01	6.0881-04	2.6925-04	7.7310-03	1.1968+04	1.5550-04	3.0250+00	
13	473.74	1.1797+00	2.0336-01	6.0558-04	2.0336-01	6.0558-04	2.6783-04	7.6900-03	1.1905+04	1.5470-04	3.4150+00	
14	530.75	7.7069+01	1.1714+01	3.6371-02	1.1714+01	3.6371-02	1.6085-02	4.6185-01	7.1499+05	9.3148-03	1.1570-01	
15	486.37	4.0648+01	6.5359+00	1.9641-02	6.5359+00	1.9641-02	8.6865-03	2.4941-01	3.8611+05	5.0202-03	2.5000-01	
16	475.18	3.2169+01	5.0866+00	1.5163-02	5.0866+00	1.5163-02	6.7061-03	1.9255-01	2.9808+05	3.8737-03	4.8300-01	
17	465.08	2.2629+01	3.5876+00	1.0618-02	3.5876+00	1.0618-02	4.6958-03	1.3483-01	2.0873+05	2.7112-03	8.7000-01	
18	463.95	2.2811+01	3.6475+00	1.0786-02	3.6475+00	1.0786-02	4.7704-03	1.3697-01	2.1204+05	2.7542-03	1.2590+00	
19	464.46	2.0106+01	3.2458+00	9.6019-03	3.2458+00	9.6019-03	4.2465-03	1.2193-01	1.8876+05	2.4518-03	1.6500+00	
20	459.25	1.1321+01	1.8880+00	5.5644-03	1.8880+00	5.5644-03	2.4609-03	7.0660-02	1.0939+05	1.4205-03	1.7720+00	
21	468.82	2.3828+01	3.7399+00	1.1098-02	3.7399+00	1.1098-02	4.9082-03	1.4093-01	2.1817+05	2.8344-03	4.8300-01	
22	466.56	2.2778+01	3.6485+00	1.0809-02	3.6485+00	1.0809-02	4.7806-03	1.3726-01	2.1250+05	2.7604-03	8.7000-01	
23	461.19	1.7096+01	2.7369+00	8.0777-03	2.7369+00	8.0777-03	3.5724-03	1.0257-01	1.5879+05	2.0623-03	1.2590+00	
24	464.57	1.6871+01	2.7405+00	8.1076-03	2.7405+00	8.1076-03	3.5857-03	1.0295-01	1.5938+05	2.0702-03	1.6500+00	
25	461.91	1.2204+01	2.0028+00	5.9141-03	2.0028+00	5.9141-03	2.6156-03	7.5100-02	1.1626+05	1.5100-03	1.7720+00	
26	463.03	1.9948+00	3.3648-01	9.9438-04	3.3648-01	9.9438-04	4.3978-04	1.2627-02	1.9548+04	2.5390-04	1.9200+00	
27	472.40	1.6229+00	2.7546-01	8.1952-04	2.7546-01	8.1952-04	3.6244-04	1.0407-02	1.6110+04	2.0933-04	3.0250+00	
28	477.26	1.8322+00	3.1200-01	9.3146-04	3.1200-01	9.3146-04	4.1195-04	1.1828-02	1.8311+04	2.3798-04	3.4150+00	
29	504.57	7.2962+01	1.1833+01	3.6035-02	1.1833+01	3.6035-02	1.5937-02	4.5760-01	7.0840+05	9.2180-03	8.7000-01	
30	485.06	5.1042+01	8.2768+00	2.4849-02	8.2768+00	2.4849-02	1.0990-02	3.1555-01	4.8849+05	6.3509-03	1.2590+00	
31	484.61	4.3211+01	7.0697+00	2.1218-02	7.0697+00	2.1218-02	9.3840-03	2.6944-01	4.1712+05	5.4228-03	1.6500+00	
32	468.88	2.1482+01	3.5420+00	1.0511-02	3.5420+00	1.0511-02	4.6487-03	1.3348-01	2.0663+05	2.6845-03	1.7720+00	
33	473.07	1.5075+00	2.5151-01	7.4862-04	2.5151-01	7.4862-04	3.3108-04	9.5064-03	1.4717+04	1.9123-04	2.2400+00	
34	476.63	9.8130-01	1.6459-01	4.9116-04	1.6459-01	4.9116-04	2.1722-04	6.2370-03	9.6554+03	1.2548-04	3.0250+00	
35	489.50	4.7810+01	7.1033+00	2.1394-02	7.1033+00	2.1394-02	9.4619-03	2.7168-01	4.2058+05	5.4691-03	1.1570-01	
36	490.78	4.1123+01	6.4453+00	1.9431-02	6.4453+00	1.9431-02	8.5934-03	2.4674-01	3.8198+05	4.9673-03	1.2500+00	
37	460.95	4.1600+00	6.9252-01	2.0436-03	6.9252-01	2.0436-03	9.0378-04	2.5950-02	4.0173+04	5.2173-04	1.9200+00	
38	473.62	3.8223+00	6.4743-01	1.9278-03	6.4743-01	1.9278-03	8.5260-04	2.4480-02	3.7898+04	4.9246-04	2.2400+00	
39	476.16	2.3096+00	3.9761-01	1.1861-03	3.9761-01	1.1861-03	5.2457-04	1.5062-02	2.3317+04	3.0302-04	3.0250+00	
40	476.73	2.0655+00	3.5263-01	1.0523-03	3.5263-01	1.0523-03	4.6541-04	1.3363-02	2.0687+04	2.6886-04	3.4150+00	
41	516.94	7.7269+01	1.2670+01	3.8937-02	1.2670+01	3.8937-02	1.7220-02	4.9444-01	7.6543+05	9.9657-03	8.7000-01	
42	491.96	5.2701+01	8.6637+00	2.6141-02	8.6637+00	2.6141-02	1.1561-02	3.3195-01	5.1389+05	6.6832-03	1.2590+00	
43	484.13	4.2570+01	6.9839+00	2.0953-02	6.9839+00	2.0953-02	9.2668-03	2.6608-01	4.1191+05	5.3550-03	1.6500+00	
44	473.43	2.4380+01	4.0079+00	1.1933-02	4.0079+00	1.1933-02	5.2773-03	1.5153-01	2.3458+05	3.0482-03	1.7720+00	
45	479.05	1.0431+00	1.7524-01	5.2384-04	1.7524-01	5.2384-04	2.3167-04	6.6520-03	1.0298+04	1.3385-04	2.2400+00	
46	479.22	9.4234-01	1.6068-01	4.8036-04	1.6068-01	4.8036-04	2.1245-04	6.0999-03	9.4432+03	1.2274-04	3.0250+00	
47	469.54	2.3504+01	3.6909+00	1.0958-02	3.6909+00	1.0958-02	4.8464-03	1.3915-01	2.1542+05	2.7988-03	8.7000-01	
48	459.11	1.7192+01	2.7569+00	8.1247-03	2.7569+00	8.1247-03	3.5932-03	1.0317-01	1.5972+05	2.0741-03	1.2590+00	
49	463.16	1.6981+01	2.7809+00	8.2188-03	2.7809+00	8.2188-03	3.6349-03	1.0437-01	1.6157+05	2.0985-03	1.6500+00	
50	463.75	1.1997+01	1.9654+00	5.8112-03	1.9654+00	5.8112-03	2.5701-03	7.3793-02	1.1424+05	1.4838-03	1.7720+00	
51	465.10	2.2577+00	3.7800-01	1.1187-03	3.7800-01	1.1187-03	4.9478-04	1.4206-02	2.1993+04	2.8567-04	1.9200+00	
52	479.58	2.0177+00	3.3908-01	1.0140-03	3.3908-01	1.0140-03	4.4845-04	1.2876-02	1.9934+04	2.5909-04	2.2400+00	
53	479.19	1.8753+00	3.1508-01	9.4195-04	3.1508-01	9.4195-04	4.1659-04	1.1961-02	1.8517+04	2.4068-04	2.6360+00	
54	478.20	2.3865+00	4.0070-01	1.1971-03	4.0070-01	1.1971-03	5.2942-04	1.5201-02	2.3533+04	3.0585-04	3.0250+00	
55	476.36	2.5532+00	4.3199-01	1.2888-03	4.3199-01	1.2888-03	5.7001-04	1.6366-02	2.5337+04	3.2927-04	3.4150+00	
56	519.84	7.0276+01	1.0645+01	3.2784-02	1.0645+01	3.2784-02	1.4499-02	4.1631-01	6.4449+05	8.3922-03	1.1570-01	
57	486.93	4.1071+01	6.5652+00	1.9737-02	6.5652+00	1.9737-02	8.7289-03	2.5063-01	3.8800+05	5.0448-03	2.5000-01	
58	474.34	3.2878+01	5.2448+00	1.5625-02	5.2448+00	1.5625-02	6.9105-03	1.9842-01	3.0717+05	3.9916-03	4.8300-01	
59	464.86	2.4651+01	3.9076+00	1.1563-02	3.9076+00	1.1563-02	5.1139-03	1.4683-01	2.2731+05	2.9526-03	8.7000-01	
60	472.06	1.6873+00	2.7042-01	8.0433-04	2.7042-01	8.0433-04	3.5572-04	1.0214-02	1.5812+04	2.0545-04	1.2590+00	
61	459.17	2.0393+01	3.2564+00	9.5794-03	3.2564+00	9.5794-03	4.2366-03	1.2164-01	1.8832+05	2.4455-03	1.6500+00	
62	456.41	1.3031+01	2.1562+00	6.3422-03	2.1562+00	6.3422-03	2.8049-03	8.0537-02	1.2468+05	1.6189-03	1.7720+00	
63	473.81	1.2769+00	2.1757-01	6.4795-04	2.1757-01	6.4795-04	2.8656-04	8.2280-03	1.2738+04	1.6552-04	2.2400+00	
64	476.71	1.2047+00	2.0627-01	6.1555-04	2.0627-01	6.1555-04	2.7224-04	7.8166-03	1.2101+04	1.5726-04	3.0250+00	
65	520.94	7.1816+01	1.0866+01	3.3553-02	1.0886+01	3.3553-02	1.4839-02	4.2608-01	6.5961+05	8.5895-03	1.1570-01	
66	487.10	4.1501+01	6.4475+00	1.9386-02	6.4475+00	1.9386-02	8.5735-03	2.4617-01	3.8109+05	4.9550-03	2.5000-01	
67	473.00	3.4420+01	5.4859+00	1.6328-02	5.4859+00	1.6328-02	7.2212-03	2.0734-01	3.2098+05	4.1708-03	4.8300-01	
68	462.87	2.7199+01	4.3057+00	1.2723-02	4.3057+00	1.2723-02	5.6269-03	1.6156-01	2.5011+05	3.2485-03	8.7000-01	
69	455.77	2.2522+01	3.6146+00	1.0627-02	3.6146+00	1.0627-02	4.7000-03	1.3495-01	2.0891+05	2.7126-03	1.2590+00	
70	452.29	2.0706+01	3.3558+00	9.8420-03	3.3558+00	9.8420-03	4.3527-03	1.2498-01	1.9348+05	2.5118-03	1.6500+00	
71	449.86	1.3848+01	2.2880+00	6.6990-03	2.2880+00	6.6990-03	2.9627-03	8.5068-02	1.3169+05	1.7095-03	1.7720+00	
72	446.61	2.3091+00	3.8291-01	1.1186-03	3.8291-01	1.1186-03	4.9470-04	1.4204-02	2.1989+04	2.8540-04	1.9200+00	
73	464.15	1.3309+00	2.2466-01	6.6447-04	2.2466-01	6.6447-04	2.9387-04	8.4378-03	1.3062+04	1.6967-04	2.2400+00	
74	478.40	1.1423+00	1.9467-01	5.8166-04	1.9467-01	5.8166-04	2.5725-04	7.3863-03	1.1435+04	1.4862-04	3.0250+00	
75	476.71	1.2047+00	2.0627-01	6.1555-04	2.0627-01	6.1555-04	2.7224-04	7.8166-03	1.2101+04	1.5726-04	3.0250+00	
76	477.97	1.2203+00	2.0850-01	6.2278-04	2.0850-01	6.2278-04	2.7543-04	7.9084-03	1.2243+04	1.5912-04	3.4150+00	
77	469.54	1.1777+00	1.9602-01	5.8197-04	1.9602-01	5.8197-04	2.5738-04	7.3901-03	1.1441+04	1.4864-04	2.6360+00	
78	466.92	1.1709+00	1.9687-01	5.8340-04	1.9687-01	5.8340-04	2.5801-04	7.4083-03	1.1469+04	1.4898-04	3.0250+00	
79	467.84	1.1818+00	1.9941-01	5.9132-04	1.9941-01	5.9132-04	2.6152-04	7.5088-03	1.1624+04	1.5101-04	3.4150+00	
80	474.52	1.3849+00	2.3541-01	7.0142-04	2.3541-01	7.0142-04	3.1021-04	8.9071-03	1.3789+04	1.7919-04	2.2400+00	
81	470.76	1.2571+00	2.0941-01	6.2229-04	2.0941-01	6.2229-04	2.7522-04	7.9022-03	1.2233+04	1.5894-04	2.6360+00	
82	469.56	1.1413+00	1.9053-01	5.6569-04	1.9053-01	5.6569-04	2.5018-04	7.1835-03	1.1121+04	1.4448-04	3.0250+00	
83	471.03	1.1231+00	1.8935-01	5.6278-04	1.8935-01	5.6278-04	2.4889-04	7.1464-03	1.1063+04	1.4374-04	3.4150+00	
401	536.15	9.0187+01	7.8791+00	2.4563-02	7.8791+00	2.4563-02	1.0863-02	3.1192-01	4.8287+05	6.2924-03	4.4500-01	
403	529.23	7.0573+01	6.1394+00	1.9040-02	6.1394+00	1.9040-02	8.4208-03	2.4179-01	3.7430+05	4.8761-03	6.8600-01	
404	518.16	5.7146+01	4.9371+00	1.5186-02	4.9371+00	1.5186-02	6.7163-03	1.9284-01	2.9854+05	3.8871-03	8.0100-01	
405	509.32	5.8418+01	5.0189+00	1.5337-02	5.0189+00	1.5337-02	6.7830-03	1.9476-01	3.0150+05	3.9241-03	1.0510+00	
406	591.71	-2.5969-03	-2.3447-04	-7.6290-07	-2.3447-04	-7.6290-07	-3.3740-07	-9.6877-06	-1.4997+01	-1.9595-07	1.1670+00	
407	554.63	1.0692+02	9.6046+00	3.0365-02	9.6046+00	3.0365-02	1.3429-02	3.8559-01	5.9693+05	7.7854-03	1.2830+00	
408	509.54	5.9023+01	5.0716+00	1.5501-02	5.0716+00	1.5501-02	6.8553-03	1.9684-01	3.0472+05	3.9660-03	5.1300-01	
409	489.61	4.2820+01	3.6755+00	1.1071-02	3.6755+00	1.1071-02	4.8964-03	1.4059-01	2.1764+05	2.8302-03	5.7000-01	
410	491.08	4.2814+01	3.6765+00	1.1092-02	3.6765+00	1.1092-02	4.9056-03	1.4085-01	2.1805+05	2.8357-03	6.2800-01	
411	491.10	4.7363+01	4.0694+00	1.2271-02	4.0694+00	1.2271-02	5.4270-03	1.5582-01	2.4123+05	3.1371-03	6.8600-01	
412	501.59	5.6063+01	4.8496+00	1.4736-02	4.8496+00	1.4736-02	6.5171-03	1.8713-01	2.8969+05	3.7690-03	7.4400-01	
413	502.63	5.7358+01	4.9649+00	1.5096-02	4.9649+00	1.5098-02	6.6772-03	1.9172-01	2.9680+05	3.8617-03	8.0100-01	
414	501.75	5.2568+01	4.4946+00	1.3659-02	4.4946+00	1.3659-02	6.0407-03	1.7345-01	2.6851+05	3.4935-03	8.5900-01	
415	494.95	4.4832+01	3.8390+00	1.1609-02	3.8390+00	1.1609-02	5.1341-03	1.4741-01	2.2821+05	2.9683-03	9.1700-01	
416	496.45	4.2875+01	3.6101+00	1.0929-02	3.6101+00	1.0929-02	4.8333-03	1.3878-01	2.1484+05	2.7945-03	5.7000-01	
417	522.31	7.7239+01	6.7696+00	2.0887-02	6.7696+00	2.0887-02	9.2374-03	2.6523-01	4.1060+05	5.3472-03	1.0520+00	

156 4 11.88 -.12 .00 -.00 404 2 2.35 10.13 752.0 1788.3

8.67408+01 1.57164-02 1.12898+00 4.62302+03 1.52017-05 7.02601-08 8.39152-02 7.72000+00 7.29038-06 7.44005-02

1	621.69	1.3784+02	2.4563+01	8.1883-02	2.4563+01	8.1883-02	3.6214-02	1.0398+00	1.6097+06	2.1055-02	.0000+00	
2	539.80	7.5354+01	1.1478+01	3.5892-02	1.1478+01	3.5892-02	1.5874-02	4.5578-01	7.0558+05	9.1934-03	1.1570-01	
3	497.74	4.1602+01	6.6967+00	2.0297-02	6.6967+00	2.0297-02	8.9767-03	2.5774-01	3.9901+05	5.1890-03	2.5000-01	
4	484.94	3.3644+01	5.4046+00	1.6229-02	5.4046+00	1.6229-02	7.1776-03	2.0609-01	3.1904+05	4.1467-03	4.8300-01	
5	473.60	2.6323+01	4.1840+00	1.2462-02	4.1840+00	1.2462-02	5.5114-03	1.5825-01	2.4498+05	3.1825-03	8.7000-01	
6	468.75	2.2786+01	3.6778+00	1.0916-02	3.6778+00	1.0916-02	4.8278-03	1.3862-01	2.1460+05	2.7872-03	1.2590+00	
7	468.66	2.0383+01	3.2796+00	9.7338-03	3.2796+00	9.7338-03	4.3049-03	1.2361-01	1.9135+05	2.4852-03	1.6500+00	
8	465.30	1.4343+01	2.3877+00	7.0696-03	2.3877+00	7.0696-03	3.1266-03	8.9773-02	1.3898+05	1.8047-03	1.7720+00	
9	458.02	2.3465+00	3.9446-01	1.1619-03	3.9446-01	1.1619-03	5.1388-04	1.4755-02	2.2842+04	2.9653-04	1.9200+00	
10	469.70	1.4114+00	2.4124-01	7.1653-04	2.4124-01	7.1653-04	3.1689-04	9.0989-03	1.4086+04	1.8295-04	2.2400+00	
11	469.85	1.2982+00	2.2384-01	6.6491-04	2.2384-01	6.6491-04	2.9406-04	8.4434-03	1.3071+04	1.6977-04	2.6360+00	
12	470.57	1.1803+00	2.0302-01	6.0337-04	2.0302-01	6.0337-04	2.6685-04	7.6620-03	1.1861+04	1.5407-04	3.0250+00	
13	474.03	1.1626+00	2.0044-01	5.9719-04	2.0044-01	5.9719-04	2.6411-04	7.5834-03	1.1740+04	1.5251-04	3.4150+00	
14	549.96	7.6445+01	1.1756+01	3.7046-02	1.1756+01	3.7046-02	1.6384-02	4.7043-01	7.2827+05	9.4935-03	1.1570-01	
15	496.49	4.0355+01	6.5316+00	1.9779-02	6.5316+00	1.9779-02	8.7473-03	2.5116-01	3.8882+05	5.0561-03	2.5000-01	
16	483.15	3.1663+01	5.0330+00	1.5094-02	5.0330+00	1.5094-02	6.6754-03	1.9167-01	2.9672+05	3.8562-03	4.8300-01	
17	470.72	2.2637+01	3.6024+00	1.0708-02	3.6024+00	1.0708-02	4.7355-03	1.3597-01	2.1049+05	2.7341-03	8.7000-01	
18	469.63	2.2586+01	3.6253+00	1.0767-02	3.6253+00	1.0767-02	4.7620-03	1.3673-01	2.1167+05	2.7492-03	1.2590+00	
19	469.44	1.9971+01	3.2349+00	9.6064-03	3.2349+00	9.6064-03	4.2485-03	1.2199-01	1.8885+05	2.4528-03	1.6500+00	
20	462.11	1.1405+01	1.9057+00	5.6299-03	1.9057+00	5.6299-03	2.4899-03	7.1491-02	1.1067+05	1.4370-03	1.7720+00	
21	474.79	2.4316+01	3.8317+00	1.1422-02	3.8317+00	1.1422-02	5.0517-03	1.4505-01	2.2455+05	2.9172-03	4.8300-01	
22	472.24	2.2691+01	3.6485+00	1.0856-02	3.6485+00	1.0856-02	4.8014-03	1.3786-01	2.1342+05	2.7723-03	8.7000-01	
23	465.43	1.6919+01	2.7165+00	8.0438-03	2.7165+00	8.0438-03	3.5575-03	1.0215-01	1.5813+05	2.0535-03	1.2590+00	
24	468.74	1.6625+01	2.7081+00	8.0381-03	2.7081+00	8.0381-03	3.5549-03	1.0207-01	1.5802+05	2.0523-03	1.6500+00	
25	464.90	1.1976+01	1.9694+00	5.8296-03	1.9694+00	5.8296-03	2.5782-03	7.4027-02	1.1460+05	1.4882-03	1.7720+00	
26	463.55	2.0016+00	3.3774-01	9.9875-04	3.3774-01	9.9875-04	4.4171-04	1.2683-02	1.9634+04	2.5494-04	1.9200+00	
27	472.82	1.6618+00	2.8216-01	8.3993-04	2.8216-01	8.3993-04	3.7147-04	1.0666-02	1.6512+04	2.1449-04	3.0250+00	
28	477.74	1.8691+00	3.1838-01	9.5112-04	3.1838-01	9.5112-04	4.2064-04	1.2078-02	1.8698+04	2.4294-04	3.4150+00	
29	522.70	7.0757+01	1.1608+01	3.5836-02	1.1608+01	3.5836-02	1.5849-02	4.5507-01	7.0448+05	9.1719-03	8.7000-01	
30	498.18	5.2414+01	8.5718+00	2.5989-02	8.5718+00	2.5989-02	1.1494-02	3.3002-01	5.1090+05	6.6442-03	1.2590+00	
31	495.44	4.2992+01	7.0836+00	2.1434-02	7.0836+00	2.1434-02	9.4793-03	2.7218-01	4.2135+05	5.4790-03	1.6500+00	
32	474.29	2.1577+01	3.5705+00	1.0640-02	3.5705+00	1.0640-02	4.7056-03	1.3511-01	2.0916+05	2.7172-03	1.7720+00	
33	473.47	1.6094+00	2.6857-01	7.9985-04	2.6857-01	7.9985-04	3.5374-04	1.0157-02	1.5724+04	2.0426-04	2.2400+00	
34	476.86	9.9377-01	1.6671-01	4.9770-04	1.6671-01	4.9770-04	2.2011-04	6.3200-03	9.7839+03	1.2712-04	3.0250+00	
35	501.54	4.8416+01	7.2493+00	2.2033-02	7.2493+00	2.2033-02	9.7444-03	2.7979-01	4.3314+05	5.6337-03	1.1570-01	
37	501.04	4.0934+01	6.4583+00	1.9622-02	6.4583+00	1.9622-02	8.6780-03	2.4917-01	3.8574+05	5.0171-03	1.2500+00	
38	461.99	4.3117+00	7.1828-01	2.1217-03	7.1828-01	2.1217-03	9.3836-04	2.6943-02	4.1710+04	5.4156-04	1.9200+00	
39	474.59	3.9979+00	6.7761-01	2.0197-03	6.7761-01	2.0197-03	8.9322-04	2.5647-02	3.9703+04	5.1580-04	2.2400+00	
40	476.72	2.3496+00	4.0465-01	1.2079-03	4.0465-01	1.2079-03	5.3422-04	1.5339-02	2.3746+04	3.0852-04	3.0250+00	
41	477.26	2.1101+00	3.6038-01	1.0762-03	3.6038-01	1.0762-03	4.7596-04	1.3666-02	2.1156+04	2.7488-04	3.4150+00	
42	535.77	7.3675+01	1.2223+01	3.6105-02	1.2223+01	3.8105-02	1.6852-02	4.8388-01	7.4909+05	9.7584-03	8.7000-01	
43	505.10	5.2824+01	8.7578+00	2.6688-02	8.7578+00	2.6688-02	1.1803-02	3.3889-01	5.2464+05	6.8249-03	1.2590+00	
44	494.74	4.2310+01	6.9894+00	2.1138-02	6.9894+00	2.1138-02	9.3485-03	2.6842-01	4.1554+05	5.4032-03	1.6500+00	
45	479.58	2.4578+01	4.0570+00	1.2135-02	4.0570+00	1.2135-02	5.3671-03	1.5410-01	2.3856+05	3.0999-03	1.7720+00	
46	479.31	1.1003+00	1.8487-01	5.5290-04	1.8487-01	5.5290-04	2.4453-04	7.0210-03	1.0869+04	1.4123-04	2.2400+00	
47	479.44	1.0504+00	1.7913-01	5.3576-04	1.7913-01	5.3576-04	2.3695-04	6.8034-03	1.0532+04	1.3686-04	3.0250+00	
48	475.35	2.3428+01	3.6932+00	1.1014-02	3.6932+00	1.1014-02	4.8710-03	1.3986-01	2.1652+05	2.8129-03	8.7000-01	
49	463.49	1.7414+01	2.8008+00	8.2822-03	2.8008+00	8.2822-03	3.6629-03	1.0517-01	1.6281+05	2.1161-03	1.2590+00	
50	467.38	1.6857+01	2.7683+00	8.2087-03	2.7683+00	8.2087-03	3.6304-03	1.0424-01	1.6137+05	2.0957-03	1.6500+00	
51	466.72	1.1845+01	1.9443+00	5.7627-03	1.9443+00	5.7627-03	2.5486-03	7.3178-02	1.1329+05	1.4712-03	1.7720+00	
52	465.66	2.2332+00	3.7406-01	1.1078-03	3.7406-01	1.1078-03	4.8994-04	1.4068-02	2.1778+04	2.8281-04	1.9200+00	
53	480.10	2.0779+00	3.4933-01	1.0453-03	3.4933-01	1.0453-03	4.6231-04	1.3274-02	2.0549+04	2.6703-04	2.2400+00	
54	479.66	1.9423+00	3.2644-01	9.7653-04	3.2644-01	9.7653-04	4.3188-04	1.2400-02	1.9197+04	2.4945-04	2.6360+00	
55	478.80	2.4374+00	4.0941-01	1.2240-03	4.0941-01	1.2240-03	5.4131-04	1.5543-02	2.4061+04	3.1264-04	3.0250+00	
56	477.00	2.5922+00	4.3876-01	1.3100-03	4.3876-01	1.3100-03	5.7938-04	1.6636-02	2.5753+04	3.3460-04	3.4150+00	
57	537.46	7.0457+01	1.0790+01	3.3680-02	1.0790+01	3.3680-02	1.4895-02	4.2769-01	6.6210+05	8.6259-03	1.1570-01	
58	497.19	4.0939+01	6.5877+00	1.9959-02	6.5877+00	1.9959-02	8.8270-03	2.5345-01	3.9236+05	5.1024-03	2.5000-01	
59	482.50	3.2443+01	5.2034+00	1.5598-02	5.2034+00	1.5598-02	6.8982-03	1.9807-01	3.0662+05	3.9848-03	4.8300-01	
60	471.06	2.4822+01	3.9511+00	1.1747-02	3.9511+00	1.1747-02	5.1952-03	1.4917-01	2.3093+05	2.9995-03	8.7000-01	
61	472.49	1.6826+00	2.6975-01	8.0281-04	2.6975-01	8.0281-04	3.5505-04	1.0195-02	1.5782+04	2.0501-04	1.2590+00	
62	464.35	2.0483+01	3.2760+00	9.6933-03	3.2760+00	9.6933-03	4.2870-03	1.2309-01	1.9056+05	2.4744-03	1.6500+00	
63	459.73	1.3288+01	2.2038+00	6.4992-03	2.2038+00	6.4992-03	2.8744-03	8.2531-02	1.2776+05	1.6587-03	1.7720+00	
64	474.14	1.2862+00	2.1922-01	6.5318-04	2.1922-01	6.5318-04	2.8888-04	8.2944-03	1.2840+04	1.6681-04	2.2400+00	
65	477.00	1.1335+00	1.9412-01	5.7959-04	1.9412-01	5.7959-04	2.5633-04	7.3599-03	1.1394+04	1.4803-04	3.0250+00	
66	538.95	7.1833+01	1.1010+01	3.4408-02	1.1010+01	3.4408-02	1.5217-02	4.3693-01	6.7641+05	8.8129-03	1.1570-01	
67	497.46	4.1233+01	6.4490+00	1.9542-02	6.4490+00	1.9542-02	8.6428-03	2.4816-01	3.8417+05	4.9959-03	2.5000-01	
68	481.60	3.4182+01	5.4790+00	1.6413-02	5.4790+00	1.6413-02	7.2588-03	2.0842-01	3.2265+05	4.1930-03	4.8300-01	
69	469.71	2.7146+01	4.3171+00	1.2823-02	4.3171+00	1.2823-02	5.6709-03	1.6283-01	2.5207+05	3.2740-03	8.7000-01	
70	461.40	2.2637+01	3.6469+00	1.0768-02	3.6469+00	1.0768-02	4.7623-03	1.3674-01	2.1168+05	2.7484-03	1.2590+00	
71	457.44	2.0716+01	3.3692+00	9.9204-03	3.3692+00	9.9204-03	4.3874-03	1.2597-01	1.9502+05	2.5316-03	1.6500+00	
72	453.28	1.3769+01	2.2802+00	6.6942-03	2.2802+00	6.6942-03	2.9606-03	8.5006-02	1.3160+05	1.7080-03	1.7720+00	
73	447.21	2.3875+00	3.9608-01	1.1578-03	3.9608-01	1.1578-03	5.1207-04	1.4703-02	2.2761+04	2.9534-04	1.9200+00	
74	464.51	1.3444+00	2.2700-01	6.7173-04	2.2700-01	6.7173-04	2.9708-04	8.5300-03	1.3205+04	1.7148-04	2.2400+00	
75	478.68	1.1158+00	1.9019-01	5.6855-04	1.9019-01	5.6855-04	2.5145-04	7.2198-03	1.1177+04	1.4523-04	3.0250+00	
76	478.27	1.2031+00	2.0561-01	6.1447-04	2.0561-01	6.1447-04	2.7175-04	7.8028-03	1.2079+04	1.5695-04	3.4150+00	
77	469.83	1.1886+00	1.9767-01	5.8776-04	1.9787-01	5.8776-04	2.5994-04	7.4637-03	1.1554+04	1.5007-04	2.6360+00	
78	467.21	1.2062+00	2.0284-01	6.0141-04	2.0284-01	6.0141-04	2.6598-04	7.6370-03	1.1823+04	1.5354-04	3.0250+00	
79	468.14	1.2416+00	2.0953-01	6.2164-04	2.0953-01	6.2164-04	2.7493-04	7.8940-03	1.2221+04	1.5871-04	3.4150+00	
80	474.87	1.4057+00	2.3900-01	7.1250-04	2.3900-01	7.1250-04	3.1511-04	9.0477-03	1.4007+04	1.8196-04	2.2400+00	
81	471.07	1.2800+00	2.1327-01	6.3406-04	2.1327-01	6.3406-04	2.8042-04	8.0516-03	1.2465+04	1.6190-04	2.6360+00	
82	469.85	1.1283+00	1.8840-01	5.5963-04	1.8840-01	5.5963-04	2.4750-04	7.1065-03	1.1001+04	1.4289-04	3.0250+00	
83	471.32	1.1673+00	1.9683-01	5.8531-04	1.9683-01	5.8531-04	2.5886-04	7.4325-03	1.1506+04	1.4946-04	3.4150+00	
401	558.97	9.0722+01	8.0359+00	2.5498-02	8.0359+00	2.5498-02	1.1277-02	3.2379-01	5.0125+05	6.5368-03	4.4500-01	
403	546.39	6.7171+01	5.9050+00	1.8558-02	5.9050+00	1.8558-02	8.2073-03	2.3565-01	3.6481+05	4.7548-03	6.8600-01	
404	532.13	5.5246+01	4.8146+00	1.4969-02	4.8146+00	1.4969-02	6.6200-03	1.9008-01	2.9426+05	3.8327-03	8.0100-01	
405	523.69	5.6912+01	4.9339+00	1.5243-02	4.9339+00	1.5243-02	6.7415-03	1.9357-01	2.9966+05	3.9015-03	1.0510+00	
406	591.71	-3.6346-03	-3.2815-04	-1.0681-06	-3.2815-04	-1.0681-06	-4.7236-07	-1.3563-05	-2.0996+01	-2.7424-07	1.1670+00	
407	580.62	1.0277+02	9.3830+00	3.0275-02	9.3830+00	3.0275-02	1.3389-02	3.8445-01	5.9516+05	7.7694-03	1.2830+00	
408	524.61	6.1097+01	5.2998+00	1.6385-02	5.2998+00	1.6385-02	7.2464-03	2.0806-01	3.2210+05	4.1939-03	5.1300-01	
409	500.84	4.6007+01	3.9779+00	1.2084-02	3.9779+00	1.2084-02	5.3443-03	1.5345-01	2.3755+05	3.0897-03	5.7000-01	
410	502.30	4.5866+01	3.9693+00	1.2071-02	3.9693+00	1.2071-02	5.3385-03	1.5328-01	2.3730+05	3.0866-03	6.2800-01	
411	503.54	5.0473+01	4.3715+00	1.3306-02	4.3715+00	1.3306-02	5.8848-03	1.6897-01	2.6158+05	3.4026-03	6.8600-01	
412	516.06	5.8207+01	5.0816+00	1.5611-02	5.0816+00	1.5611-02	6.9040-03	1.9823-01	3.0688+05	3.9942-03	7.4400-01	
413	517.12	5.7615+01	5.0333+00	1.5474-02	5.0333+00	1.5474-02	6.8438-03	1.9650-01	3.0420+05	3.9595-03	8.0100-01	
414	515.14	5.3326+01	4.5983+00	1.4117-02	4.5983+00	1.4117-02	6.2432-03	1.7926-01	2.7751+05	3.6117-03	8.5900-01	
415	506.33	4.5545+01	3.9286+00	1.1982-02	3.9286+00	1.1982-02	5.2994-03	1.5216-01	2.3556+05	3.0645-03	9.1700-01	
416	507.50	4.5423+01	3.8519+00	1.1759-02	3.8519+00	1.1759-02	5.2003-03	1.4932-01	2.3115+05	3.0074-03	5.7000-01	
417	541.56	7.5929+01	6.7342+00	2.1086-02	6.7342+00	2.1086-02	9.3256-03	2.6776-01	4.1452+05	5.4014-03	1.0520+00	

[redacted]

156 4 11.88 -.12 .00 -.00 404 2 2.60 10.13 752.0 1788.5

8.67499+01 1.57161-02 1.12896+00 4.62326+03 1.51998-05 7.02674-08 8.39007-02 7.72000+00 7.29124-06 7.43995-02

1	655.29	1.3082+02	2.3739+01	8.1346-02	2.3739+01	8.1346-02	3.5978-02	1.0330+00	1.5989+06	2.0949-02	.0000+00
2	558.60	7.4762+01	1.1518+01	3.6535-02	1.1518+01	3.6535-02	1.6159-02	4.6394-01	7.1813+05	9.3649-03	1.1570-01
3	508.13	4.1384+01	6.7062+00	2.0481-02	6.7062+00	2.0481-02	9.0587-03	2.6008-01	4.0258+05	5.2378-03	2.5000-01
4	493.31	3.3344+01	5.3858+00	1.6271-02	5.3858+00	1.6271-02	7.1966-03	2.0662-01	3.1983+05	4.1584-03	4.8300-01
5	480.17	2.6180+01	4.1794+00	1.2507-02	4.1794+00	1.2507-02	5.5318-03	1.5882-01	2.4584+05	3.1945-03	8.7000-01
6	474.44	2.2664+01	3.6720+00	1.0943-02	3.6720+00	1.0943-02	4.8402-03	1.3897-01	2.1511+05	2.7944-03	1.2590+00
7	473.75	2.0343+01	3.2844+00	9.7835-03	3.2844+00	9.7835-03	4.3272-03	1.2424-01	1.9231+05	2.4982-03	1.6500+00
8	468.89	1.4191+01	2.3680+00	7.0295-03	2.3680+00	7.0295-03	3.1091-03	8.9264-02	1.3817+05	1.7945-03	1.7720+00
9	458.60	2.3507+00	3.9532-01	1.1649-03	3.9532-01	1.1649-03	5.1524-04	1.4793-02	2.2898+04	2.9726-04	1.9200+00
10	470.05	1.4597+00	2.4956-01	7.4141-04	2.4956-01	7.4141-04	3.2792-04	9.4149-03	1.4573+04	1.8928-04	2.2400+00
11	470.14	1.4405+00	2.4843-01	7.3811-04	2.4843-01	7.3811-04	3.2646-04	9.3729-03	1.4508+04	1.8844-04	2.6360+00
12	470.88	1.2000+00	2.0646-01	6.1372-04	2.0646-01	6.1372-04	2.7145-04	7.7934-03	1.2063+04	1.5669-04	3.0250+00
13	474.31	1.1138+00	1.9206-01	5.7233-04	1.9206-01	5.7233-04	2.5314-04	7.2678-03	1.1250+04	1.4614-04	3.4150+00
14	568.96	7.5442+01	1.1734+01	3.7519-02	1.1734+01	3.7519-02	1.6594-02	4.7643-01	7.3747+05	9.6218-03	1.1570-01
15	506.55	4.0647+01	6.5317+00	1.9925-02	6.5317+00	1.9925-02	8.8127-03	2.5302-01	3.9165+05	5.0952-03	2.5000-01
16	491.00	3.1226+01	4.9891+00	1.5047-02	4.9891+00	1.5047-02	6.6553-03	1.9108-01	2.9577+05	3.8452-03	4.8300-01
17	476.40	2.2677+01	3.6225+00	1.0811-02	3.6225+00	1.0811-02	4.7817-03	1.3729-01	2.1251+05	2.7609-03	8.7000-01
18	475.24	2.2446+01	3.6162+00	1.0783-02	3.6162+00	1.0783-02	4.7694-03	1.3693-01	2.1196+05	2.7537-03	1.2590+00
19	474.41	1.9791+01	3.2163+00	9.5853-03	3.2163+00	9.5853-03	4.2395-03	1.2172-01	1.8841+05	2.4476-03	1.6500+00
20	464.96	1.1405+01	1.9094+00	5.6521-03	1.9094+00	5.6521-03	2.4999-03	7.1774-02	1.1110+05	1.4427-03	1.7720+00
21	480.96	2.5054+01	3.9642+00	1.1870-02	3.9642+00	1.1870-02	5.2499-03	1.5073-01	2.3331+05	3.0319-03	4.8300-01
22	477.91	2.2639+01	3.6538+00	1.0916-02	3.6538+00	1.0916-02	4.8283-03	1.3862-01	2.1458+05	2.7880-03	8.7000-01
23	469.66	1.6824+01	2.7096+00	8.0478-03	2.7096+00	8.0478-03	3.5595-03	1.0220-01	1.5819+05	2.0546-03	1.2590+00
24	472.86	1.6485+01	2.6926+00	8.0155-03	2.6926+00	8.0155-03	3.5452-03	1.0179-01	1.5755+05	2.0466-03	1.6500+00
25	467.88	1.1839+01	1.9508+00	5.7865-03	1.9508+00	5.7865-03	2.5593-03	7.3481-02	1.1374+05	1.4772-03	1.7720+00
26	464.04	2.0208+00	3.4109-01	1.0090-03	3.4109-01	1.0090-03	4.4628-04	1.2813-02	1.9833+04	2.5754-04	1.9200+00
27	473.23	1.6623+00	2.8232-01	8.4066-04	2.8232-01	8.4066-04	3.7182-04	1.0675-02	1.6524+04	2.1465-04	3.0250+00
28	478.20	1.8364+00	3.1291-01	9.3506-04	3.1291-01	9.3506-04	4.1357-04	1.1874-02	1.8380+04	2.3881-04	3.4150+00
29	540.03	6.7814+01	1.1245+01	3.5168-02	1.1245+01	3.5168-02	1.5555-02	4.4659-01	6.9127+05	9.0069-03	8.7000-01
30	511.36	5.2713+01	8.6936+00	2.6614-02	8.6936+00	2.6614-02	1.1771-02	3.3796-01	5.2313+05	6.8072-03	1.2590+00
31	506.12	4.2496+01	7.0499+00	2.1499-02	7.0499+00	2.1499-02	9.5090-03	2.7301-01	4.2259+05	5.4976-03	1.6500+00
32	479.68	2.1686+01	3.6014+00	1.0774-02	3.6014+00	1.0774-02	4.7651-03	1.3681-01	2.1177+05	2.7517-03	1.7720+00
33	473.88	1.7226+00	2.8755-01	8.5662-04	2.8755-01	8.5662-04	3.7888-04	1.0878-02	1.6838+04	2.1873-04	2.2400+00
34	477.12	1.1138+00	1.8687-01	5.5800-04	1.8687-01	5.5800-04	2.4680-04	7.0858-03	1.0968+04	1.4250-04	3.0250+00
35	513.73	4.8799+01	7.3637+00	2.2582-02	7.3637+00	2.2582-02	9.9880-03	2.8676-01	4.4388+05	5.7766-03	1.1570-01
37	511.26	4.0739+01	6.4696+00	1.9804-02	6.4696+00	1.9804-02	8.7593-03	2.5149-01	3.8928+05	5.0654-03	1.2500+00
38	463.10	4.5184+00	7.5328-01	2.2269-03	7.5328-01	2.2269-03	9.8493-04	2.8278-02	4.3772+04	5.6835-04	1.9200+00
39	475.62	4.1423+00	7.0256-01	2.0956-03	7.0256-01	2.0956-03	9.2686-04	2.6611-02	4.1191+04	5.3514-04	2.2400+00
40	477.33	2.3694+00	4.0821-01	1.2191-03	4.0821-01	1.2191-03	5.3919-04	1.5481-02	2.3963+04	3.1134-04	3.0250+00
41	477.81	2.1964+00	3.7524-01	1.1210-03	3.7524-01	1.1210-03	4.9582-04	1.4235-02	2.2035+04	2.8630-04	3.4150+00
42	553.77	7.0177+01	1.1770+01	3.7199-02	1.1770+01	3.7199-02	1.6453-02	4.7237-01	7.3118+05	9.5328-03	8.7000-01
43	518.36	5.2880+01	8.8408+00	2.7206-02	8.8408+00	2.7206-02	1.2033-02	3.4547-01	5.3476+05	6.9607-03	1.2590+00
44	505.29	4.1970+01	6.9804+00	2.1274-02	6.9804+00	2.1274-02	9.4095-03	2.7015-01	4.1817+05	5.4399-03	1.6500+00
45	485.73	2.4595+01	4.0761+00	1.2247-02	4.0761+00	1.2247-02	5.4168-03	1.5552-01	2.4073+05	3.1289-03	1.7720+00
46	479.57	1.1065+00	1.8595-01	5.5623-04	1.8595-01	5.5623-04	2.4602-04	7.0633-03	1.0933+04	1.4207-04	2.2400+00
47	479.72	1.1579+00	1.9750-01	5.9084-04	1.9750-01	5.9084-04	2.6132-04	7.5028-03	1.1614+04	1.5091-04	3.0250+00
48	481.31	2.3666+01	3.7455+00	1.1218-02	3.7455+00	1.1218-02	4.9615-03	1.4245-01	2.2050+05	2.8653-03	8.7000-01
49	467.83	1.7425+01	2.8108+00	8.3375-03	2.8108+00	8.3375-03	3.6876-03	1.0587-01	1.6388+05	2.1284-03	1.2590+00
50	471.59	1.6760+01	2.7602+00	8.2092-03	2.7602+00	8.2092-03	3.6309-03	1.0425-01	1.6136+05	2.0960-03	1.6500+00
51	469.65	1.1731+01	1.9295+00	5.7308-03	1.9295+00	5.7308-03	2.5347-03	7.2773-02	1.1265+05	1.4631-03	1.7720+00
52	466.24	2.3644+00	3.9283-01	1.1639-03	3.9283-01	1.1639-03	5.1478-04	1.4780-02	2.2878+04	2.9709-04	1.9200+00
53	480.63	2.0644+00	3.4718-01	1.0393-03	3.4718-01	1.0393-03	4.5967-04	1.3197-02	2.0428+04	2.6545-04	2.2400+00
54	480.17	1.9979+00	3.3589-01	1.0052-03	3.3589-01	1.0052-03	4.4458-04	1.2764-02	1.9758+04	2.5674-04	2.6360+00
55	479.42	2.4795+00	4.1665-01	1.2462-03	4.1665-01	1.2462-03	5.5117-04	1.5824-02	2.4495+04	3.1828-04	3.0250+00
56	477.65	2.6577+00	4.5004-01	1.3443-03	4.5004-01	1.3443-03	5.9458-04	1.7071-02	2.6424+04	3.4332-04	3.4150+00
57	555.12	7.0426+01	1.0901+01	3.4487-02	1.0901+01	3.4487-02	1.5253-02	4.3793-01	6.7787+05	8.8384-03	1.1570-01
58	507.41	4.0712+01	6.5941+00	2.0128-02	6.5941+00	2.0128-02	8.9026-03	2.5560-01	3.9564+05	5.1474-03	2.5000-01
59	490.57	3.1983+01	5.1567+00	1.5548-02	5.1567+00	1.5548-02	6.8768-03	1.9744-01	3.0561+05	3.9731-03	4.8300-01
60	477.28	2.4803+01	3.9644+00	1.1839-02	3.9644+00	1.1839-02	5.2363-03	1.5034-01	2.3271+05	3.0235-03	8.7000-01
61	472.92	1.7719+00	2.8416-01	8.4594-04	2.8416-01	8.4594-04	3.7415-04	1.0742-02	1.6628+04	2.1660-04	1.2590+00
62	469.46	2.0332+01	3.2631+00	9.6902-03	3.2631+00	9.6902-03	4.2859-03	1.2305-01	1.9047+05	2.4739-03	1.6500+00
63	463.06	1.3270+01	2.2056+00	6.5201-03	2.2056+00	6.5201-03	2.8838-03	8.2796-02	1.2816+05	1.6641-03	1.7720+00
64	474.45	1.2675+00	2.1607-01	6.4396-04	2.1607-01	6.4396-04	2.8482-04	8.1773-03	1.2658+04	1.6444-04	2.2400+00
65	477.28	1.1777+00	2.0172-01	6.0240-04	2.0172-01	6.0240-04	2.6643-04	7.6495-03	1.1841+04	1.5384-04	3.0250+00
66	556.90	7.1537+01	1.1065+01	3.5115-02	1.1085+01	3.5115-02	1.5531-02	4.4591-01	6.9023+05	9.0003-03	1.1570-01
67	507.74	4.0963+01	6.4490+00	1.9690-02	6.4490+00	1.9690-02	8.7088-03	2.5004-01	3.8703+05	5.0354-03	2.5000-01
68	490.11	3.3849+01	5.4560+00	1.6445-02	5.4560+00	1.6445-02	7.2735-03	2.0883-01	3.2324+05	4.2022-03	4.8300-01
69	476.47	2.6887+01	4.2951+00	1.2819-02	4.2951+00	1.2819-02	5.6698-03	1.6278-01	2.5197+05	3.2737-03	8.7000-01
70	467.10	2.2646+01	3.6623+00	1.0858-02	3.6623+00	1.0858-02	4.8022-03	1.3787-01	2.1342+05	2.7716-03	1.2590+00
71	462.67	2.0765+01	3.3891+00	1.0016-02	3.3891+00	1.0016-02	4.4300-03	1.2719-01	1.9688+05	2.5563-03	1.6500+00
72	456.70	1.3694+01	2.2731+00	6.6894-03	2.2731+00	6.6894-03	2.9587-03	8.4946-02	1.3149+05	1.7068-03	1.7720+00
73	467.79	2.3621+00	3.9202-01	1.1464-03	3.9202-01	1.1464-03	5.0706-04	1.4558-02	2.2534+04	2.9240-04	1.9200+00
74	464.85	1.4021+00	2.3679-01	7.0088-04	2.3679-01	7.0088-04	3.0999-04	8.9002-03	1.3777+04	1.7890-04	2.2400+00
75	478.97	1.1522+00	1.9643-01	5.8732-04	1.9643-01	5.8732-04	2.5976-04	7.4580-03	1.1544+04	1.5000-04	3.0250+00
76	478.56	1.1642+00	1.9899-01	5.9481-04	1.9899-01	5.9481-04	2.6308-04	7.5532-03	1.1692+04	1.5191-04	3.4150+00
77	470.13	1.2270+00	2.0431-01	6.0702-04	2.0431-01	6.0702-04	2.6848-04	7.7083-03	1.1932+04	1.5497-04	2.6360+00
78	467.50	1.1714+00	1.9703-01	5.8429-04	1.9703-01	5.8429-04	2.5843-04	7.4197-03	1.1485+04	1.4915-04	3.0250+00
79	468.45	1.2312+00	2.0782-01	6.1670-04	2.0782-01	6.1670-04	2.7276-04	7.8312-03	1.2122+04	1.5743-04	3.4150+00
80	475.21	1.3304+00	2.2624-01	6.7463-04	2.2624-01	6.7463-04	2.9838-04	8.5668-03	1.3261+04	1.7227-04	2.2400+00
81	471.38	1.2696+00	2.1158-01	6.2918-04	2.1158-01	6.2918-04	2.7828-04	7.9897-03	1.2367+04	1.6064-04	2.6360+00
82	470.13	1.1527+00	1.9251-01	5.7197-04	1.9251-01	5.7197-04	2.5298-04	7.2632-03	1.1243+04	1.4603-04	3.0250+00
83	471.60	1.1366+00	1.9170-01	5.7016-04	1.9170-01	5.7016-04	2.5218-04	7.2402-03	1.1207+04	1.4557-04	3.4150+00
401	581.68	9.0047+01	8.0832+00	2.6103-02	8.0832+00	2.6103-02	1.1545-02	3.3147-01	5.1308+05	6.6981-03	4.4500-01
403	562.75	6.4249+01	5.7038+00	1.8151-02	5.7038+00	1.8151-02	8.0279-03	2.3049-01	3.5677+05	4.6534-03	6.6600-01
404	545.73	5.3752+01	4.7235+00	1.4837-02	4.7235+00	1.4837-02	6.5623-03	1.8841-01	2.9164+05	3.8008-03	8.0100-01
405	537.71	5.5540+01	4.8569+00	1.5164-02	4.8569+00	1.5164-02	6.7068-03	1.9256-01	2.9806+05	3.8831-03	1.0510+00
406	591.70	-3.6343-03	-3.2813-04	-1.0680-06	-3.2813-04	-1.0680-06	-4.7235-07	-1.3562-05	-2.0992+01	-2.7418-07	1.1670+00
407	605.92	9.9505+01	9.2173+00	3.0340-02	9.2173+00	3.0340-02	1.3419-02	3.8527-01	5.9636+05	7.7944-03	1.2830+00
408	540.13	6.2713+01	5.4922+00	1.7179-02	5.4922+00	1.7179-02	7.5980-03	2.1815-01	3.3767+05	4.3996-03	5.1300-01
409	512.74	4.8522+01	4.2272+00	1.2954-02	4.2272+00	1.2954-02	5.7296-03	1.6450-01	2.5463+05	3.3136-03	5.7000-01
410	514.12	4.7966+01	4.1824+00	1.2830-02	4.1824+00	1.2830-02	5.6746-03	1.6292-01	2.5219+05	3.2820-03	6.2800-01
411	516.50	5.2302+01	4.5674+00	1.4036-02	4.5674+00	1.4036-02	6.2078-03	1.7823-01	2.7589+05	3.5908-03	6.8600-01
412	530.87	5.9178+01	5.2142+00	1.6196-02	5.2142+00	1.6196-02	7.1633-03	2.0566-01	3.1835+05	4.1461-03	7.4400-01
413	531.53	5.7124+01	5.0353+00	1.5648-02	5.0353+00	1.5648-02	6.9209-03	1.9871-01	3.0758+05	4.0060-03	8.0100-01
414	528.52	5.3299+01	4.6346+00	1.4370-02	4.6346+00	1.4370-02	6.3559-03	1.8248-01	2.8246+05	3.6784-03	8.5900-01
415	517.79	4.5742+01	3.9743+00	1.2225-02	3.9743+00	1.2225-02	5.4070-03	1.5524-01	2.4029+05	3.1277-03	9.1700-01
416	519.19	4.7732+01	4.0776+00	1.2556-02	4.0776+00	1.2556-02	5.5533-03	1.5944-01	2.4679+05	3.2125-03	9.7000-01
417	560.35	7.4185+01	6.6543+00	2.1136-02	6.6543+00	2.1136-02	9.3485-03	2.6840-01	4.1546+05	5.4183-03	1.0520+00

156 4 11.88 -.12 .00 -.00 404 2 3.10 10.13 752.0 1788.1

8.67318+01 1.57166-02 1.12900+00 4.62277+03 1.52035-05 7.02527-08 8.39298-02 7.72000+00 7.28952-06 7.44015-02

1	717.21	1.1691+02	2.1893+01	7.9093-02	2.1893+01	7.9093-02	3.4977-02	1.0044+00	1.5550+06	2.0443-02	.0000+00
2	595.53	7.2823+01	1.1463+01	3.7416-02	1.1463+01	3.7416-02	1.6546-02	4.7513-01	7.3562+05	9.6117-03	1.1570-01
3	528.60	4.0738+01	6.6867+00	2.0731-02	6.6867+00	2.0731-02	9.1680-03	2.6326-01	4.0759+05	5.3089-03	2.5000-01
4	509.85	3.2769+01	5.3492+00	1.6355-02	5.3492+00	1.6355-02	7.2327-03	2.0769-01	3.2155+05	4.1847-03	4.8300-01
5	493.16	2.5748+01	4.1454+00	1.2521-02	4.1454+00	1.2521-02	5.5370-03	1.5899-01	2.4616+05	3.2011-03	8.7000-01
6	485.69	2.2249+01	3.6316+00	1.0910-02	3.6316+00	1.0910-02	4.8246-03	1.3854-01	2.1449+05	2.7883-03	1.2590+00
7	483.90	2.0078+01	3.2634+00	9.7907-03	3.2634+00	9.7907-03	4.3298-03	1.2433-01	1.9249+05	2.5021-03	1.6500+00
8	475.89	1.3870+01	2.3252+00	6.9359-03	2.3252+00	6.9359-03	3.0673-03	8.8076-02	1.3637+05	1.7719-03	1.7720+00
9	459.78	2.3875+00	4.0184-01	1.1850-03	4.0184-01	1.1850-03	5.2403-04	1.5047-02	2.3297+04	3.0251-04	1.9200+00
10	470.77	1.4405+00	2.4639-01	7.3228-04	2.4639-01	7.3228-04	3.2384-04	9.2989-03	1.4397+04	1.8703-04	2.2400+00
11	470.77	1.2629+00	2.1788-01	6.4755-04	2.1788-01	6.4755-04	2.8637-04	8.2229-03	1.2731+04	1.6539-04	2.6360+00
12	471.47	1.2436+00	2.1405-01	6.3647-04	2.1405-01	6.3647-04	2.8147-04	8.0823-03	1.2513+04	1.6257-04	3.0250+00
13	474.89	1.2171+00	2.0997-01	6.2586-04	2.0997-01	6.2586-04	2.7678-04	7.9476-03	1.2305+04	1.5988-04	3.4150+00
14	606.16	7.3173+01	1.1627+01	3.8273-02	1.1627+01	3.8273-02	1.6925-02	4.8601-01	7.5247+05	9.8369-03	1.1570-01
15	526.46	3.9601+01	6.5321+00	2.0220-02	6.5321+00	2.0220-02	8.9418-03	2.5676-01	3.9753+05	5.1774-03	2.5000-01
16	506.41	3.0381+01	4.9024+00	1.4951-02	4.9024+00	1.4951-02	6.6119-03	1.8986-01	2.9395+05	3.8249-03	4.8300-01
17	487.76	2.2675+01	3.6493+00	1.0979-02	3.6493+00	1.0979-02	4.8554-03	1.3942-01	2.1586+05	2.8064-03	8.7000-01
18	486.39	2.2186+01	3.6008+00	1.0822-02	3.6008+00	1.0822-02	4.7860-03	1.3743-01	2.1278+05	2.7661-03	1.2590+00
19	484.24	1.9465+01	3.1839+00	9.5548-03	3.1839+00	9.5548-03	4.2254-03	1.2133-01	1.8785+05	2.4419-03	1.6500+00
20	470.68	1.1515+01	1.9352+00	5.7510-03	1.9352+00	5.7510-03	2.5433-03	7.3029-02	1.1307+05	1.4689-03	1.7720+00
21	493.84	2.6383+01	4.2097+00	1.2721-02	4.2097+00	1.2721-02	5.6257-03	1.6154-01	2.5011+05	3.2525-03	4.8300-01
22	489.18	2.2464+01	3.6524+00	1.1000-02	3.6524+00	1.1000-02	4.8645-03	1.3968-01	2.1627+05	2.8118-03	8.7000-01
23	477.99	1.6663+01	2.6978+00	8.0596-03	2.6978+00	8.0596-03	3.5642-03	1.0235-01	1.5846+05	2.0592-03	1.2590+00
24	481.08	1.6380+01	2.6901+00	8.0544-03	2.6901+00	8.0544-03	3.5619-03	1.0228-01	1.5835+05	2.0581-03	1.6500+00
25	473.75	1.1676+01	1.9315+00	5.7527-03	1.9315+00	5.7527-03	2.5440-03	7.3051-02	1.1310+05	1.4695-03	1.7720+00
26	465.06	2.1917+00	3.7020-01	1.0958-03	3.7020-01	1.0958-03	4.8458-04	1.3915-02	2.1543+04	2.7980-04	1.9200+00
27	474.06	1.8016+00	3.0613-01	9.1198-04	3.0613-01	9.1198-04	4.0330-04	1.1581-02	1.7930+04	2.3296-04	3.0250+00
28	479.12	2.0291+00	3.4596-01	1.0344-03	3.4596-01	1.0344-03	4.5743-04	1.3135-02	2.0336+04	2.6429-04	3.4150+00
29	572.48	6.2259+01	1.0526+01	3.3743-02	1.0526+01	3.3743-02	1.4922-02	4.2849-01	6.6341+05	8.6586-03	8.7000-01
30	537.75	5.2464+01	8.7958+00	2.7458-02	8.7958+00	2.7458-02	1.2143-02	3.4868-01	5.3985+05	7.0345-03	1.2590+00
31	527.13	4.1465+01	6.9705+00	2.1587-02	6.9705+00	2.1587-02	9.5465-03	2.7413-01	4.2442+05	5.5277-03	1.6500+00
32	490.56	2.1639+01	3.6193+00	1.0911-02	3.6193+00	1.0911-02	4.8252-03	1.3855-01	2.1452+05	2.7893-03	1.7720+00
33	474.74	1.6951+00	2.8311-01	8.4380-04	2.8311-01	8.4380-04	3.7316-04	1.0715-02	1.6590+04	2.1556-04	2.2400+00
34	477.72	1.2717+00	2.1345-01	6.3755-04	2.1345-01	6.3755-04	2.8194-04	8.0959-03	1.2535+04	1.6289-04	3.0250+00
35	538.20	4.8652+01	7.4540+00	2.3277-02	7.4540+00	2.3277-02	1.0294-02	2.9559-01	4.5764+05	5.9635-03	1.1570-01
37	531.48	4.0186+01	6.4629+00	2.0081-02	6.4629+00	2.0081-02	8.8803-03	2.5500-01	3.9480+05	5.1430-03	1.2500+00
38	465.44	4.8795+00	8.1476-01	2.4123-03	8.1476-01	2.4123-03	1.0668-03	3.0632-02	4.7427+04	6.1598-04	1.9200+00
39	477.75	4.3501+00	7.3885-01	2.2069-03	7.3885-01	2.2069-03	9.7595-04	2.8024-02	4.3389+04	5.6384-04	2.2400+00
40	478.48	2.3060+00	3.9759-01	1.1882-03	3.9759-01	1.1882-03	5.2546-04	1.5088-02	2.3361+04	3.0359-04	3.0250+00
41	478.89	2.2135+00	3.7844-01	1.1313-03	3.7844-01	1.1313-03	5.0030-04	1.4366-02	2.2242+04	2.8906-04	3.4150+00
42	587.08	6.3172+01	1.0805+01	3.5033-02	1.0805+01	3.5033-02	1.5493-02	4.4487-01	6.8878+05	8.9960-03	8.7000-01
43	544.66	5.1812+01	8.8039+00	2.7627-02	8.8039+00	2.7627-02	1.2218-02	3.5083-01	5.4317+05	7.0801-03	1.2590+00
44	526.03	4.0858+01	6.8846+00	2.1304-02	6.8846+00	2.1304-02	9.4212-03	2.7053-01	4.1885+05	5.4549-03	1.6500+00
45	497.98	2.4352+01	4.0681+00	1.2331-02	4.0681+00	1.2331-02	5.4530-03	1.5658-01	2.4243+05	3.1532-03	1.7720+00
46	480.21	1.3122+00	2.2061-01	6.6012-04	2.2061-01	6.6012-04	2.9193-04	8.3826-03	1.2979+04	1.6868-04	2.2400+00
47	480.33	1.2088+00	2.0627-01	6.1725-04	2.0627-01	6.1725-04	2.7297-04	7.8382-03	1.2136+04	1.5772-04	3.0250+00
48	493.00	2.3005+01	3.6687+00	1.1080-02	3.6687+00	1.1080-02	4.8997-03	1.4069-01	2.1783+05	2.8327-03	8.7000-01
49	476.56	1.7537+01	2.8452+00	8.4913-03	2.8452+00	8.4913-03	3.7551-03	1.0783-01	1.6694+05	2.1693-03	1.2590+00
50	479.89	1.6479+01	2.7289+00	8.1637-03	2.7289+00	8.1637-03	3.6102-03	1.0367-01	1.6050+05	2.0860-03	1.6500+00
51	475.45	1.1503+01	1.8992+00	5.6635-03	1.8992+00	5.6635-03	2.5046-03	7.1919-02	1.1135+05	1.4468-03	1.7720+00
52	467.39	2.3829+00	3.9958-01	1.1847-03	3.9958-01	1.1847-03	5.2391-04	1.5044-02	2.3292+04	3.0254-04	1.9200+00
53	481.64	2.0556+00	3.4592-01	1.0361-03	3.4592-01	1.0361-03	4.5821-04	1.3157-02	2.0371+04	2.6477-04	2.2400+00
54	481.16	2.0031+00	3.3698-01	1.0090-03	3.3698-01	1.0090-03	4.4622-04	1.2813-02	1.9838+04	2.5784-04	2.6360+00
55	480.69	2.4961+00	4.1979-01	1.2565-03	4.1979-01	1.2565-03	5.5568-04	1.5956-02	2.4704+04	3.2108-04	3.0250+00
56	478.99	2.6483+00	4.4885-01	1.3419-03	4.4885-01	1.3419-03	5.9342-04	1.7040-02	2.6382+04	3.4286-04	3.4150+00
57	590.10	6.9326+01	1.0953+01	3.5597-02	1.0953+01	3.5597-02	1.5742-02	4.5204-01	6.9987+05	9.1422-03	1.1570-01
58	527.62	4.0228+01	6.5991+00	2.0445-02	6.5991+00	2.0445-02	9.0412-03	2.5962-01	4.0195+05	5.2352-03	2.5000-01
59	506.34	3.1148+01	5.0732+00	1.5471-02	5.0732+00	1.5471-02	6.8419-03	1.9646-01	3.0418+05	3.9579-03	4.8300-01
60	489.64	2.4570+01	3.9591+00	1.1927-02	3.9591+00	1.1927-02	5.2746-03	1.5146-01	2.3450+05	3.0490-03	8.7000-01
61	473.82	1.8281+00	2.9333-01	8.7369-04	2.9333-01	8.7369-04	3.8637-04	1.1095-02	1.7177+04	2.2318-04	1.2590+00
62	479.54	1.9956+01	3.2242+00	9.6430-03	3.2242+00	9.6430-03	4.2644-03	1.2245-01	1.8959+05	2.4639-03	1.6500+00
63	469.64	1.3041+01	2.1771+00	6.4652-03	2.1771+00	6.4652-03	2.8591-03	8.2098-02	1.2711+05	1.6512-03	1.7720+00
64	475.09	1.3003+00	2.2175-01	6.6108-04	2.2175-01	6.6108-04	2.9235-04	8.3948-03	1.2997+04	1.6888-04	2.2400+00
65	477.88	1.1901+00	2.0393-01	6.0919-04	2.0393-01	6.0919-04	2.6940-04	7.7359-03	1.1977+04	1.5565-04	3.0250+00
66	592.42	7.0305+01	1.1122+01	3.6215-02	1.1122+01	3.6215-02	1.6015-02	4.5987-01	7.1201+05	9.3018-03	1.1570-01
67	528.07	4.0426+01	6.4463+00	1.9978-02	6.4463+00	1.9978-02	8.8349-03	2.5369-01	3.9278+05	5.1159-03	2.5000-01
68	506.87	3.3243+01	5.4163+00	1.6524-02	5.4163+00	1.6524-02	7.3074-03	2.0983-01	3.2487+05	4.2273-03	4.8300-01
69	489.78	2.6375+01	4.2502+00	1.2806-02	4.2502+00	1.2806-02	5.6631-03	1.6262-01	2.5177+05	3.2736-03	8.7000-01
70	478.38	2.2409+01	3.6513+00	1.0911-02	3.6513+00	1.0911-02	4.8252-03	1.3855-01	2.1452+05	2.7878-03	1.2590+00
71	472.91	2.0364+01	3.3465+00	9.9610-03	3.3465+00	9.9610-03	4.4050-03	1.2649-01	1.9584+05	2.5444-03	1.6500+00
72	463.63	1.3620+01	2.2714+00	6.7164-03	2.2714+00	6.7164-03	2.9702-03	8.5288-02	1.3205+05	1.7149-03	1.7720+00
73	449.01	2.5278+00	4.1987-01	1.2288-03	4.1987-01	1.2288-03	5.4340-04	1.5604-02	2.4158+04	3.1394-04	1.9200+00
74	465.55	1.3881+00	2.3453-01	6.9444-04	2.3453-01	6.9444-04	3.0710-04	8.8183-03	1.3653+04	1.7733-04	2.2400+00
75	479.58	1.2629+00	2.1538-01	6.4417-04	2.1538-01	6.4417-04	2.8487-04	8.1800-03	1.2665+04	1.6459-04	3.0250+00
76	479.16	1.1927+00	2.0396-01	6.0982-04	2.0396-01	6.0982-04	2.6968-04	7.7439-03	1.1990+04	1.5582-04	3.4150+00
77	470.74	1.2260+00	2.0422-01	6.0693-04	2.0422-01	6.0693-04	2.6840-04	7.7071-03	1.1933+04	1.5502-04	2.6360+00
78	468.07	1.1444+00	1.9256-01	5.7119-04	1.9256-01	5.7119-04	2.5260-04	7.2533-03	1.1230+04	1.4587-04	3.0250+00
79	469.06	1.2026+00	2.0308-01	6.0282-04	2.0308-01	6.0282-04	2.6658-04	7.6549-03	1.1852+04	1.5396-04	3.4150+00
80	475.89	1.3694+00	2.3297-01	6.9494-04	2.3297-01	6.9494-04	3.0733-04	8.8248-03	1.3663+04	1.7754-04	2.2400+00
81	472.04	1.3501+00	2.2510-01	6.6960-04	2.2510-01	6.6960-04	2.9612-04	8.5029-03	1.3165+04	1.7103-04	2.6360+00
82	470.73	1.1958+00	1.9979-01	5.9377-04	1.9979-01	5.9377-04	2.6258-04	7.5400-03	1.1674+04	1.5166-04	3.0250+00
83	472.19	1.1273+00	1.9020-01	5.6585-04	1.9020-01	5.6585-04	2.5023-04	7.1854-03	1.1125+04	1.4453-04	3.4150+00
401	626.10	8.6981+01	8.0058+00	2.6779-02	8.0058+00	2.6779-02	1.1842-02	3.4005-01	5.2649+05	6.8894-03	4.4500-01
403	593.54	5.9403+01	5.3689+00	1.7497-02	5.3689+00	1.7497-02	7.7377-03	2.2219-01	3.4400+05	4.4943-03	6.8600-01
404	571.94	5.1227+01	4.5725+00	1.4652-02	4.5725+00	1.4652-02	6.4795-03	1.8606-01	2.8807+05	3.7597-03	8.0100-01
405	565.02	5.3671+01	4.7711+00	1.5207-02	4.7711+00	1.5207-02	6.7249-03	1.9310-01	2.9898+05	3.9008-03	1.0510+00
406	591.71	-3.1150-03	-2.8124-04	-9.1522-07	-2.8124-04	-9.1522-07	-4.0474-07	-1.1622-05	-1.7994+01	-2.3507-07	1.1670+00
407	653.99	9.2345+01	8.7812+00	3.0053-02	8.7812+00	3.0053-02	1.3290-02	3.8163-01	5.9087+05	7.7426-03	1.2830+00
408	572.21	6.5016+01	5.8042+00	1.8603-02	5.8042+00	1.8603-02	8.2266-03	2.3623-01	3.6574+05	4.7735-03	5.1300-01
409	538.05	5.2028+01	4.6045+00	1.4377-02	4.6045+00	1.4377-02	6.3581-03	1.8257-01	2.8267+05	3.6834-03	5.7000-01
410	538.90	5.0434+01	4.4658+00	1.3953-02	4.4658+00	1.3953-02	6.1705-03	1.7718-01	2.7433+05	3.5748-03	6.2800-01
411	543.26	5.3971+01	4.7917+00	1.5021-02	4.7917+00	1.5021-02	6.6427-03	1.9074-01	2.9532+05	3.8491-03	6.8600-01
412	560.65	5.9310+01	5.3210+00	1.6903-02	5.3210+00	1.6903-02	7.4749-03	2.1464-01	3.3232+05	4.3349-03	7.4400-01
413	559.73	5.5661+01	4.9909+00	1.5843-02	4.9909+00	1.5843-02	7.0062-03	2.0118-01	3.1148+05	4.0629-03	8.0100-01
414	554.98	5.2312+01	4.6226+00	1.4621-02	4.6226+00	1.4621-02	6.4656-03	1.8566-01	2.8745+05	3.7486-03	8.5900-01
415	540.64	4.5466+01	4.0066+00	1.2535-02	4.0066+00	1.2535-02	5.5432-03	1.5917-01	2.4644+05	3.2117-03	9.1700-01
416	544.09	5.1448+01	4.4631+00	1.3999-02	4.4631+00	1.3999-02	6.1909-03	1.7777-01	2.7524+05	3.5875-03	5.7000-01
417	596.45	6.9896+01	6.4026+00	2.0914-02	6.4026+00	2.0914-02	9.2487-03	2.6557-01	4.1118+05	5.3727-03	1.0520+00

157 4 6.87 -5.13 .00 -.00 404 2 1.85 10.13 753.5 1787.6

8.67027+01 1.57479-02 1.13127+00 4.62206+03 1.52388-05 7.02292-08 8.41400-02 7.72000+00 7.28675-06 7.44048-02

1	547.47	1.5123+02	2.5820+01	8.1185-02	2.5820+01	8.1185-02	3.5825-02	1.0299+00	1.5968+06	2.0820-02	.0000+00	
2	508.43	8.7340+01	1.3046+01	3.9842-02	1.3046+01	3.9842-02	1.7581-02	5.0541-01	7.8361+05	1.0199-02	1.1570-01	
3	482.86	5.1630+01	8.2309+00	2.4672-02	8.2309+00	2.4672-02	1.0887-02	3.1297-01	4.8525+05	6.3084-03	2.5000-01	
4	473.35	4.1182+01	6.5652+00	1.9545-02	6.5652+00	1.9545-02	8.6248-03	2.4794-01	3.8442+05	4.9953-03	4.8300-01	
5	465.70	3.2491+01	5.1373+00	1.5211-02	5.1373+00	1.5211-02	6.7121-03	1.9295-01	2.9917+05	3.8862-03	8.7000-01	
6	462.51	2.7702+01	4.4526+00	1.3154-02	4.4526+00	1.3154-02	5.8044-03	1.6686-01	2.5871+05	3.3602-03	1.2590+00	
7	463.88	2.4585+01	3.9431+00	1.1660-02	3.9431+00	1.1660-02	5.1461-03	1.4791-01	2.2933+05	2.9787-03	1.6500+00	
8	463.32	1.7643+01	2.9330+00	8.6694-03	2.9330+00	8.6694-03	3.8256-03	1.0998-01	1.7051+05	2.2147-03	1.7720+00	
9	460.72	3.1044+00	5.2283-01	1.5426-03	5.2283-01	1.5426-03	6.8069-04	1.9568-02	3.0339+04	3.9403-04	1.9200+00	
10	466.55	2.4670+00	4.2077-01	1.2466-03	4.2077-01	1.2466-03	5.5010-04	1.5814-02	2.4519+04	3.1851-04	2.2400+00	
11	459.68	2.3138+00	3.9623-01	1.1682-03	3.9623-01	1.1682-03	5.1549-04	1.4819-02	2.2976+04	2.9838-04	2.6360+00	
12	457.43	2.3938+00	4.0813-01	1.2014-03	4.0813-01	1.2014-03	5.3012-04	1.5240-02	2.3628+04	3.0682-04	3.0250+00	
13	462.48	2.3548+00	4.0286-01	1.1901-03	4.0286-01	1.1901-03	5.2516-04	1.5097-02	2.3407+04	3.0402-04	3.4150+00	
14	516.85	8.5589+01	1.2897+01	3.9630-02	1.2897+01	3.9630-02	1.7488-02	5.0273-01	7.7946+05	1.0149-02	1.1570-01	
15	480.05	4.7106+01	7.5429+00	2.2564-02	7.5429+00	2.2564-02	9.9570-03	2.8624-01	4.4380+05	5.7687-03	2.5000-01	
16	471.47	3.8085+01	6.0072+00	1.7860-02	6.0072+00	1.7860-02	7.8811-03	2.2656-01	3.5127+05	4.5642-03	4.8300-01	
17	465.21	2.8045+01	4.4466+00	1.3161-02	4.4466+00	1.3161-02	5.8076-03	1.6695-01	2.5885+05	3.3625-03	8.7000-01	
18	463.67	2.6244+01	4.1956+00	1.2405-02	4.1956+00	1.2405-02	5.4739-03	1.5736-01	2.4398+05	3.1690-03	1.2590+00	
19	464.70	2.3349+01	3.7699+00	1.1154-02	3.7699+00	1.1154-02	4.9221-03	1.4150-01	2.1938+05	2.8497-03	1.6500+00	
20	461.08	1.2790+01	2.1357+00	6.3027-03	2.1357+00	6.3027-03	2.7812-03	7.9953-02	1.2396+05	1.6100-03	1.7720+00	
21	467.46	2.8717+01	4.5032+00	1.3350-02	4.5032+00	1.3350-02	5.8910-03	1.6935-01	2.6257+05	3.4111-03	1.9200+00	
22	467.19	2.6746+01	4.2860+00	1.2704-02	4.2860+00	1.2704-02	5.6059-03	1.6115-01	2.4986+05	3.2459-03	8.7000-01	
23	466.48	2.4506+01	3.9373+00	1.1664-02	3.9373+00	1.1664-02	5.1471-03	1.4796-01	2.2941+05	2.9802-03	1.2590+00	
24	469.24	2.2654+01	3.6913+00	1.0957-02	3.6913+00	1.0957-02	4.8350-03	1.3899-01	2.1550+05	2.7999-03	1.6500+00	
25	466.90	1.5522+01	2.5560+00	7.5743-03	2.5560+00	7.5743-03	3.3423-03	9.6083-02	1.4897+05	1.9353-03	1.7720+00	
26	468.99	2.5512+00	4.3205-01	1.2823-03	4.3205-01	1.2823-03	5.6582-04	1.6266-02	2.5220+04	3.2765-04	1.9200+00	
27	463.94	2.0649+00	3.4852-01	1.0306-03	3.4852-01	1.0306-03	4.5479-04	1.3074-02	2.0271+04	2.6330-04	3.0250+00	
28	470.73	1.7844+00	3.0255-01	8.9903-04	3.0255-01	8.9903-04	3.9672-04	1.1405-02	1.7682+04	2.2975-04	3.4150+00	
29	471.51	3.3677+01	5.3454+00	1.5893-02	5.3454+00	1.5893-02	7.0130-03	2.0160-01	3.1258+05	4.0615-03	8.7000-01	
30	469.84	2.3640+01	3.7950+00	1.1270-02	3.7950+00	1.1270-02	4.9730-03	1.4296-01	2.2165+05	2.8798-03	1.2590+00	
31	477.86	3.0577+01	4.9804+00	1.4875-02	4.9804+00	1.4875-02	6.5640-03	1.8870-01	2.9257+05	3.8026-03	1.6500+00	
32	474.37	1.8525+01	3.0657+00	9.1335-03	3.0657+00	9.1335-03	4.0304-03	1.1586-01	1.7964+05	2.3344-03	1.7720+00	
33	475.58	2.4504+00	4.0958-01	1.2213-03	4.0958-01	1.2213-03	5.3893-04	1.5493-02	2.4021+04	3.1217-04	2.2400+00	
34	470.86	1.4275+00	2.3852-01	7.0883-04	2.3852-01	7.0883-04	3.1279-04	8.9917-03	1.3941+04	1.8114-04	3.0250+00	
35	491.06	4.9582+01	7.3739+00	2.2235-02	7.3739+00	2.2235-02	9.8117-03	2.8206-01	4.3732+05	5.6873-03	1.1570-01	
36	479.93	4.0932+01	6.3701+00	1.9054-02	6.3701+00	1.9054-02	8.4081-03	2.4171-01	3.7476+05	4.8713-03	1.2500+00	
37	477.74	4.1839+00	7.0436-01	2.1035-03	7.0436-01	2.1035-03	9.2824-04	2.6684-02	4.1373+04	5.3773-04	1.9200+00	
38	480.64	5.1714+00	8.8002-01	2.6336-03	8.8002-01	2.6336-03	1.1621-03	3.3409-02	5.1799+04	6.7332-04	2.2400+00	
39	469.27	4.5543+00	7.8046-01	2.3167-03	7.8046-01	2.3167-03	1.0223-03	2.9388-02	4.5566+04	5.9200-04	3.0250+00	
40	471.78	2.3335+00	3.9708-01	1.1808-03	3.9708-01	1.1808-03	5.2107-04	1.4979-02	2.3225+04	3.0177-04	3.4150+00	
41	516.61	9.2280+01	1.5128+01	4.6480-02	1.5128+01	4.6480-02	2.0510-02	5.8961-01	9.1417+05	1.1903-02	8.7000-01	
42	510.85	8.5467+01	1.4221+01	4.3508-02	1.4221+01	4.3508-02	1.9199-02	5.5192-01	8.5572+05	1.1139-02	1.2590+00	
43	496.57	5.7409+01	9.4948+00	2.8745-02	9.4948+00	2.8745-02	1.2684-02	3.6464-01	5.6536+05	7.3543-03	1.6500+00	
44	485.43	3.1441+01	5.2096+00	1.5645-02	5.2096+00	1.5645-02	6.9037-03	1.9846-01	3.0771+05	4.0007-03	1.7720+00	
45	484.70	1.6634+00	2.8048-01	8.4186-04	2.8048-01	8.4186-04	3.7149-04	1.0679-02	1.6558+04	2.1527-04	2.2400+00	
46	475.33	2.7553+00	4.6860-01	1.3970-03	4.6860-01	1.3970-03	6.1647-04	1.7722-02	2.7477+04	3.5708-04	3.0250+00	
47	469.15	2.5539+01	4.0094+00	1.1901-02	4.0094+00	1.1901-02	5.2514-03	1.5096-01	2.3406+05	3.0410-03	8.7000-01	
48	463.03	2.0207+01	3.2490+00	9.6016-03	3.2490+00	9.6016-03	4.2369-03	1.2180-01	1.8885+05	2.4528-03	1.2590+00	
49	474.84	3.2088+01	5.2960+00	1.5783-02	5.2960+00	1.5783-02	6.9648-03	2.0022-01	3.1043+05	4.0342-03	1.6500+00	
50	473.17	2.0125+01	3.3178+00	9.8759-03	3.3178+00	9.8759-03	4.3580-03	1.2528-01	1.9424+05	2.5241-03	1.7720+00	
51	473.50	2.6738+00	4.5019-01	1.3404-03	4.5019-01	1.3404-03	5.9149-04	1.7004-02	2.6363+04	3.4258-04	1.9200+00	
52	482.02	2.6306+00	4.4281-01	1.3265-03	4.4281-01	1.3265-03	5.8535-04	1.6827-02	2.6090+04	3.3916-04	2.2400+00	
53	476.91	2.1190+00	3.5548-01	1.0610-03	3.5548-01	1.0610-03	4.6819-04	1.3459-02	2.0868+04	2.7121-04	2.6360+00	
54	471.17	1.5797+00	2.6401-01	7.8475-04	2.6401-01	7.8475-04	3.4629-04	9.9548-03	1.5435+04	2.0055-04	3.0250+00	
55	467.63	1.1106+00	1.8662-01	5.5392-04	1.8682-01	5.5392-04	2.4443-04	7.0266-03	1.0895+04	1.4153-04	3.4150+00	
56	495.50	6.2352+01	9.2999+00	2.8133-02	9.2999+00	2.8133-02	1.2414-02	3.5688-01	5.5333+05	7.1974-03	1.1570-01	
57	472.02	3.4858+01	5.5174+00	1.6410-02	5.5174+00	1.6410-02	7.2413-03	2.0817-01	3.2276+05	4.1938-03	2.5000-01	
58	463.09	2.5714+01	4.0713+00	1.2032-02	4.0713+00	1.2032-02	5.3094-03	1.5263-01	2.3665+05	3.0737-03	4.8300-01	
59	462.33	2.3396+01	3.7023+00	1.0936-02	3.7023+00	1.0936-02	4.8257-03	1.3872-01	2.1509+05	2.7936-03	8.7000-01	
60	470.23	2.1184+00	3.3912-01	1.0073-03	3.3912-01	1.0073-03	4.4451-04	1.2778-02	1.9812+04	2.5742-04	1.2590+00	
61	456.84	1.6468+01	2.6205+00	7.7104-03	2.6205+00	7.7104-03	3.4024-03	9.7809-02	1.5165+05	1.9692-03	1.6500+00	
62	457.21	1.1658+01	1.9300+00	5.6802-03	1.9300+00	5.6802-03	2.5065-03	7.2056-02	1.1172+05	1.4507-03	1.7720+00	
63	474.19	9.5273-01	1.6238-01	4.8372-04	1.6238-01	4.8372-04	2.1345-04	6.1361-03	9.5138+03	1.2363-04	2.2400+00	
64	469.80	1.4499+00	2.4711-01	7.3381-04	2.4711-01	7.3381-04	3.2381-04	9.3086-03	1.4433+04	1.8752-04	3.0250+00	
65	494.29	6.1080+01	9.1030+00	2.7513-02	9.1030+00	2.7513-02	1.2141-02	3.4902-01	5.4114+05	7.0385-03	1.1570-01	
66	470.47	3.3295+01	5.1160+00	1.5200-02	5.1160+00	1.5200-02	6.7071-03	1.9281-01	2.9895+05	3.8842-03	2.5000-01	
67	459.86	2.5942+01	4.0984+00	1.2085-02	4.0984+00	1.2085-02	5.3326-03	1.5330-01	2.3768+05	3.0867-03	4.8300-01	
68	452.92	2.0553+01	3.2317+00	9.4824-03	3.2317+00	9.4824-03	4.1843-03	1.2029-01	1.8650+05	2.4213-03	8.7000-01	
69	446.60	1.7599+01	2.8069+00	8.1994-03	2.8069+00	8.1994-03	3.6182-03	1.0401-01	1.6127+05	2.0931-03	1.2590+00	
70	443.92	1.6528+01	2.6633+00	7.7653-03	2.6633+00	7.7653-03	3.4266-03	9.8505-02	1.5273+05	1.9820-03	1.6500+00	
71	443.27	1.2012+01	1.9756+00	5.7577-03	1.9756+00	5.7577-03	2.5407-03	7.3039-02	1.1324+05	1.4696-03	1.7720+00	
72	443.39	1.8332+00	3.0333-01	8.8408-04	3.0333-01	8.8408-04	3.9012-04	1.1215-02	1.7388+04	2.2565-04	1.9200+00	
73	457.86	9.5376-01	1.6032-01	4.7205-04	1.6032-01	4.7205-04	2.0830-04	5.9881-03	9.2843+03	1.2056-04	2.2400+00	
74	472.42	6.6494-01	1.1287-01	3.3579-04	1.1287-01	3.3579-04	1.4818-04	4.2597-03	6.6044+03	8.5818-05	3.0250+00	
75	471.60	5.6623-01	9.6342-02	2.8646-04	9.6342-02	2.8646-04	1.2641-04	3.6338-03	5.6341+03	7.3207-05	3.4150+00	
76	460.37	2.1236+00	3.5129-01	1.0362-03	3.5129-01	1.0362-03	4.5725-04	1.3145-02	2.0380+04	2.6468-04	2.6360+00	
77	453.25	2.1392+00	3.5636-01	1.0459-03	3.5636-01	1.0459-03	4.6151-04	1.3267-02	2.0570+04	2.6706-04	3.0250+00	
78	454.62	2.1538+00	3.6017-01	1.0581-03	3.6017-01	1.0581-03	4.6690-04	1.3422-02	2.0810+04	2.7020-04	3.4150+00	
79	472.27	2.4893+00	4.2250-01	1.2569-03	4.2250-01	1.2569-03	5.5462-04	1.5944-02	2.4720+04	3.2121-04	2.2400+00	
80	461.23	2.4000+00	3.9724-01	1.1724-03	3.9724-01	1.1724-03	5.1737-04	1.4873-02	2.3060+04	2.9949-04	2.6360+00	
81	456.24	2.3501+00	3.8883-01	1.1436-03	3.8883-01	1.1436-03	5.0463-04	1.4507-02	2.2492+04	2.9205-04	3.0250+00	
82	458.93	2.2551+00	3.7711-01	1.1112-03	3.7711-01	1.1112-03	4.9035-04	1.4096-02	2.1856+04	2.8382-04	3.4150+00	
401	527.01	1.0026+02	8.7099+00	2.6968-02	8.7099+00	2.6968-02	1.1900-02	3.4210-01	5.3041+05	6.9093-03	4.4500-01	
403	523.63	8.3257+01	7.2176+00	2.2291-02	7.2176+00	2.2291-02	9.8364-03	2.8277-01	4.3842+05	5.7102-03	6.8600-01	
404	521.74	7.5576+01	6.5440+00	2.0182-02	6.5440+00	2.0182-02	8.9059-03	2.5602-01	3.9695+05	5.1695-03	8.0100-01	
405	529.16	9.9810+01	8.6823+00	2.6926-02	8.6823+00	2.6926-02	1.1882-02	3.4156-01	5.2958+05	6.8992-03	1.0510+00	
406	591.72	-2.0777-03	-1.8759-04	-6.1036-07	-1.8759-04	-6.1036-07	-2.6934-07	-7.7426-06	-1.2005+01	-1.5686-07	1.1670+00	
407	547.83	1.3107+02	1.1737+01	3.6916-02	1.1737+01	3.6916-02	1.6290-02	4.6829-01	7.2607+05	9.4672-03	1.2830+00	
408	506.93	7.1011+01	6.0916+00	1.8582-02	6.0916+00	1.8582-02	8.1999-03	2.3572-01	3.6548+05	4.7665-03	5.1300-01	
409	481.96	3.9250+01	3.3523+00	1.0042-02	3.3523+00	1.0042-02	4.4312-03	1.2739-01	1.9751+05	2.5675-03	5.7000-01	
410	491.58	4.5699+01	3.9276+00	1.1848-02	3.9276+00	1.1848-02	5.2281-03	1.5029-01	2.3302+05	3.0305-03	6.2800-01	
411	478.12	3.5471+01	3.0219+00	9.0272-03	3.0219+00	9.0272-03	3.9835-03	1.1451-01	1.7755+05	2.3077-03	6.8600-01	
412	496.47	5.3331+01	4.5982+00	1.3920-02	4.5982+00	1.3920-02	6.1424-03	1.7658-01	2.7378+05	3.5613-03	7.4400-01	
413	492.64	5.3687+01	4.6174+00	1.3939-02	4.6174+00	1.3939-02	6.1509-03	1.7682-01	2.7415+05	3.5656-03	8.0100-01	
414	500.73	5.2643+01	4.4981+00	1.3659-02	4.4981+00	1.3659-02	6.0274-03	1.7327-01	2.6865+05	3.4953-03	8.5900-01	
415	490.19	4.2464+01	3.6250+00	1.0924-02	3.6250+00	1.0924-02	4.8203-03	1.3857-01	2.1485+05	2.7940-03	9.1700-01	
416	500.53	5.3482+01	4.5151+00	1.3709-02	4.5151+00	1.3709-02	6.0493-03	1.7390-01	2.6963+05	3.5080-03	5.7000-01	
417	521.82	8.6965+01	7.6196+00	2.3501-02	7.6196+00	2.3501-02	1.0370-02	2.9812-01	4.6222+05	6.0196-03	1.0520+00	

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157 4 6.87 -5.13 .00 -.00 404 2 2.10 10.13 753.5 1788.7

8.67570+01 1.57463-02 1.13116+00 4.62351+03 1.52278-05 7.02732-08 8.40526-02 7.72000+00 7.29192-06 7.43987-02

1	584.73	1.4509+02	2.5322+01	8.1850-02	2.5322+01	8.1850-02	3.6133-02	1.0383+00	1.6087+06	2.1033-02	.0000+00
2	530.29	8.6558+01	1.3108+01	4.0642-02	1.3108+01	4.0642-02	1.7942-02	5.1556-01	7.9880+05	1.0417-02	1.1570-01
3	495.80	5.1261+01	8.2413+00	2.4911-02	8.2413+00	2.4911-02	1.0997-02	3.1600-01	4.8960+05	6.3745-03	2.5000-01
4	483.62	4.0730+01	6.5372+00	1.9586-02	6.5372+00	1.9586-02	8.6465-03	2.4846-01	3.8495+05	5.0093-03	4.8300-01
5	473.77	3.2070+01	5.0980+00	1.5167-02	5.0980+00	1.5167-02	6.6954-03	1.9239-01	2.9809+05	3.8772-03	8.7000-01
6	469.39	2.7503+01	4.4411+00	1.3171-02	4.4411+00	1.3171-02	5.8143-03	1.6708-01	2.5886+05	3.3663-03	1.2590+00
7	469.89	2.4181+01	3.8939+00	1.1552-02	3.8939+00	1.1552-02	5.0998-03	1.4654-01	2.2705+05	2.9527-03	1.6500+00
8	467.59	1.7202+01	2.8680+00	8.4946-03	2.8680+00	8.4946-03	3.7500-03	1.0776-01	1.6696+05	2.1710-03	1.7720+00
9	461.48	3.1423+00	5.2949-01	1.5615-03	5.2949-01	1.5615-03	6.8933-04	1.9808-02	3.0690+04	3.9896-04	1.9200+00
10	467.15	2.4722+00	4.2183-01	1.2490-03	4.2183-01	1.2490-03	5.5139-04	1.5844-02	2.4549+04	3.1921-04	2.2400+00
11	460.26	2.3288+00	3.9897-01	1.1756-03	3.9897-01	1.1756-03	5.1896-04	1.4912-02	2.3105+04	3.0034-04	2.6360+00
12	458.03	2.3719+00	4.0458-01	1.1902-03	4.0458-01	1.1902-03	5.2543-04	1.5098-02	2.3393+04	3.0405-04	3.0250+00
13	463.05	2.3060+00	3.9466-01	1.1652-03	3.9466-01	1.1652-03	5.1437-04	1.4781-02	2.2901+04	2.9772-04	3.4150+00
14	538.16	8.4646+01	1.2924+01	4.0310-02	1.2924+01	4.0310-02	1.7795-02	5.1135-01	7.9227+05	1.0335-02	1.1570-01
15	491.81	4.6715+01	7.5381+00	2.2719-02	7.5381+00	2.2719-02	1.0029-02	2.8820-01	4.4653+05	5.8127-03	2.5000-01
16	480.96	3.7671+01	5.9793+00	1.7880-02	5.9793+00	1.7880-02	7.8934-03	2.2682-01	3.5143+05	4.5725-03	4.8300-01
17	472.14	2.7564+01	4.3906+00	1.3047-02	4.3906+00	1.3047-02	5.7596-03	1.6550-01	2.5643+05	3.3350-03	8.7000-01
18	470.16	2.6043+01	4.1815+00	1.2408-02	4.1815+00	1.2408-02	5.4776-03	1.5740-01	2.4387+05	3.1715-03	1.2590+00
19	470.36	2.2776+01	3.6913+00	1.0955-02	3.6913+00	1.0955-02	4.8361-03	1.3897-01	2.1531+05	2.8001-03	1.6500+00
20	464.27	1.2817+01	2.1448+00	6.3377-03	2.1448+00	6.3377-03	2.7978-03	8.0396-02	1.2456+05	1.6195-03	1.7720+00
21	474.54	2.8419+01	4.4776+00	1.3328-02	4.4776+00	1.3328-02	5.8838-03	1.6907-01	2.6196+05	3.4074-03	1.9200+00
22	473.76	2.6223+01	4.2207+00	1.2556-02	4.2207+00	1.2556-02	5.5431-03	1.5928-01	2.4679+05	3.2099-03	2.2400+00
23	472.47	2.4006+01	3.8724+00	1.1510-02	3.8724+00	1.1510-02	5.0810-03	1.4601-01	2.2622+05	2.9422-03	2.6360+00
24	474.86	2.2467+01	3.6746+00	1.0940-02	3.6746+00	1.0940-02	4.8297-03	1.3878-01	2.1503+05	2.7969-03	3.0250+00
25	470.67	1.5248+01	2.5171+00	7.4719-03	2.5171+00	7.4719-03	3.2985-03	9.4784-02	1.4685+05	1.9099-03	3.4150+00
26	469.61	2.5044+00	4.2431-01	1.2586-03	4.2431-01	1.2586-03	5.5560-04	1.5965-02	2.4736+04	3.2168-04	1.9200+00
27	464.47	2.0426+00	3.4488-01	1.0192-03	3.4488-01	1.0192-03	4.4994-04	1.2929-02	2.0032+04	2.6044-04	2.2400+00
28	471.18	1.7875+00	3.0317-01	9.0026-04	3.0317-01	9.0026-04	3.9742-04	1.1420-02	1.7694+04	2.3012-04	2.6360+00
29	480.38	3.6965+01	5.9019+00	1.7641-02	5.9019+00	1.7641-02	7.7879-03	2.2379-01	3.4673+05	4.5112-03	3.0250+00
30	475.89	2.4834+01	4.0027+00	1.1926-02	4.0027+00	1.1926-02	5.2648-03	1.5129-01	2.3440+05	3.0491-03	3.4150+00
31	485.45	3.0127+01	4.9318+00	1.4796-02	4.9318+00	1.4796-02	6.5316-03	1.8769-01	2.9080+05	3.7844-03	1.9200+00
32	479.06	1.8609+01	3.0892+00	9.2253-03	3.0892+00	9.2253-03	4.0726-03	1.1703-01	1.8132+05	2.3589-03	2.2400+00
33	476.21	2.4442+00	4.0862-01	1.2178-03	4.0862-01	1.2178-03	5.3759-04	1.5448-02	2.3934+04	3.1135-04	2.6360+00
34	471.15	1.1330+00	1.8934-01	5.6224-04	1.8934-01	5.6224-04	2.4820-04	7.1322-03	1.1050+04	1.4371-04	3.0250+00
35	503.44	4.8866+01	7.3258+00	2.2267-02	7.3258+00	2.2267-02	9.8300-03	2.8247-01	4.3764+05	5.7001-03	1.1570-01
36	490.18	4.0816+01	6.3947+00	1.9250-02	6.3947+00	1.9250-02	8.4982-03	2.4420-01	3.7835+05	4.9248-03	1.2500+00
37	478.79	4.2192+00	7.1079-01	2.1222-03	7.1079-01	2.1222-03	9.3687-04	2.6921-02	4.1711+04	5.4265-04	1.9200+00
38	481.93	5.1465+00	8.7651-01	2.6229-03	8.7651-01	2.6229-03	1.1579-03	3.3273-02	5.1552+04	6.7077-04	2.2400+00
39	470.37	4.4691+00	7.6641-01	2.2745-03	7.6641-01	2.2745-03	1.0041-03	2.8853-02	4.4704+04	5.8137-04	3.0250+00
40	472.33	2.2592+00	3.8458-01	1.1429-03	3.8458-01	1.1429-03	5.0456-04	1.4499-02	2.2464+04	2.9216-04	3.4150+00
41	538.51	8.3948+01	1.3951+01	4.3523-02	1.3951+01	4.3523-02	1.9213-02	5.5210-01	8.5540+05	1.1159-02	1.1570-01
42	531.53	8.1138+01	1.3677+01	4.2445-02	1.3677+01	4.2445-02	1.8738-02	5.3843-01	8.3422+05	1.0879-02	1.2590+00
43	510.74	5.6535+01	9.4353+00	2.8834-02	9.4353+00	2.8834-02	1.2729-02	3.6576-01	5.6670+05	7.3834-03	1.6500+00
44	493.31	3.1505+01	5.2473+00	1.5832-02	5.2473+00	1.5832-02	6.9891-03	2.0083-01	3.1117+05	4.0509-03	1.7720+00
45	485.10	1.6301+00	2.7495-01	8.2465-04	2.7495-01	8.2465-04	3.6405-04	1.0461-02	1.6208+04	2.1092-04	2.2400+00
46	476.04	2.8068+00	4.7757-01	1.4231-03	4.7757-01	1.4231-03	6.2822-04	1.8052-02	2.7969+04	3.6383-04	3.0250+00
47	475.43	2.5184+01	3.9703+00	1.1826-02	3.9703+00	1.1826-02	5.2205-03	1.5001-01	2.3242+05	3.0233-03	8.7000-01
48	468.23	2.1443+01	3.4597+00	1.0252-02	3.4597+00	1.0252-02	4.5258-03	1.3005-01	2.0150+05	2.6202-03	1.2590+00
49	482.75	3.1475+01	5.2219+00	1.5636-02	5.2219+00	1.5636-02	6.9024-03	1.9834-01	3.0731+05	3.9987-03	1.6500+00
50	478.06	1.9448+01	3.2166+00	9.5988-03	3.2166+00	9.5988-03	4.2374-03	1.2176-01	1.8866+05	2.4543-03	1.7720+00
51	474.14	2.7268+00	4.5931-01	1.3668-03	4.5931-01	1.3668-03	6.0338-04	1.7338-02	2.6864+04	3.4942-04	1.9200+00
52	482.65	2.5413+00	4.2794-01	1.2813-03	4.2794-01	1.2813-03	5.6562-04	1.6253-02	2.5182+04	3.2767-04	2.2400+00
53	477.41	2.0265+00	3.4008-01	1.0144-03	3.4008-01	1.0144-03	4.4780-04	1.2868-02	1.9937+04	2.5935-04	2.6360+00
54	471.54	1.5273+00	2.5530-01	7.5832-04	2.5530-01	7.5832-04	3.3476-04	9.6195-03	1.4904+04	1.9384-04	3.0250+00
55	467.88	1.0727+00	1.8047-01	5.3465-04	1.8047-01	5.3465-04	2.3603-04	6.7823-03	1.0508+04	1.3664-04	3.4150+00
56	511.25	6.3181+01	9.5189+00	2.9100-02	9.5189+00	2.9100-02	1.2846-02	3.6914-01	5.7194+05	7.4518-03	1.1570-01
57	480.73	3.4920+01	5.5593+00	1.6622-02	5.5593+00	1.6622-02	7.3377-03	2.1085-01	3.2668+05	4.2505-03	2.5000-01
58	469.57	2.5733+01	4.0920+00	1.2137-02	4.0920+00	1.2137-02	5.3580-03	1.5396-01	2.3855+05	3.1022-03	4.8300-01
59	468.19	2.3163+01	3.6799+00	1.0904-02	3.6799+00	1.0904-02	4.8137-03	1.3832-01	2.1431+05	2.7868-03	8.7000-01
60	470.78	2.1455+00	3.4357-01	1.0199-03	3.4357-01	1.0199-03	4.5025-04	1.2938-02	2.0046+04	2.6070-04	1.2590+00
61	460.89	1.6372+01	2.6125+00	7.7011-03	2.6125+00	7.7011-03	3.3997-03	9.7691-02	1.5136+05	1.9676-03	1.6500+00
62	459.93	1.0969+01	1.8194+00	5.3597-03	1.8194+00	5.3597-03	2.3661-03	6.7990-02	1.0534+05	1.3693-03	1.7720+00
63	474.41	9.1636-01	1.5621-01	4.6493-04	1.5621-01	4.6493-04	2.0524-04	5.8978-03	9.1378+03	1.1886-04	2.2400+00
64	470.13	1.4016+00	2.3893-01	7.0897-04	2.3893-01	7.0897-04	3.1298-04	8.9935-03	1.3934+04	1.8121-04	3.0250+00
65	509.76	6.2010+01	9.3337+00	2.8502-02	9.3337+00	2.8502-02	1.2583-02	3.6156-01	5.6020+05	7.2983-03	1.1570-01
66	478.82	3.3386+01	5.1586+00	1.5402-02	5.1586+00	1.5402-02	6.7995-03	1.9539-01	3.0272+05	3.9384-03	2.5000-01
67	466.45	2.6269+01	4.1685+00	1.2337-02	4.1685+00	1.2337-02	5.4460-03	1.5649-01	2.4247+05	3.1527-03	4.8300-01
68	458.04	2.0574+01	3.2463+00	9.5501-03	3.2463+00	9.5501-03	4.2160-03	1.2115-01	1.8770+05	2.4397-03	8.7000-01
69	450.87	1.7241+01	2.7577+00	8.0719-03	2.7577+00	8.0719-03	3.5634-03	1.0240-01	1.5865+05	2.0614-03	1.2590+00
70	447.82	1.5651+01	2.5287+00	7.3859-03	2.5287+00	7.3859-03	3.2606-03	9.3693-02	1.4517+05	1.8860-03	1.6500+00
71	446.10	1.1414+01	1.8810+00	5.4872-03	1.8810+00	5.4872-03	2.4224-03	6.9608-02	1.0785+05	1.4010-03	1.7720+00
72	443.83	1.8613+00	3.0806-01	8.9728-04	3.0806-01	8.9728-04	3.9611-04	1.1382-02	1.7635+04	2.2908-04	1.9200+00
73	458.08	8.9610-01	1.5065-01	4.4320-04	1.5065-01	4.4320-04	1.9565-04	5.6222-03	8.7108+03	1.1322-04	2.2400+00
74	472.58	5.9844-01	1.0159-01	3.0198-04	1.0159-01	3.0198-04	1.3331-04	3.8307-03	5.9351+03	7.7194-05	3.0250+00
75	471.71	4.8000-01	8.1675-02	2.4263-04	8.1675-02	2.4263-04	1.0711-04	3.0778-03	4.7686+03	6.2019-05	3.4150+00
76	460.90	2.1642+00	3.5813-01	1.0557-03	3.5813-01	1.0557-03	4.6604-04	1.3392-02	2.0749+04	2.6972-04	2.6360+00
77	453.78	2.1694+00	3.6151-01	1.0603-03	3.6151-01	1.0603-03	4.6808-04	1.3451-02	2.0840+04	2.7082-04	3.0250+00
78	455.15	2.1735+00	3.6361-01	1.0675-03	3.6361-01	1.0675-03	4.7125-04	1.3542-02	2.0981+04	2.7267-04	3.4150+00
79	472.87	2.4478+00	4.1562-01	1.2357-03	4.1562-01	1.2357-03	5.4549-04	1.5675-02	2.4286+04	3.1587-04	2.2400+00
80	461.81	2.3662+00	3.9181-01	1.1557-03	3.9181-01	1.1557-03	5.1020-04	1.4661-02	2.2715+04	2.9529-04	2.6360+00
81	456.82	2.3662+00	3.9165-01	1.1512-03	3.9165-01	1.1512-03	5.0820-04	1.4603-02	2.2626+04	2.9407-04	3.0250+00
82	459.49	2.2634+00	3.7864-01	1.1151-03	3.7864-01	1.1151-03	4.9225-04	1.4145-02	2.1916+04	2.8487-04	3.4150+00
401	552.77	1.0219+02	9.0179+00	2.8439-02	9.0179+00	2.8439-02	1.2555-02	3.6076-01	5.5895+05	7.2968-03	4.4500-01
403	543.65	7.7609+01	6.8114+00	2.1333-02	6.8114+00	2.1333-02	9.4174-03	2.7061-01	4.1928+05	5.4710-03	6.8600-01
404	539.59	6.9581+01	6.0916+00	1.9020-02	6.0916+00	1.9020-02	8.3965-03	2.4127-01	3.7382+05	4.8770-03	8.0100-01
405	553.59	9.4296+01	8.3257+00	2.6273-02	8.3257+00	2.6273-02	1.1598-02	3.3328-01	5.1637+05	6.7412-03	1.0510+00
406	591.71	-2.5969-03	-2.3447-04	-7.6206-07	-2.3447-04	-7.6206-07	-3.3642-07	-9.6670-06	-1.4978+01	-1.9589-07	1.1670+00
407	579.51	1.2370+02	1.1287+01	3.6335-02	1.1287+01	3.6335-02	1.6040-02	4.6092-01	7.1414+05	9.3345-03	1.2830+00
408	524.48	7.1157+01	6.1719+00	1.9054-02	6.1719+00	1.9054-02	8.4114-03	2.4170-01	3.7449+05	4.8822-03	5.1300-01
409	491.89	4.1340+01	3.5537+00	1.0711-02	3.5537+00	1.0711-02	4.7285-03	1.3588-01	2.1052+05	2.7405-03	5.7000-01
410	503.60	4.9207+01	4.2621+00	1.2956-02	4.2621+00	1.2956-02	5.7197-03	1.6436-01	2.5465+05	3.3167-03	6.2800-01
411	487.99	4.0624+01	3.4833+00	1.0469-02	3.4833+00	1.0469-02	4.6218-03	1.3281-01	2.0577+05	2.6781-03	6.8600-01
412	510.12	5.5217+01	4.8024+00	1.4669-02	4.8024+00	1.4669-02	6.4758-03	1.8608-01	2.8831+05	3.7562-03	7.4400-01
413	506.29	5.4008+01	4.6860+00	1.4273-02	4.6860+00	1.4273-02	6.3010-03	1.8106-01	2.8053+05	3.6542-03	8.0100-01
414	513.78	5.2576+01	4.5298+00	1.3874-02	4.5298+00	1.3874-02	6.1246-03	1.7599-01	2.7268+05	3.5531-03	8.5900-01
415	500.89	4.2622+01	3.6638+00	1.1115-02	3.6638+00	1.1115-02	4.9070-03	1.4100-01	2.1847+05	2.8451-03	9.1700-01
416	514.10	5.5097+01	4.6917+00	1.4373-02	4.6917+00	1.4373-02	6.3450-03	1.8233-01	2.8249+05	3.6811-03	5.7000-01
417	544.10	8.9667+01	7.9648+00	2.4953-02	7.9648+00	2.4953-02	1.1016-02	3.1654-01	4.9044+05	6.3998-03	1.0520+00

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157 4 6.87 -5.13 .00 -.00 404 2 2.35 10.13 753.5 1788.5

8.67480+01 1.57466-02 1.13118+00 4.62327+03 1.52296-05 7.02658-08 8.40672-02 7.72000+00 7.29106-06 7.43997-02

1	620.15	1.3824+02	2.4614+01	8.1831-02	2.4614+01	8.1831-02	3.6122-02	1.0381+00	1.6085+06	2.1067-02	.0000+00
2	551.79	8.5385+01	1.3101+01	4.1284-02	1.3101+01	4.1284-02	1.8224-02	5.2371-01	8.1151+05	1.0593-02	1.1570-01
3	508.56	5.0490+01	8.1840+00	2.4969-02	8.1840+00	2.4969-02	1.1022-02	3.1675-01	4.9081+05	6.3941-03	2.5000-01
4	493.70	4.0236+01	6.5005+00	1.9619-02	6.5005+00	1.9619-02	8.6603-03	2.4887-01	3.8564+05	5.0206-03	4.8300-01
5	481.72	3.1673+01	5.0614+00	1.5144-02	5.0614+00	1.5144-02	6.6848-03	1.9210-01	2.9767+05	3.8732-03	8.7000-01
6	476.23	2.7338+01	4.4346+00	1.3216-02	4.4346+00	1.3216-02	5.8339-03	1.6765-01	2.5978+05	3.3794-03	1.2590+00
7	475.93	2.4070+01	3.8917+00	1.1596-02	3.8917+00	1.1596-02	5.1186-03	1.4709-01	2.2793+05	2.9650-03	1.6500+00
8	471.89	1.7020+01	2.8458+00	8.4548-03	2.8458+00	8.4548-03	3.7322-03	1.0725-01	1.6619+05	2.1615-03	1.7720+00
9	462.27	3.2353+00	5.4545-01	1.6095-03	5.4545-01	1.6095-03	7.1046-04	2.0417-02	3.1637+04	4.1129-04	1.9200+00
10	467.78	2.4987+00	4.2653-01	1.2635-03	4.2653-01	1.2635-03	5.5775-04	1.6028-02	2.4836+04	3.2296-04	2.2400+00
11	460.83	2.3709+00	4.0633-01	1.1977-03	4.0633-01	1.1977-03	5.2872-04	1.5194-02	2.3544+04	3.0606-04	2.6360+00
12	458.61	2.3049+00	3.9330-01	1.1575-03	3.9330-01	1.1575-03	5.1096-04	1.4683-02	2.2753+04	2.9574-04	3.0250+00
13	463.63	2.2784+00	3.9010-01	1.1522-03	3.9010-01	1.1522-03	5.0860-04	1.4616-02	2.2648+04	2.9445-04	3.4150+00
14	559.18	8.3435+01	1.2902+01	4.0888-02	1.2902+01	4.0888-02	1.8049-02	5.1868-01	8.0372+05	1.0496-02	1.1570-01
15	503.42	4.6312+01	7.5292+00	2.2885-02	7.5292+00	2.2885-02	1.0102-02	2.9031-01	4.4984+05	5.8590-03	2.5000-01
16	490.31	3.7202+01	5.9410+00	1.7886-02	5.9410+00	1.7886-02	7.8955-03	2.2689-01	3.5158+05	4.5765-03	4.8300-01
17	478.98	2.7300+01	4.3684+00	1.3045-02	4.3684+00	1.3045-02	5.7582-03	1.6548-01	2.5641+05	3.3360-03	8.7000-01
18	476.68	2.5986+01	4.1907+00	1.2493-02	4.1907+00	1.2493-02	5.5148-03	1.5848-01	2.4557+05	3.1946-03	1.2590+00
19	476.03	2.2636+01	3.6826+00	1.0974-02	3.6826+00	1.0974-02	4.8440-03	1.3920-01	2.1570+05	2.8059-03	1.6500+00
20	467.49	1.2971+01	2.1753+00	6.4426-03	2.1753+00	6.4426-03	2.8439-03	8.1727-02	1.2664+05	1.6467-03	1.7720+00
21	481.62	2.8402+01	4.4959+00	1.3451-02	4.4959+00	1.3451-02	5.9375-03	1.7063-01	2.6440+05	3.4402-03	4.8300-01
22	480.27	2.5914+01	4.1888+00	1.2520-02	4.1888+00	1.2520-02	5.5266-03	1.5882-01	2.4610+05	3.2020-03	8.7000-01
23	478.45	2.3851+01	3.8627+00	1.1530-02	3.8627+00	1.1530-02	5.0896-03	1.4626-01	2.2664+05	2.9485-03	1.2590+00
24	480.47	2.2353+01	3.6695+00	1.0969-02	3.6695+00	1.0969-02	4.8421-03	1.3915-01	2.1562+05	2.8054-03	1.6500+00
25	474.46	1.5157+01	2.5085+00	7.4666-03	2.5085+00	7.4666-03	3.2959-03	9.4717-02	1.4677+05	1.9091-03	1.7720+00
26	470.24	2.6083+00	4.4210-01	1.3119-03	4.4210-01	1.3119-03	5.7912-04	1.6642-02	2.5788+04	3.3537-04	1.9200+00
27	464.97	1.9756+00	3.3367-01	9.8647-04	3.3367-01	9.8647-04	4.3545-04	1.2514-02	1.9391+04	2.5211-04	3.0250+00
28	471.62	1.7766+00	3.0141-01	8.9531-04	3.0141-01	8.9531-04	3.9521-04	1.1357-02	1.7599+04	2.2888-04	3.4150+00
29	490.11	3.9532+01	6.3521+00	1.9121-02	6.3521+00	1.9121-02	8.4405-03	2.4256-01	3.7586+05	4.8924-03	8.7000-01
30	482.36	2.5673+01	4.1557+00	1.2440-02	4.1557+00	1.2440-02	5.4911-03	1.5780-01	2.4452+05	3.1817-03	1.2590+00
31	492.90	2.9927+01	4.9229+00	1.4849-02	4.9229+00	1.4849-02	6.5547-03	1.8836-01	2.9188+05	3.7998-03	1.6500+00
32	483.72	1.8533+01	3.0860+00	9.2466-03	3.0860+00	9.2466-03	4.0817-03	1.1730-01	1.8176+05	2.3652-03	1.7720+00
33	476.82	2.4816+00	4.1504-01	1.2374-03	4.1504-01	1.2374-03	5.4624-04	1.5697-02	2.4324+04	3.1643-04	2.2400+00
34	471.42	1.1834+00	1.9780-01	5.8747-04	1.9780-01	5.8747-04	2.5932-04	7.4523-03	1.1548+04	1.5018-04	3.0250+00
35	515.57	4.7690+01	7.2047+00	2.2095-02	7.2047+00	2.2095-02	9.7535-03	2.8029-01	4.3432+05	5.6600-03	1.1570-01
37	500.35	4.0611+01	6.4046+00	1.9423-02	6.4046+00	1.9423-02	8.5740-03	2.4639-01	3.8180+05	4.9720-03	1.2500+00
38	479.83	4.2135+00	7.1032-01	2.1224-03	7.1032-01	2.1224-03	9.3688-04	2.6923-02	4.1719+04	5.4279-04	1.9200+00
39	483.21	5.1003+00	8.6938-01	2.6040-03	8.6938-01	2.6040-03	1.1495-03	3.3032-02	5.1185+04	6.6605-04	2.2400+00
40	471.47	4.3345+00	7.4389-01	2.2094-03	7.4389-01	2.2094-03	9.7529-04	2.8027-02	4.3430+04	5.6483-04	3.0250+00
41	472.91	2.3299+00	3.9676-01	1.1796-03	3.9676-01	1.1796-03	5.2072-04	1.4964-02	2.3188+04	3.0159-04	3.4150+00
42	558.41	7.6638+01	1.2890+01	4.0825-02	1.2890+01	4.0825-02	1.8021-02	5.1788-01	8.0247+05	1.0479-02	8.7000-01
43	551.33	7.7770+01	1.3268+01	4.1797-02	1.3268+01	4.1797-02	1.8450-02	5.3021-01	8.2159+05	1.0725-02	1.2590+00
44	524.79	5.6062+01	9.4394+00	2.9147-02	9.4394+00	2.9147-02	1.2866-02	3.6975-01	5.7294+05	7.4697-03	1.6500+00
45	501.20	3.1584+01	5.2871+00	1.6044-02	5.2871+00	1.6044-02	7.0824-03	2.0353-01	3.1538+05	4.1072-03	1.7720+00
46	485.51	1.6899+00	2.8510-01	8.5536-04	2.8510-01	8.5536-04	3.7758-04	1.0851-02	1.6814+04	2.1881-04	2.2400+00
47	476.72	2.7953+00	4.7584-01	1.4186-03	4.7584-01	1.4186-03	6.2621-04	1.7996-02	2.7885+04	3.6275-04	3.0250+00
48	481.81	2.5630+01	4.0575+00	1.2141-02	4.0575+00	1.2141-02	5.3593-03	1.5401-01	2.3865+05	3.1052-03	8.7000-01
49	473.77	2.2539+01	3.6500+00	1.0859-02	3.6500+00	1.0859-02	4.7933-03	1.3775-01	2.1345+05	2.7763-03	1.2590+00
50	490.57	3.1137+01	5.1923+00	1.5635-02	5.1923+00	1.5635-02	6.9017-03	1.9834-01	3.0733+05	4.0005-03	1.6500+00
51	482.88	1.9106+01	3.1702+00	9.4931-03	3.1702+00	9.4931-03	4.1905-03	1.2042-01	1.8660+05	2.4281-03	1.7720+00
52	474.84	2.8140+00	4.7423-01	1.4119-03	4.7423-01	1.4119-03	6.2325-04	1.7911-02	2.7753+04	3.6100-04	1.9200+00
53	483.26	2.4681+00	4.1578-01	1.2454-03	4.1578-01	1.2454-03	5.4975-04	1.5798-02	2.4480+04	3.1855-04	2.2400+00
54	477.90	2.0218+00	3.3940-01	1.0127-03	3.3940-01	1.0127-03	4.4704-04	1.2847-02	1.9906+04	2.5897-04	2.6360+00
55	471.93	1.5003+00	2.5085-01	7.4530-04	2.5085-01	7.4530-04	3.2900-04	9.4545-03	1.4650+04	1.9054-04	3.0250+00
56	468.15	1.0421+00	1.7535-01	5.1957-04	1.7535-01	5.1957-04	2.2935-04	6.5910-03	1.0213+04	1.3281-04	3.4150+00
57	527.14	6.3585+01	9.6756+00	2.9930-02	9.6756+00	2.9930-02	1.3212-02	3.7967-01	5.8831+05	7.6709-03	1.1570-01
58	489.47	3.4870+01	5.5832+00	1.6799-02	5.5832+00	1.6799-02	7.4153-03	2.1310-01	3.3020+05	4.2980-03	2.5000-01
59	475.98	2.5401+01	4.0564+00	1.2087-02	4.0564+00	1.2087-02	5.3354-03	1.5333-01	2.3759+05	3.0906-03	4.8300-01
60	473.91	2.2872+01	3.6475+00	1.0852-02	3.6475+00	1.0852-02	4.7905-03	1.3767-01	2.1332+05	2.7747-03	8.7000-01
61	471.31	2.1345+00	3.4194-01	1.0155-03	3.4194-01	1.0155-03	4.4826-04	1.2882-02	1.9961+04	2.5960-04	1.2590+00
62	464.97	1.6257+01	2.6012+00	7.6901-03	2.6012+00	7.6901-03	3.3946-03	9.7552-02	1.5116+05	1.9654-03	1.6500+00
63	462.64	1.0896+01	1.8106+00	5.3439-03	1.8106+00	5.3439-03	2.3589-03	6.7790-02	1.0504+05	1.3656-03	1.7720+00
64	474.64	8.5610-01	1.4596-01	4.3449-04	1.4596-01	4.3449-04	1.9179-04	5.5116-03	8.5405+03	1.1109-04	2.2400+00
65	470.50	1.4914+00	2.5431-01	7.5481-04	2.5431-01	7.5481-04	3.3319-04	9.5750-03	1.4837+04	1.9296-04	3.0250+00
66	525.34	6.2447+01	9.4918+00	2.9322-02	9.4918+00	2.9322-02	1.2943-02	3.7196-01	5.7636+05	7.5145-03	1.1570-01
67	487.18	3.3281+01	5.1707+00	1.5532-02	5.1707+00	1.5532-02	6.8561-03	1.9703-01	3.0530+05	3.9735-03	2.5000-01
68	473.01	2.6207+01	4.1769+00	1.2419-02	4.1769+00	1.2419-02	5.4822-03	1.5754-01	2.4412+05	3.1752-03	4.8300-01
69	463.23	2.0742+01	3.2844+00	9.6979-03	3.2844+00	9.6979-03	4.2809-03	1.2302-01	1.9063+05	2.4783-03	8.7000-01
70	455.12	1.7245+01	2.7665+00	8.1218-03	2.7665+00	8.1218-03	3.5852-03	1.0303-01	1.5965+05	2.0748-03	1.2590+00
71	451.66	1.5446+01	2.5022+00	7.3281-03	2.5022+00	7.3281-03	3.2348-03	9.2959-02	1.4404+05	1.8717-03	1.6500+00
72	448.91	1.0948+01	1.8076+00	5.2836-03	1.8076+00	5.2836-03	2.3323-03	6.7024-02	1.0386+05	1.3494-03	1.7720+00
73	444.32	1.9138+00	3.1685-01	9.2320-04	3.1685-01	9.2320-04	4.0752-04	1.1711-02	1.8147+04	2.3573-04	1.9200+00
74	458.30	8.9247-01	1.5006-01	4.4154-04	1.5006-01	4.4154-04	1.9491-04	5.6011-03	8.6792+03	1.1281-04	2.2400+00
75	472.73	7.3195-01	1.2427-01	3.6942-04	1.2427-01	3.6942-04	1.6307-04	4.6863-03	7.2616+03	9.4447-05	3.0250+00
76	471.81	4.9091-01	8.3538-02	2.4818-04	8.3538-02	2.4818-04	1.0955-04	3.1482-03	4.8783+03	6.3447-05	3.4150+00
77	461.44	2.1751+00	3.6006-01	1.0618-03	3.6006-01	1.0618-03	4.6871-04	1.3470-02	2.0872+04	2.7133-04	2.6360+00
78	454.33	2.1979+00	3.6641-01	1.0751-03	3.6641-01	1.0751-03	4.7458-04	1.3638-02	2.1133+04	2.7464-04	3.0250+00
79	455.69	2.2156+00	3.7078-01	1.0890-03	3.7078-01	1.0890-03	4.8071-04	1.3814-02	2.1406+04	2.7820-04	3.4150+00
80	473.45	2.3439+00	3.9813-01	1.1842-03	3.9813-01	1.1842-03	5.2272-04	1.5022-02	2.3277+04	3.0276-04	2.2400+00
81	462.39	2.3564+00	3.9033-01	1.1518-03	3.9033-01	1.1518-03	5.0845-04	1.4611-02	2.2641+04	2.9434-04	2.6360+00
82	457.41	2.3766+00	3.9352-01	1.1572-03	3.9352-01	1.1572-03	5.1081-04	1.4679-02	2.2746+04	2.9565-04	3.0250+00
83	460.07	2.2743+00	3.8062-01	1.1213-03	3.8062-01	1.1213-03	4.9499-04	1.4225-02	2.2042+04	2.8652-04	3.4150+00
401	578.48	1.6157+02	9.1005+00	2.9274-02	9.1005+00	2.9274-02	1.2922-02	3.7135-01	5.7542+05	7.5211-03	4.4500-01
403	562.34	7.2780+01	6.4596+00	2.0521-02	6.4596+00	2.0521-02	9.0584-03	2.6031-01	4.0337+05	5.2682-03	6.8600-01
404	556.30	6.5217+01	5.7676+00	1.8238-02	5.7676+00	1.8238-02	8.0507-03	2.3135-01	3.5850+05	4.6808-03	8.0100-01
405	576.24	8.7426+01	7.8232+00	2.5121-02	7.8232+00	2.5121-02	1.1089-02	3.1867-01	4.9379+05	6.4535-03	1.0510+00
406	591.71	-3.6346-03	-3.2815-04	-1.0665-06	-3.2815-04	-1.0665-06	-4.7080-07	-1.3530-05	-2.0965+01	-2.7420-07	1.1670+00
407	609.57	1.1744+02	1.0901+01	3.5934-02	1.0901+01	3.5934-02	1.5862-02	4.5584-01	7.0635+05	9.2465-03	1.2830+00
408	542.41	7.7271+01	6.3380+00	1.9831-02	6.3380+00	1.9831-02	8.7541-03	2.5157-01	3.8982+05	5.0844-03	5.1300-01
409	502.54	4.3725+01	3.7847+00	1.1496-02	3.7847+00	1.1496-02	5.0747-03	1.4583-01	2.2598+05	2.9431-03	5.7000-01
410	516.35	5.1564+01	4.5025+00	1.3816-02	4.5025+00	1.3816-02	6.0988-03	1.7526-01	2.7158+05	3.5393-03	6.2800-01
411	498.71	4.3609+01	3.7654+00	1.1406-02	3.7654+00	1.1406-02	5.0348-03	1.4469-01	2.2420+05	2.9194-03	6.8600-01
412	524.19	5.6550+01	4.9621+00	1.5315-02	4.9621+00	1.5315-02	6.7606-03	1.9428-01	3.0105+05	3.9248-03	7.4400-01
413	519.74	5.3538+01	4.6847+00	1.4412-02	4.6847+00	1.4412-02	6.3617-03	1.8282-01	2.8328+05	3.6924-03	8.0100-01
414	527.61	5.2806+01	4.5874+00	1.4189-02	4.5874+00	1.4189-02	6.2633-03	1.7999-01	2.7891+05	3.6366-03	8.5900-01
415	511.54	4.2569+01	3.6841+00	1.1265-02	3.6841+00	1.1265-02	4.9726-03	1.4290-01	2.2143+05	2.8851-03	9.1700-01
416	528.10	5.6754+01	4.8753+00	1.5092-02	4.8753+00	1.5092-02	6.6618-03	1.9144-01	2.9665+05	3.8681-03	5.7000-01
417	566.89	9.0419+01	8.1420+00	2.5956-02	8.1420+00	2.5956-02	1.1458-02	3.2927-01	5.1021+05	6.6651-03	1.0520+00

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157 4 6.87 -5.13 .00 -.00 404 2 2.60 10.13 753.5 1789.7

8.68114+01 1.57447-02 1.13105+00 4.62496+03 1.52167-05 7.03172-0d 8.39654-02 7.72000+00 7.29708-06 7.43926-02

1	653.88	1.3124+02	2.3798+01	8.1386-02	2.3798+01	8.1386-02	3.5943-02	1.0324+00	1.5984+06	2.0953-02	.0000+00	
2	573.00	8.4059+01	1.3061+01	4.1860-02	1.3061+01	4.1860-02	1.8487-02	5.3101-01	8.2214+05	1.0735-02	1.1570-01	
3	521.03	4.9812+01	8.1378+00	2.5073-02	8.1378+00	2.5073-02	1.1073-02	3.1807-01	4.9245+05	6.4146-03	2.5000-01	
4	503.73	3.9809+01	6.4731+00	1.9691-02	6.4731+00	1.9691-02	8.6964-03	2.4979-01	3.8674+05	5.0337-03	4.8300-01	
5	489.59	3.1397+01	5.0433+00	1.5184-02	5.0433+00	1.5184-02	6.7060-03	1.9262-01	2.9822+05	3.8792-03	8.7000-01	
6	483.06	2.7154+01	4.4246+00	1.3259-02	4.4246+00	1.3259-02	5.8556-03	1.6819-01	2.6041+05	3.3863-03	1.2590+00	
7	481.92	2.3856+01	3.8723+00	1.1594-02	3.8723+00	1.1594-02	5.1205-03	1.4708-01	2.2772+05	2.9610-03	1.6500+00	
8	476.12	1.6836+01	2.8229+00	8.4170-03	2.8229+00	8.4170-03	3.7173-03	1.0677-01	1.6531+05	2.1490-03	1.7720+00	
9	463.10	3.3039+00	5.5732-01	1.6464-03	5.5732-01	1.6464-03	7.2711-04	2.0885-02	3.2336+04	4.2012-04	1.9200+00	
10	468.41	2.4582+00	4.1979-01	1.2448-03	4.1979-01	1.2448-03	5.4975-04	1.5791-02	2.4448+04	3.1772-04	2.2400+00	
11	461.40	2.4125+00	4.1361-01	1.2204-03	4.1361-01	1.2204-03	5.3897-04	1.5481-02	2.3969+04	3.1139-04	2.6360+00	
12	459.17	2.3044+00	3.9336-01	1.1588-03	3.9336-01	1.1588-03	5.1177-04	1.4700-02	2.2759+04	2.9565-04	3.0250+00	
13	464.20	2.3309+00	3.9924-01	1.1803-03	3.9924-01	1.1803-03	5.2127-04	1.4973-02	2.3182+04	3.0120-04	3.4150+00	
14	579.91	8.2156+01	1.2860+01	4.1439-02	1.2860+01	4.1439-02	1.8301-02	5.2567-01	8.1387+05	1.0630-02	1.1570-01	
15	514.97	4.5951+01	7.5254+00	2.3083-02	7.5254+00	2.3083-02	1.0194-02	2.9281-01	4.5335+05	5.9037-03	2.5000-01	
16	499.55	3.6753+01	5.9045+00	1.7907-02	5.9045+00	1.7907-02	7.9082-03	2.2715-01	3.5169+05	4.5767-03	4.8300-01	
17	485.77	2.7153+01	4.3642+00	1.3104-02	4.3642+00	1.3104-02	5.7870-03	1.6622-01	2.5736+05	3.3470-03	8.7000-01	
18	483.16	2.5896+01	4.1939+00	1.2568-02	4.1939+00	1.2568-02	5.5507-03	1.5943-01	2.4685+05	3.2100-03	1.2590+00	
19	481.66	2.2492+01	3.6728+00	1.0995-02	3.6728+00	1.0995-02	4.8558-03	1.3948-01	2.1595+05	2.8080-03	1.6500+00	
20	470.74	1.3019+01	2.1881+00	6.4991-03	2.1881+00	6.4991-03	2.8703-03	8.2444-02	1.2765+05	1.6590-03	1.7720+00	
21	488.72	2.8567+01	4.5431+00	1.3670-02	4.5431+00	1.3670-02	6.0371-03	1.7341-01	2.6848+05	3.4921-03	1.9200+00	
22	486.72	2.5639+01	4.1620+00	1.2505-02	4.1620+00	1.2505-02	5.5227-03	1.5863-01	2.4560+05	3.1943-03	2.2400+00	
23	484.39	2.3687+01	3.8511+00	1.1551-02	3.8511+00	1.1551-02	5.1015-03	1.4653-01	2.2687+05	2.9504-03	2.6360+00	
24	486.06	2.2196+01	3.6571+00	1.0983-02	3.6571+00	1.0983-02	4.8504-03	1.3932-01	2.1570+05	2.8053-03	3.0250+00	
25	478.26	1.5058+01	2.4983+00	7.4606-03	2.4983+00	7.4606-03	3.2949-03	9.4641-02	1.4653+05	1.9056-03	3.4150+00	
26	470.91	2.7008+00	4.5797-01	1.3605-03	4.5797-01	1.3605-03	6.0083-04	1.7258-02	2.6720+04	3.4727-04	1.9200+00	
27	465.46	2.0514+00	3.4660-01	1.0256-03	3.4660-01	1.0256-03	4.5295-04	1.3010-02	2.0143+04	2.6174-04	2.2400+00	
28	472.06	1.7912+00	3.0396-01	9.0370-04	3.0396-01	9.0370-04	3.9911-04	1.1464-02	1.7749+04	2.3069-04	2.6360+00	
29	500.28	4.1105+01	6.6485+00	2.0174-02	6.6485+00	2.0174-02	8.9094-03	2.5591-01	3.9622+05	5.1563-03	3.0250+00	
30	488.79	2.5878+01	4.2066+00	1.2658-02	4.2066+00	1.2658-02	5.5902-03	1.6057-01	2.4861+05	3.2336-03	3.4150+00	
31	500.35	2.9861+01	4.9357+00	1.4977-02	4.9357+00	1.4977-02	6.6145-03	1.8999-01	2.9416+05	3.8281-03	1.9200+00	
32	488.31	1.8372+01	3.0684+00	9.2297-03	3.0684+00	9.2297-03	4.0762-03	1.1708-01	1.8128+05	2.3578-03	2.2400+00	
33	477.40	2.4249+00	4.0573-01	1.2109-03	4.0573-01	1.2109-03	5.3477-04	1.5361-02	2.3782+04	3.0918-04	2.6360+00	
34	471.70	1.2140+00	2.0296-01	6.0326-04	2.0296-01	6.0326-04	2.6642-04	7.6525-03	1.1848+04	1.5399-04	3.0250+00	
35	527.29	4.6391+01	7.0599+00	2.1854-02	7.0599+00	2.1854-02	9.6515-03	2.7723-01	4.2922+05	5.5925-03	1.1570-01	
36	510.48	4.0381+01	6.4096+00	1.9595-02	6.4096+00	1.9595-02	8.6539-03	2.4857-01	3.8485+05	5.0107-03	1.2500+00	
37	480.89	4.2177+00	7.1152-01	2.1288-03	7.1152-01	2.1288-03	9.4017-04	2.7005-02	4.1811+04	5.4365-04	1.9200+00	
38	484.47	5.0223+00	8.5680-01	2.5701-03	8.5680-01	2.5701-03	1.1351-03	3.2603-02	5.0478+04	6.5645-04	2.2400+00	
39	472.54	4.2452+00	7.2907-01	2.1683-03	7.2907-01	2.1683-03	9.5761-04	2.7506-02	4.2586+04	5.5353-04	3.0250+00	
40	473.49	2.3345+00	3.9771-01	1.1836-03	3.9771-01	1.1836-03	5.2273-04	1.5015-02	2.3247+04	3.0217-04	3.4150+00	
41	576.67	7.0702+01	1.2020+01	3.8634-02	1.2020+01	3.8634-02	1.7062-02	4.9009-01	7.5879+05	9.9092-03	8.7000-01	
42	570.39	7.4419+01	1.2841+01	4.1073-02	1.2841+01	4.1073-02	1.8139-02	5.2103-01	8.0669+05	1.0532-02	1.2590+00	
43	538.79	5.5469+01	9.4204+00	2.9413-02	9.4204+00	2.9413-02	1.2990-02	3.7312-01	5.7768+05	7.5309-03	1.6500+00	
44	509.11	3.1446+01	5.2967+00	1.6158-02	5.2967+00	1.6158-02	7.1359-03	2.0497-01	3.1735+05	4.1315-03	1.7720+00	
45	485.97	1.7553+00	2.9623-01	8.8957-04	2.9623-01	8.8957-04	3.9287-04	1.1284-02	1.7471+04	2.2722-04	2.2400+00	
46	477.43	2.8779+00	4.9013-01	1.4628-03	4.9013-01	1.4628-03	6.4603-04	1.8556-02	2.8730+04	3.7351-04	3.0250+00	
47	488.26	2.5871+01	4.1130+00	1.2372-02	4.1130+00	1.2372-02	5.4637-03	1.5674-01	2.4298+05	3.1604-03	8.7000-01	
48	479.53	2.3329+01	3.7924+00	1.1336-02	3.7924+00	1.1336-02	5.0062-03	1.4380-01	2.2264+05	2.8947-03	1.2590+00	
49	498.32	3.0653+01	5.1374+00	1.5566-02	5.1374+00	1.5566-02	6.8746-03	1.9746-01	3.0572+05	3.9783-03	1.6500+00	
50	487.62	1.8755+01	3.1215+00	9.3849-03	3.1215+00	9.3849-03	4.1447-03	1.1905-01	1.8432+05	2.3974-03	1.7720+00	
51	475.55	2.8753+00	4.8479-01	1.4449-03	4.8479-01	1.4449-03	6.3812-04	1.8329-02	2.8378+04	3.6890-04	1.9200+00	
52	483.87	2.4151+00	4.0701-01	1.2204-03	4.0701-01	1.2204-03	5.3896-04	1.5481-02	2.3969+04	3.1169-04	2.2400+00	
53	478.40	2.0229+00	3.3969-01	1.0145-03	3.3969-01	1.0145-03	4.4805-04	1.2869-02	1.9925+04	2.5905-04	2.6360+00	
54	472.30	1.4265+00	2.3858-01	7.0942-04	2.3858-01	7.0942-04	3.1331-04	8.9992-03	1.3933+04	1.8110-04	3.0250+00	
55	468.40	1.0608+00	1.7853-01	5.2938-04	1.7853-01	5.2938-04	2.3380-04	6.7154-03	1.0397+04	1.3512-04	3.4150+00	
56	543.10	6.3758+01	9.7975+00	3.0690-02	9.7975+00	3.0690-02	1.3554-02	3.8932-01	6.0277+05	7.8595-03	1.1570-01	
57	498.17	3.4718+01	5.5903+00	1.6937-02	5.5903+00	1.6937-02	7.4799-03	2.1485-01	3.3264+05	4.3285-03	2.5000-01	
58	482.30	2.5121+01	4.0285+00	1.2065-02	4.0285+00	1.2065-02	5.3285-03	1.5305-01	2.3697+05	3.0814-03	4.8300-01	
59	479.60	2.2659+01	3.6272+00	1.0842-02	3.6272+00	1.0842-02	4.7883-03	1.3754-01	2.1295+05	2.7687-03	8.7000-01	
60	471.84	2.1532+00	3.4506-01	1.0257-03	3.4506-01	1.0257-03	4.5299-04	1.3012-02	2.0145+04	2.6184-04	1.2590+00	
61	469.01	1.6207+01	2.6003+00	7.7139-03	2.6003+00	7.7139-03	3.4067-03	9.7854-02	1.5150+05	1.9689-03	1.6500+00	
62	465.34	1.0822+01	1.8015+00	5.3304-03	1.8015+00	5.3304-03	2.3541-03	6.7618-02	1.0469+05	1.3603-03	1.7720+00	
63	474.84	8.6702-01	1.4784-01	4.4040-04	1.4784-01	4.4040-04	1.9450-04	5.5867-03	8.6497+03	1.1244-04	2.2400+00	
64	470.87	1.5132+00	2.5810-01	7.6669-04	2.5810-01	7.6669-04	3.3860-04	9.7257-03	1.5058+04	1.9571-04	3.0250+00	
65	541.00	6.2682+01	9.6199+00	3.0086-02	9.6199+00	3.0086-02	1.3287-02	3.8166-01	5.9090+05	7.7040-03	1.1570-01	
66	495.48	3.3121+01	5.1735+00	1.5643-02	5.1735+00	1.5643-02	6.9087-03	1.9844-01	3.0724+05	3.9975-03	2.5000-01	
67	479.57	2.6090+01	4.1764+00	1.2484-02	4.1764+00	1.2484-02	5.5133-03	1.5836-01	2.4519+05	3.1878-03	4.8300-01	
68	468.40	2.0616+01	3.2757+00	9.7135-03	3.2757+00	9.7135-03	4.2898-03	1.2322-01	1.9078+05	2.4792-03	8.7000-01	
69	459.43	1.7325+01	2.7874+00	8.2131-03	2.7874+00	8.2131-03	3.6272-03	1.0419-01	1.6131+05	2.0954-03	1.2590+00	
70	455.49	1.5424+01	2.5052+00	7.3609-03	2.5052+00	7.3609-03	3.2508-03	9.3375-02	1.4457+05	1.8777-03	1.6500+00	
71	451.56	1.0658+01	1.7629+00	5.1655-03	1.7629+00	5.1655-03	2.2813-03	6.5527-02	1.0145+05	1.3174-03	1.7720+00	
72	444.80	1.9252+00	3.1885-01	9.2985-04	3.1885-01	9.2985-04	4.1066-04	1.1796-02	1.8263+04	2.3709-04	1.9200+00	
73	458.53	8.5714-01	1.4414-01	4.2444-04	1.4414-01	4.2444-04	1.8745-04	5.3842-03	8.3361+03	1.0828-04	2.2400+00	
74	472.94	5.9740-01	1.0144-01	3.0177-04	1.0144-01	3.0177-04	1.3327-04	3.8281-03	5.9269+03	7.7038-05	3.0250+00	
75	471.93	5.4026-01	9.1944-02	2.7333-04	9.1944-02	2.7333-04	1.2071-04	3.4673-03	5.3683+03	6.9774-05	3.4150+00	
76	461.97	2.1797+00	3.6097-01	1.0655-03	3.6097-01	1.0655-03	4.7056-04	1.3516-02	2.0926+04	2.7187-04	2.6360+00	
77	454.88	2.1719+00	3.6221-01	1.0638-03	3.6221-01	1.0638-03	4.6982-04	1.3495-02	2.0894+04	2.7136-04	3.0250+00	
78	456.26	2.2229+00	3.7214-01	1.0940-03	3.7214-01	1.0940-03	4.8317-04	1.3878-02	2.1487+04	2.7909-04	3.4150+00	
79	474.06	2.4571+00	4.1754-01	1.2431-03	4.1754-01	1.2431-03	5.4902-04	1.5770-02	2.4416+04	3.1737-04	2.2400+00	
80	463.00	2.3891+00	3.9591-01	1.1695-03	3.9591-01	1.1695-03	5.1649-04	1.4835-02	2.2969+04	2.9842-04	2.6360+00	
81	458.02	2.4156+00	4.0014-01	1.1778-03	4.0014-01	1.1778-03	5.2017-04	1.4941-02	2.3133+04	3.0049-04	3.0250+00	
82	460.65	2.2831+00	3.8224-01	1.1272-03	3.8224-01	1.1272-03	4.9783-04	1.4299-02	2.2139+04	2.8761-04	3.4150+00	
83	603.72	9.9554+01	9.0498+00	2.9713-02	9.0498+00	2.9713-02	1.3122-02	3.7692-01	5.8357+05	7.6308-03	4.4500-01	
401	579.95	6.8673+01	6.1584+00	1.9845-02	6.1584+00	1.9845-02	8.7641-03	2.5174-01	3.8976+05	5.0907-03	6.6600-01	
403	572.09	6.1678+01	5.5058+00	1.7634-02	5.5058+00	1.7634-02	7.7878-03	2.2369-01	3.4634+05	4.5219-03	8.0130-01	
404	597.35	8.0559+01	7.2968+00	2.3837-02	7.2968+00	2.3837-02	1.0527-02	3.0238-01	4.6816+05	6.1198-03	1.0510+00	
405	591.70	-3.6343-03	-3.2813-04	-1.0671-06	-3.2813-04	-1.0671-06	-4.7128-07	-1.3537-05	-2.0959+01	-2.7390-07	1.1670+00	
406	638.19	1.1145+02	1.0509+01	3.5476-02	1.0509+01	3.5476-02	1.5667-02	4.5002-01	6.9676+05	9.1261-03	1.2830+00	
407	560.65	7.3100+01	6.4815+00	2.0576-02	6.4815+00	2.0576-02	9.0873-03	2.6102-01	4.0413+05	5.2737-03	5.1300-01	
408	513.81	4.5966+01	4.0072+00	1.2281-02	4.0072+00	1.2281-02	5.4236-03	1.5579-01	2.4120+05	3.1408-03	5.7000-01	
409	529.53	5.3060+01	4.6713+00	1.4484-02	4.6713+00	1.4484-02	6.3967-03	1.8374-01	2.8447+05	3.7069-03	6.2800-01	
410	509.95	4.5532+01	3.9597+00	1.2101-02	3.9597+00	1.2101-02	5.3441-03	1.5350-01	2.3766+05	3.0942-03	6.8600-01	
411	538.47	5.7112+01	5.0557+00	1.5782-02	5.0557+00	1.5782-02	6.9698-03	2.0020-01	3.0996+05	4.0407-03	7.4400-01	
412	533.06	5.2963+01	4.6729+00	1.4528-02	4.6729+00	1.4528-02	6.4159-03	1.8429-01	2.8533+05	3.7187-03	8.0100-01	
413	540.26	5.2747+01	4.6198+00	1.4440-02	4.6198+00	1.4440-02	6.3774-03	1.8318-01	2.8361+05	3.6975-03	8.5900-01	
414	522.17	4.2526+01	3.7050+00	1.1425-02	3.7050+00	1.1425-02	5.0458-03	1.4493-01	2.2439+05	2.9231-03	9.1700-01	
415	542.47	5.8131+01	5.0379+00	1.5774-02	5.0379+00	1.5774-02	6.9662-03	2.0009-01	3.0980+05	4.0394-03	9.7000-01	
416	589.54	8.9278+01	8.1458+00	2.6447-02	8.1458+00	2.6447-02	1.1680-02	3.3549-01	5.1942+05	6.7874-03	1.0520+00	

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157 4 6.87 -5.13 .00 -.00 404 2 3.10 10.13 753.5 1769.0

8.67751+01 1.57458-02 1.13112+00 4.62400+03 1.52241-05 7.02878-08 8.40236-02 7.72000+00 7.29364-06 7.43967-02

1	715.99	1.1721+02	2.1936+01	7.9121-02	2.1936+01	7.9121-02	3.4933-02	1.0037+00	1.5547+06	2.0444-02	.0000+00
2	614.29	8.0933+01	1.2875+01	4.2637-02	1.2875+01	4.2637-02	1.8825-02	5.4066-01	8.3779+05	1.0960-02	1.1570-01
3	545.74	4.8957+01	8.1207+00	2.5493-02	8.1207+00	2.5493-02	1.1255-02	3.2338-01	5.0092+05	6.5318-03	2.5000-01
4	523.40	3.8961+01	6.4144+00	1.9801-02	6.4144+00	1.9801-02	8.7426-03	2.5119-01	3.8909+05	5.0683-03	4.8300-01
5	505.18	3.0936+01	5.0193+00	1.5287-02	5.0193+00	1.5287-02	6.7496-03	1.9393-01	3.0039+05	3.9097-03	8.7000-01
6	496.52	2.6822+01	4.4069+00	1.3343-02	4.4089+00	1.3343-02	5.8913-03	1.6926-01	2.6219+05	3.4112-03	1.2590+00
7	493.78	2.3592+01	3.8592+00	1.1656-02	3.8592+00	1.1656-02	5.1465-03	1.4787-01	2.2904+05	2.9796-03	1.6500+00
8	484.45	1.6550+01	2.7903+00	8.3710-03	2.7903+00	8.3710-03	3.6959-03	1.0619-01	1.6443+05	2.1389-03	1.7720+00
9	464.76	3.4068+00	5.7532-01	1.7018-03	5.7532-01	1.7018-03	7.5138-04	2.1588-02	3.3440+04	4.3445-04	1.9200+00
10	469.61	2.5283+00	4.3212-01	1.2826-03	4.3212-01	1.2826-03	5.6631-04	1.6271-02	2.5203+04	3.2752-04	2.2400+00
11	462.58	2.4197+00	4.1519-01	1.2263-03	4.1519-01	1.2263-03	5.4141-04	1.5556-02	2.4096+04	3.1302-04	2.6360+00
12	460.33	2.3605+00	4.0325-01	1.1891-03	4.0325-01	1.1891-03	5.2500-04	1.5084-02	2.3365+04	3.0350-04	3.0250+00
13	465.36	2.3320+00	3.9973-01	1.1829-03	3.9973-01	1.1829-03	5.2228-04	1.5006-02	2.3244+04	3.0199-04	3.4150+00
14	620.29	7.9127+01	1.2672+01	4.2169-02	1.2672+01	4.2169-02	1.8618-02	5.3493-01	8.2860+05	1.0843-02	1.1570-01
15	537.75	4.5179+01	7.5043+00	2.3416-02	7.5043+00	2.3416-02	1.0338-02	2.9704-01	4.6011+05	5.9975-03	2.5000-01
16	517.73	3.5858+01	5.8276+00	1.7914-02	5.8276+00	1.7914-02	7.9094-03	2.2725-01	3.5201+05	4.5841-03	4.8300-01
17	499.28	2.6887+01	4.3595+00	1.3220-02	4.3595+00	1.3220-02	5.8370-03	1.6771-01	2.5978+05	3.3802-03	8.7000-01
18	496.05	2.5616+01	4.1835+00	1.2657-02	4.1835+00	1.2657-02	5.5881-03	1.6056-01	2.4870+05	3.2356-03	1.2590+00
19	492.85	2.2162+01	3.6453+00	1.1003-02	3.6453+00	1.1003-02	4.8580-03	1.3958-01	2.1621+05	2.8125-03	1.6500+00
20	477.24	1.3023+01	2.1982+00	6.5607-03	2.1982+00	6.5607-03	2.8967-03	8.3225-02	1.2892+05	1.6758-03	1.7720+00
21	503.14	2.9161+01	4.6808+00	1.4235-02	4.6808+00	1.4235-02	6.2850-03	1.8058-01	2.7971+05	3.6402-03	4.8300-01
22	499.36	2.4996+01	4.0911+00	1.2407-02	4.0911+00	1.2407-02	5.4779-03	1.5739-01	2.4379+05	3.1723-03	8.7000-01
23	496.13	2.3281+01	3.8141+00	1.1540-02	3.8141+00	1.1540-02	5.0951-03	1.4639-01	2.2676+05	2.9502-03	1.2590+00
24	497.04	2.1829+01	3.6223+00	1.0967-02	3.6223+00	1.0967-02	4.8421-03	1.3912-01	2.1550+05	2.8038-03	1.6500+00
25	485.70	1.4712+01	2.4529+00	7.3655-03	2.4529+00	7.3655-03	3.2520-03	9.3434-02	1.4473+05	1.8821-03	1.7720+00
26	472.26	2.7595+00	4.6835-01	1.3928-03	4.6835-01	1.3928-03	6.1496-04	1.7669-02	2.7369+04	3.5569-04	1.9200+00
27	466.53	2.1356+00	3.6107-01	1.0694-03	3.6107-01	1.0694-03	4.7217-04	1.3566-02	2.1014+04	2.7303-04	3.0250+00
28	472.95	1.8140+00	3.0803-01	9.1649-04	3.0803-01	9.1649-04	4.0465-04	1.1626-02	1.8009+04	2.3406-04	3.4150+00
29	521.38	4.2566+01	6.9773+00	2.1506-02	6.9773+00	2.1506-02	9.4954-03	2.7282-01	4.2259+05	5.5043-03	8.7000-01
30	501.89	2.6634+01	4.3662+00	1.3266-02	4.3662+00	1.3266-02	5.8572-03	1.6828-01	2.6067+05	3.3923-03	1.2590+00
31	515.33	2.9873+01	4.9849+00	1.5296-02	4.9849+00	1.5296-02	6.7536-03	1.9404-01	3.0057+05	3.9138-03	1.6500+00
32	497.47	1.8250+01	3.0661+00	9.2859-03	3.0661+00	9.2859-03	4.0999-03	1.1780-01	1.8246+05	2.3740-03	1.7720+00
33	478.68	2.6083+00	4.3678-01	1.3049-03	4.3678-01	1.3049-03	5.7615-04	1.6554-02	2.5642+04	3.3334-04	2.2400+00
34	472.40	1.4712+00	2.4606-01	7.3185-04	2.4606-01	7.3185-04	3.2312-04	9.2837-03	1.4380+04	1.8690-04	3.0250+00
35	549.94	4.4447+01	6.8584+00	2.1599-02	6.8584+00	2.1599-02	9.5362-03	2.7399-01	4.2441+05	5.5352-03	1.1570-01
36	530.56	3.9949+01	6.4212+00	1.9928-02	6.4212+00	1.9928-02	8.7987-03	2.5280-01	3.9158+05	5.1025-03	1.2500+00
37	483.03	4.3299+00	7.3148-01	2.1922-03	7.3148-01	2.1922-03	9.6791-04	2.7809-02	4.3077+04	5.6011-04	1.9200+00
38	486.98	5.0104+00	8.5617-01	2.5733-03	8.5617-01	2.5733-03	1.1361-03	3.2643-02	5.0564+04	6.5757-04	2.2400+00
39	474.68	4.1860+00	7.1993-01	2.1447-03	7.1993-01	2.1447-03	9.4692-04	2.7206-02	4.2143+04	5.4776-04	3.0250+00
40	474.65	2.3366+00	3.9837-01	1.1868-03	3.9837-01	1.1868-03	5.2397-04	1.5054-02	2.3319+04	3.0310-04	3.4150+00
41	609.53	6.1982+01	1.0737+01	3.5421-02	1.0737+01	3.5421-02	1.5639-02	4.4933-01	6.9602+05	9.1032-03	8.7000-01
42	605.86	6.7848+01	1.1948+01	3.9302-02	1.1948+01	3.9302-02	1.7353-02	4.9856-01	7.7227+05	1.0099-02	1.2590+00
43	566.07	5.3390+01	9.2171+00	2.9388-02	9.2171+00	2.9388-02	1.2975-02	3.7279-01	5.7746+05	7.5370-03	1.6500+00
44	524.70	3.0812+01	5.2350+00	1.6176-02	5.2350+00	1.6176-02	7.1420-03	2.0520-01	3.1785+05	4.1407-03	1.7720+00
45	486.85	1.7382+00	2.9351-01	8.8207-04	2.9351-01	8.8207-04	3.8945-04	1.1189-02	1.7332+04	2.2540-04	2.2400+00
46	478.89	2.9465+00	5.0229-01	1.5009-03	5.0229-01	1.5009-03	6.6267-04	1.9039-02	2.9492+04	3.8340-04	3.0250+00
47	501.13	2.5635+01	4.1097+00	1.2480-02	4.1097+00	1.2480-02	5.5099-03	1.5831-01	2.4522+05	3.1911-03	8.7000-01
48	491.47	2.4207+01	3.9661+00	1.1959-02	3.9661+00	1.1959-02	5.2802-03	1.5171-01	2.3499+05	3.0567-03	1.2590+00
49	513.39	2.9593+01	5.0076+00	1.5344-02	5.0076+00	1.5344-02	6.7746-03	1.9464-01	3.0150+05	3.9257-03	1.6500+00
50	496.87	1.8230+01	3.0524+00	9.2402-03	3.0524+00	9.2402-03	4.0797-03	1.1722-01	1.8157+05	2.3623-03	1.7720+00
51	476.99	2.9179+00	4.9244-01	1.4694-03	4.9244-01	1.4694-03	6.4878-04	1.8640-02	2.8874+04	3.7533-04	1.9200+00
52	485.05	2.3314+00	3.9322-01	1.1802-03	3.9322-01	1.1802-03	5.2108-04	1.4971-02	2.3190+04	3.0156-04	2.2400+00
53	479.42	1.9714+00	3.3127-01	9.9025-04	3.3127-01	9.9025-04	4.3721-04	1.2562-02	1.9458+04	2.5296-04	2.6360+00
54	472.99	1.4213+00	2.3782-01	7.0762-04	2.3782-01	7.0762-04	3.1242-04	8.9764-03	1.3904+04	1.8071-04	3.0250+00
55	468.95	1.1216+00	1.8883-01	5.6022-04	1.8883-01	5.6022-04	2.4735-04	7.1066-03	1.1008+04	1.4305-04	3.4150+00
56	574.98	6.3610+01	9.9621+00	3.1983-02	9.9621+00	3.1983-02	1.4121-02	4.0571-01	6.2845+05	8.2059-03	1.1570-01
57	515.41	3.4316+01	5.5865+00	1.7144-02	5.5865+00	1.7144-02	7.5692-03	2.1747-01	3.3686+05	4.3865-03	2.5000-01
58	494.67	2.4505+01	3.9616+00	1.1973-02	3.9616+00	1.1973-02	5.2865-03	1.5189-01	2.3527+05	3.0607-03	4.8300-01
59	490.85	2.2291+01	3.5947+00	1.0834-02	3.5947+00	1.0834-02	4.7835-03	1.3744-01	2.1289+05	2.7691-03	8.7000-01
60	472.95	2.2073+00	3.5398-01	1.0532-03	3.5398-01	1.0532-03	4.6501-04	1.3360-02	2.0695+04	2.6897-04	1.2590+00
61	477.08	1.5923+01	2.5684+00	7.6646-03	2.5684+00	7.6646-03	3.3841-03	9.7229-02	1.5061+05	1.9578-03	1.6500+00
62	470.74	1.0660+01	1.7810+00	5.2909-03	1.7810+00	5.2909-03	2.3360-03	6.7117-02	1.0396+05	1.3511-03	1.7720+00
63	475.29	9.1481-01	1.5603-01	4.6503-04	1.5603-01	4.6503-04	2.0532-04	5.8991-03	9.1377+03	1.1877-04	2.2400+00
64	471.65	1.5636+00	2.6683-01	7.9318-04	2.6683-01	7.9318-04	3.5020-04	1.0062-02	1.5586+04	2.0255-04	3.0250+00
65	572.42	6.2508+01	9.7750+00	3.1320-02	9.7750+00	3.1320-02	1.3828-02	3.9730-01	6.1542+05	8.0349-03	1.1570-01
66	511.97	3.2923+01	5.1971+00	1.5908-02	5.1971+00	1.5908-02	7.0236-03	2.0180-01	3.1259+05	4.0647-03	2.5000-01
67	492.50	2.5639+01	4.1390+00	1.2490-02	4.1390+00	1.2490-02	5.5145-03	1.5844-01	2.4542+05	3.1925-03	4.8300-01
68	478.64	2.0370+01	3.2587+00	9.7356-03	3.2587+00	9.7356-03	4.2984-03	1.2350-01	1.9130+05	2.4869-03	8.7000-01
69	468.12	1.7282+01	2.7967+00	8.2926-03	2.7967+00	8.2926-03	3.6613-03	1.0519-01	1.6295+05	2.1173-03	1.2590+00
70	463.32	1.5592+01	2.5459+00	7.5232-03	2.5459+00	7.5232-03	3.3216-03	9.5434-02	1.4783+05	1.9205-03	1.6500+00
71	456.88	1.0827+01	1.7974+00	5.2873-03	1.7974+00	5.2873-03	2.3344-03	6.7071-02	1.0389+05	1.3493-03	1.7720+00
72	445.75	1.9574+00	3.2440-01	9.4679-04	3.2440-01	9.4679-04	4.1802-04	1.2010-02	1.8604+04	2.4151-04	1.9200+00
73	458.97	8.8987-01	1.4969-01	4.4098-04	1.4969-01	4.4098-04	1.9470-04	5.5939-03	8.6650+03	1.1255-04	2.2400+00
74	473.22	5.6727-01	9.6341-02	2.8671-04	9.6341-02	2.8671-04	1.2659-04	3.6370-03	5.6337+03	7.3220-05	3.0250+00
75	472.20	5.1949-01	8.8424-02	2.6295-04	8.8424-02	2.6295-04	1.1610-04	3.3356-03	5.1669+03	6.7151-05	3.4150+00
76	463.07	2.2042+00	3.6528-01	1.0792-03	3.6528-01	1.0792-03	4.7649-04	1.3690-02	2.1206+04	2.7549-04	2.6360+00
77	455.95	2.3013+00	3.8406-01	1.1290-03	3.8406-01	1.1290-03	4.9847-04	1.4322-02	2.2185+04	2.8811-04	3.0250+00
78	457.33	2.1803+00	3.6528-01	1.0748-03	3.6528-01	1.0748-03	4.7456-04	1.3635-02	2.1120+04	2.7430-04	3.4150+00
79	475.31	2.5387+00	4.3175-01	1.2868-03	4.3175-01	1.2868-03	5.6814-04	1.6323-02	2.5285+04	3.2866-04	2.2400+00
80	464.17	2.3512+00	3.8993-01	1.1529-03	3.8993-01	1.1529-03	5.0905-04	1.4626-02	2.2655+04	2.9433-04	2.6360+00
81	459.20	2.3371+00	3.8746-01	1.1416-03	3.8746-01	1.1416-03	5.0404-04	1.4482-02	2.2432+04	2.9137-04	3.0250+00
82	461.78	2.2556+00	3.7792-01	1.1155-03	3.7792-01	1.1155-03	4.9253-04	1.4151-02	2.1920+04	2.8475-04	3.4150+00
401	652.19	9.3584+01	8.7354+00	2.9837-02	8.7354+00	2.9837-02	1.3174-02	3.7849-01	5.8629+05	7.6842-03	4.4500-01
403	612.44	6.2075+01	5.6704+00	1.8751-02	5.6704+00	1.8751-02	8.2787-03	2.3786-01	3.6844+05	4.8196-03	6.8600-01
404	601.38	5.6329+01	5.1137+00	1.6761-02	5.1137+00	1.6761-02	7.4003-03	2.1262-01	3.2935+05	4.3059-03	8.0100-01
405	633.84	6.8912+01	6.3695+00	2.1430-02	6.3695+00	2.1430-02	9.4616-03	2.7185-01	4.2109+05	5.5140-03	1.0510+00
406	591.71	-3.1150-03	-2.8124-04	-9.1479-07	-2.8124-04	-9.1479-07	-4.0390-07	-1.1604-05	-1.7975+01	-2.3490-07	1.1670+00
407	690.89	9.9621+01	9.6556+00	3.4075-02	9.6556+00	3.4075-02	1.5045-02	4.3226-01	6.6956+05	8.7930-03	1.2830+00
408	597.46	7.3582+01	6.6653+00	2.1779-02	6.6653+00	2.1779-02	9.6157-03	2.7627-01	4.2794+05	5.5939-03	5.1300-01
409	537.78	4.9383+01	4.3697+00	1.3635-02	4.3697+00	1.3635-02	6.0202-03	1.7297-01	2.6793+05	3.4924-03	5.7000-01
410	556.55	5.4615+01	4.8879+00	1.5471-02	4.8879+00	1.5471-02	6.8307-03	1.9625-01	3.0400+05	3.9660-03	6.2800-01
411	533.41	4.7558+01	4.1970+00	1.3053-02	4.1970+00	1.3053-02	5.7633-03	1.6559-01	2.5649+05	3.3427-03	6.8600-01
412	567.12	5.6898+01	5.1242+00	1.6351-02	5.1242+00	1.6351-02	7.2194-03	2.0742-01	3.2130+05	4.1938-03	7.4400-01
413	559.22	5.1710+01	4.6353+00	1.4701-02	4.6353+00	1.4701-02	6.4909-03	1.8649-01	2.8888+05	3.7692-03	8.0100-01
414	566.42	5.1706+01	4.6002+00	1.4671-02	4.6002+00	1.4671-02	6.4776-03	1.8611-01	2.8828+05	3.7628-03	8.5900-01
415	543.40	4.2416+01	3.7441+00	1.1733-02	3.7441+00	1.1733-02	5.1801-03	1.4883-01	2.3054+05	3.0059-03	9.1700-01
416	572.13	5.9957+01	5.2889+00	1.6942-02	5.2889+00	1.6942-02	7.4803-03	2.1492-01	3.3291+05	4.3464-03	5.7000-01
417	632.97	8.3160+01	7.7738+00	2.6136-02	7.7738+00	2.6136-02	1.1540-02	3.3155-01	5.1356+05	6.7246-03	1.0520+00

158 4 1.83 -10.17 .00 -.00 404 2 1.85 10.13 755.3 1779.9

8.62932+01 1.57950-02 1.13470+00 4.61121+03 1.53570-05 6.98975-08 8.49948-02 7.72000+00 7.24785-06 7.44508-02

1	543.76	1.4831+02	2.5264+01	7.9780-02	2.5264+01	7.9780-02	3.5016-02	1.0071+00	1.5776+06	2.0438-02	.0000+00
2	515.13	9.7427+01	1.4615+01	4.5168-02	1.4615+01	4.5168-02	1.9824-02	5.7020-01	8.9313+05	1.1555-02	1.1570-01
3	490.62	5.9819+01	9.5849+00	2.9091-02	9.5849+00	2.9091-02	1.2768-02	3.6725-01	5.7524+05	7.4343-03	2.5000-01
4	481.50	4.6844+01	7.5081+00	2.2637-02	7.5081+00	2.2637-02	9.9355-03	2.8577-01	4.4762+05	5.7825-03	4.8300-01
5	474.85	3.6930+01	5.8748+00	1.7628-02	5.8748+00	1.7628-02	7.7369-03	2.2253-01	3.4856+05	4.5016-03	8.7000-01
6	471.03	3.0731+01	4.9677+00	1.4865-02	4.9677+00	1.4865-02	6.5242-03	1.8765-01	2.9393+05	3.7954-03	1.2590+00
7	472.97	2.6891+01	4.3393+00	1.3003-02	4.3393+00	1.3003-02	5.7070-03	1.6415-01	2.5711+05	3.3202-03	1.6500+00
8	473.44	2.0211+01	3.3828+00	1.0140-02	3.3828+00	1.0140-02	4.4504-03	1.2800-01	2.0050+05	2.5893-03	1.7720+00
9	470.56	4.3886+00	7.4400-01	2.2255-03	7.4400-01	2.2255-03	9.7679-04	2.8095-02	4.4007+04	5.6822-04	1.9200+00
10	475.14	3.6410+00	6.2459-01	1.8745-03	6.2459-01	1.8745-03	8.2273-04	2.3664-02	3.7066+04	4.7870-04	2.2400+00
11	466.18	3.7366+00	6.4270-01	1.9165-03	6.4270-01	1.9165-03	8.4116-04	2.4194-02	3.7896+04	4.8922-04	2.6360+00
12	462.50	3.5896+00	6.1412-01	1.8264-03	6.1412-01	1.8264-03	8.0163-04	2.3057-02	3.6115+04	4.6616-04	3.0250+00
13	466.30	3.5397+00	6.0714-01	1.8106-03	6.0714-01	1.8106-03	7.9467-04	2.2857-02	3.5802+04	4.6219-04	3.4150+00
14	521.70	9.2141+01	1.3926+01	4.3251-02	1.3926+01	4.3251-02	1.8983-02	5.4600-01	8.5523+05	1.1068-02	1.1570-01
15	485.41	5.2152+01	8.3803+00	2.5338-02	8.3803+00	2.5338-02	1.1121-02	3.1987-01	5.0104+05	6.4738-03	2.5000-01
16	477.77	4.2062+01	6.6622+00	2.0033-02	6.6622+00	2.0033-02	8.7924-03	2.5289-01	3.9612+05	5.1164-03	4.8300-01
17	472.80	3.2835+01	5.2325+00	1.5677-02	5.2325+00	1.5677-02	6.8809-03	1.9791-01	3.1000+05	4.0032-03	8.7000-01
18	470.02	2.8951+01	4.6481+00	1.3898-02	4.6481+00	1.3898-02	6.1001-03	1.7545-01	2.7482+05	3.5485-03	1.2590+00
19	470.97	2.4588+01	3.9867+00	1.1929-02	3.9867+00	1.1929-02	5.2357-03	1.5059-01	2.3588+05	3.0458-03	1.6500+00
20	468.30	1.4095+01	2.3649+00	7.0626-03	2.3649+00	7.0626-03	3.0999-03	8.9159-02	1.3965+05	1.8031-03	1.7720+00
21	473.68	3.3018+01	5.1992+00	1.5587-02	5.1992+00	1.5587-02	6.8414-03	1.9677-01	3.0822+05	3.9803-03	4.8300-01
22	474.70	3.1592+01	5.0879+00	1.5265-02	5.0879+00	1.5265-02	6.6999-03	1.9270-01	3.0184+05	3.8982-03	8.7000-01
23	471.03	2.5840+01	4.1643+00	1.2461-02	4.1643+00	1.2461-02	5.4691-03	1.5730-01	2.4639+05	3.1816-03	1.2590+00
24	473.85	2.2736+01	3.7161+00	1.1142-02	3.7161+00	1.1142-02	4.8904-03	1.4066-01	2.2032+05	2.8453-03	1.6500+00
25	471.95	1.6239+01	2.6831+00	8.0338-03	2.6831+00	8.0338-03	3.5261-03	1.0142-01	1.5886+05	2.0513-03	1.7720+00
26	473.96	3.0738+00	5.2228-01	1.5661-03	5.2228-01	1.5661-03	6.8738-04	1.9771-02	3.0968+04	3.9993-04	1.9200+00
27	465.37	2.6452+00	4.4689-01	1.3318-03	4.4689-01	1.3318-03	5.8454-04	1.6813-02	2.6335+04	3.3996-04	3.0250+00
28	470.95	2.5029+00	4.2442-01	1.2699-03	4.2442-01	1.2699-03	5.5738-04	1.6031-02	2.5111+04	3.2424-04	3.4150+00
29	476.58	3.1857+01	5.0736+00	1.5243-02	5.0736+00	1.5243-02	6.6901-03	1.9242-01	3.0140+05	3.8928-03	8.7000-01
30	476.78	3.2065+01	5.1713+00	1.5538-02	5.1713+00	1.5538-02	6.8199-03	1.9615-01	3.0725+05	3.9684-03	1.2590+00
31	477.16	2.6011+01	4.2349+00	1.2728-02	4.2349+00	1.2728-02	5.5865-03	1.6068-01	2.5168+05	3.2507-03	1.6500+00
32	476.16	1.5241+01	2.5251+00	7.5839-03	2.5251+00	7.5839-03	3.3286-03	9.5739-02	1.4996+05	1.9368-03	1.7720+00
33	477.78	2.1881+00	3.6619-01	1.1011-03	3.6619-01	1.1011-03	4.8328-04	1.3900-02	2.1773+04	2.8122-04	2.2400+00
34	470.60	1.9605+00	3.2752-01	9.7972-04	3.2752-01	9.7972-04	4.3001-04	1.2368-02	1.9373+04	2.5015-04	3.0250+00
35	481.00	3.4390+01	5.0811+00	1.5314-02	5.0811+00	1.5314-02	6.7214-03	1.9332-01	3.0281+05	3.9118-03	1.1570-01
37	480.88	3.9203+01	6.1047+00	1.8397-02	6.1047+00	1.8397-02	8.0748-03	2.3225-01	3.6378+05	4.6994-03	1.2500+00
38	481.21	3.1657+00	5.3417-01	1.6102-03	5.3417-01	1.6102-03	7.0672-04	2.0327-02	3.1839+04	4.1131-04	1.9200+00
39	482.01	2.5242+00	4.2992-01	1.2967-03	4.2992-01	1.2967-03	5.6913-04	1.6370-02	2.5641+04	3.3125-04	2.2400+00
40	470.85	1.1460+00	1.9659-01	5.8818-04	1.9659-01	5.8818-04	2.5816-04	7.4251-03	1.1630+04	1.5018-04	3.0250+00
41	472.39	1.2675+00	2.1578-01	6.4630-04	2.1578-01	6.4630-04	2.8367-04	8.1589-03	1.2780+04	1.6503-04	3.4150+00
42	487.11	4.5034+01	7.2445+00	2.1932-02	7.2445+00	2.1932-02	9.6260-03	2.7686-01	4.3367+05	5.6038-03	8.7000-01
43	487.88	4.5127+01	7.3989+00	2.2412-02	7.3989+00	2.2412-02	9.8366-03	2.8292-01	4.4316+05	5.7266-03	1.2590+00
44	492.66	4.2867+01	7.0718+00	2.1496-02	7.0718+00	2.1496-02	9.4346-03	2.7136-01	4.2505+05	5.4938-03	1.6500+00
45	484.97	2.1979+01	3.6408+00	1.1005-02	3.6408+00	1.1005-02	4.8301-03	1.3892-01	2.1761+05	2.8116-03	1.7720+00
46	488.07	4.5288+00	7.6534-01	2.3186-03	7.6534-01	2.3186-03	1.0176-03	2.9270-02	4.5847+04	5.9245-04	2.2400+00
47	475.30	3.2390+00	5.5084-01	1.6533-03	5.5084-01	1.6533-03	7.2567-04	2.0872-02	3.2693+04	4.2223-04	3.0250+00
48	470.33	2.4724+01	3.8845+00	1.1618-02	3.8845+00	1.1618-02	5.0991-03	1.4666-01	2.2973+05	2.9663-03	8.7000-01
49	473.91	3.1965+01	5.1771+00	1.5524-02	5.1771+00	1.5524-02	6.8134-03	1.9597-01	3.0696+05	3.9641-03	1.2590+00
50	481.43	3.4952+01	5.7938+00	1.7467-02	5.7938+00	1.7467-02	7.6666-03	2.2051-01	3.4540+05	4.4620-03	1.6500+00
51	476.99	1.8946+01	3.1314+00	9.4103-03	3.1314+00	9.4103-03	4.1302-03	1.1880-01	1.8608+05	2.4033-03	1.7720+00
52	478.15	1.8068+00	3.0515-01	9.1780-04	3.0515-01	9.1780-04	4.0283-04	1.1586-02	1.8148+04	2.3441-04	1.9200+00
53	484.39	7.4753-01	1.2602-01	3.8076-04	1.2602-01	3.8076-04	1.6712-04	4.8068-03	7.5291+03	9.7278-05	2.2400+00
54	476.99	8.5922-01	1.4415-01	4.3319-04	1.4415-01	4.3319-04	1.9013-04	5.4686-03	8.5659+03	1.1064-04	2.6360+00
55	472.73	1.4410+00	2.4108-01	7.2226-04	2.4108-01	7.2226-04	3.1701-04	9.1178-03	1.4282+04	1.8443-04	3.0250+00
56	468.75	2.0966+00	3.5294-01	1.0544-03	3.5294-01	1.0544-03	4.6277-04	1.3310-02	2.0849+04	2.6918-04	3.4150+00
57	490.92	5.4320+01	8.0779+00	2.4522-02	8.0779+00	2.4522-02	1.0763-02	3.0957-01	4.8490+05	6.2668-03	1.1570-01
58	470.76	2.8967+01	4.5812+00	1.3706-02	4.5812+00	1.3706-02	6.0155-03	1.7302-01	2.7101+05	3.4994-03	2.5000-01
59	461.76	1.9204+01	3.0378+00	9.0298-03	3.0378+00	9.0298-03	3.9633-03	1.1399-01	1.7855+05	2.3046-03	4.8300-01
60	468.22	2.9739+01	4.7248+00	1.4109-02	4.7248+00	1.4109-02	6.1927-03	1.7812-01	2.7899+05	3.6020-03	8.7000-01
61	473.82	2.7844+00	4.4679-01	1.3396-03	4.4679-01	1.3396-03	5.8797-04	1.6911-02	2.6489+04	3.4208-04	1.2590+00
62	457.48	1.1662+01	1.8567+00	5.5020-03	1.8567+00	5.5020-03	2.4149-03	6.9458-02	1.0880+05	1.4040-03	1.6500+00
63	458.63	9.0254+00	1.4957+00	4.4360-03	1.4957+00	4.4360-03	1.9470-03	5.6000-02	8.7715+04	1.1320-03	1.7720+00
64	473.68	1.4597+00	2.4871-01	7.4564-04	2.4871-01	7.4564-04	3.2727-04	9.4129-03	1.4744+04	1.9040-04	2.2400+00
65	468.42	1.2166+00	2.0717-01	6.1874-04	2.0717-01	6.1874-04	2.7157-04	7.8110-03	1.2235+04	1.5796-04	3.0250+00
66	487.66	5.0875+01	7.5496+00	2.2864-02	7.5496+00	2.2864-02	1.0035-02	2.8864-01	4.5211+05	5.8422-03	1.1570-01
67	467.60	2.5820+01	3.9598+00	1.1820-02	3.9598+00	1.1820-02	5.1878-03	1.4921-01	2.3372+05	3.0175-03	2.5000-01
68	456.87	1.7204+01	2.7124+00	8.0344-03	2.7124+00	8.0344-03	3.5264-03	1.0143-01	1.5887+05	2.0501-03	4.8300-01
69	449.65	1.2422+01	1.9489+00	5.7434-03	1.9489+00	5.7434-03	2.5208-03	7.2505-02	1.1357+05	1.4651-03	8.7000-01
70	444.73	1.0742+01	1.7110+00	5.0246-03	1.7110+00	5.0246-03	2.2054-03	6.3431-02	9.9356+04	1.2814-03	1.2590+00
71	440.80	1.0079+01	1.6206+00	4.7461-03	1.6206+00	4.7461-03	2.0831-03	5.9915-02	9.3849+04	1.2102-03	1.6500+00
72	440.99	8.1995+00	1.3465+00	3.9438-03	1.3465+00	3.9438-03	1.7310-03	4.9787-02	7.7984+04	1.0056-03	1.7720+00
73	441.33	1.6026+00	2.6479-01	7.7575-04	2.6479-01	7.7575-04	3.4048-04	9.7931-03	1.5340+04	1.9781-04	1.9200+00
74	453.38	6.9610-01	1.1665-01	3.4468-04	1.1665-01	3.4468-04	1.5128-04	4.3513-03	6.8156+03	8.7938-05	2.2400+00
75	467.87	5.5896-01	9.4591-02	2.8240-04	9.4591-02	2.8240-04	1.2395-04	3.5650-03	5.5841+03	7.2095-05	3.0250+00
76	468.11	3.6727-01	6.2344-02	1.8616-04	6.2344-02	1.8616-04	8.1708-05	2.3501-03	3.6811+03	4.7526-05	3.4150+00
77	466.07	3.3683+00	5.5933-01	1.6677-03	5.5933-01	1.6677-03	7.3198-04	2.1053-02	3.2977+04	4.2573-04	2.6360+00
78	457.78	3.3761+00	5.6414-01	1.6721-03	5.6414-01	1.6721-03	7.3391-04	2.1109-02	3.3064+04	4.2669-04	3.0250+00
79	457.99	3.3558+00	5.6248-01	1.6675-03	5.6248-01	1.6675-03	7.3186-04	2.1050-02	3.2972+04	4.2551-04	3.4150+00
80	479.67	3.6816+00	6.2792-01	1.8907-03	6.2792-01	1.8907-03	8.2984-04	2.3868-02	3.7386+04	4.8293-04	2.2400+00
81	467.88	3.5008+00	5.8204-01	1.7377-03	5.8204-01	1.7377-03	7.6268-04	2.1936-02	3.4360+04	4.4362-04	2.6360+00
82	461.57	3.5382+00	5.8751-01	1.7461-03	5.8751-01	1.7461-03	7.6639-04	2.2043-02	3.4527+04	4.4565-04	3.0250+00
83	462.96	3.4805+00	5.8363-01	1.7363-03	5.8363-01	1.7363-03	7.6208-04	2.1919-02	3.4333+04	4.4317-04	3.4150+00
401	552.67	1.2580+02	1.1101+01	3.5295-02	1.1101+01	3.5295-02	1.5491-02	4.4557-01	6.9792+05	9.0455-03	4.4500-01
403	534.07	9.1670+01	7.9985+00	2.5073-02	7.9985+00	2.5073-02	1.1005-02	3.1652-01	4.9579+05	6.4202-03	6.8600-01
404	532.59	9.0658+01	7.9029+00	2.4746-02	7.9029+00	2.4746-02	1.0861-02	3.1239-01	4.8932+05	6.3359-03	8.0100-01
405	506.90	6.2012+01	5.3196+00	1.6340-02	5.3196+00	1.6340-02	7.1717-03	2.0627-01	3.2310+05	4.1787-03	1.0510+00
406	591.72	-2.0777-03	-1.8759-04	-6.1489-07	-1.8759-04	-6.1489-07	-2.6988-07	-7.7624-06	-1.2159+01	-1.5788-07	1.1670+00
407	516.21	7.6461+01	6.7149+00	2.0769-02	6.7149+00	2.0769-02	9.1156-03	2.6219-01	4.1068+05	5.3137-03	1.2830+00
408	523.99	9.3951+01	8.1465+00	2.5344-02	8.1465+00	2.5344-02	1.1124-02	3.1994-01	5.0114+05	6.4865-03	5.1300-01
409	484.37	4.3550+01	3.7254+00	1.1256-02	3.7254+00	1.1256-02	4.9402-03	1.4209-01	2.2257+05	2.8756-03	5.7000-01
410	504.59	5.8972+01	5.1111+00	1.5673-02	5.1111+00	1.5673-02	6.8789-03	1.9785-01	3.0991+05	4.0077-03	6.2800-01
411	479.08	3.0147+01	2.5699+00	7.7346-03	2.5699+00	7.7346-03	3.3948-03	9.7642-02	1.5294+05	1.9756-03	6.8600-01
412	514.37	7.1074+01	6.1983+00	1.9145-02	6.1983+00	1.9145-02	8.4028-03	2.4168-01	3.7856+05	4.8978-03	7.4400-01
413	485.03	4.1672+01	3.5663+00	1.0780-02	3.5663+00	1.0780-02	4.7314-03	1.3609-01	2.1316+05	2.7542-03	8.0100-01
414	523.05	8.0907+01	7.0113+00	2.1797-02	7.0113+00	2.1797-02	9.5669-03	2.7517-01	4.3101+05	5.5785-03	8.5900-01
415	487.24	3.4516+01	2.9409+00	8.9039-03	2.9409+00	8.9039-03	3.9080-03	1.1240-01	1.7606+05	2.2751-03	9.1700-01
416	516.77	7.4993+01	6.3968+00	1.9793-02	6.3968+00	1.9793-02	8.6875-03	2.4987-01	3.9139+05	5.0642-03	5.7000-01
417	540.43	9.8088+01	8.6935+00	2.7384-02	8.6935+00	2.7384-02	1.2019-02	3.4569-01	5.4148+05	7.0139-03	1.0520+00

158 4 1.80 -10.20 .00 -.00 404 2 2.10 10.13 755.3 1779.9

8.62932+01 1.57950-02 1.13470+00 4.61121+03 1.53570-05 6.98975-08 8.49948-02 7.72000+00 7.24785-06 7.44508-02

1	580.43	1.4269+02	2.4842+01	8.0683-02	2.4842+01	8.0683-02	3.5412-02	1.0185+00	1.5954+06	2.0711-02	.0000+00	
2	539.54	9.6192+01	1.4650+01	4.6100-02	1.4650+01	4.6100-02	2.0234-02	5.8197-01	9.1157+05	1.1811-02	1.1570-01	
3	505.68	5.9399+01	9.6104+00	2.9484-02	9.6104+00	2.9484-02	1.2941-02	3.7221-01	5.8302+05	7.5421-03	2.5000-01	
4	493.23	4.6393+01	7.4929+00	2.2778-02	7.4929+00	2.2778-02	9.9977-03	2.8756-01	4.5042+05	5.8235-03	4.6300-01	
5	483.95	3.6305+01	5.8101+00	1.7544-02	5.8101+00	1.7544-02	7.7001-03	2.2147-01	3.4690+05	4.4833-03	8.7000-01	
6	478.52	3.0102+01	4.8902+00	1.4708-02	4.8902+00	1.4708-02	6.4554-03	1.8567-01	2.9083+05	3.7577-03	1.2590+00	
7	479.47	2.6273+01	4.2577+00	1.2815-02	4.2577+00	1.2815-02	5.6244-03	1.6177-01	2.5339+05	3.2741-03	1.6500+00	
8	478.33	1.9559+01	3.2843+00	9.8765-03	3.2843+00	9.8765-03	4.3349-03	1.2468-01	1.9530+05	2.5233-03	1.7720+00	
9	471.65	4.4151+00	7.4904-01	2.2417-03	7.4904-01	2.2417-03	9.8389-04	2.8299-02	4.4326+04	5.7254-04	1.9200+00	
10	476.03	3.6260+00	6.2237-01	1.8685-03	6.2237-01	1.8685-03	8.2010-04	2.3588-02	3.6947+04	4.7732-04	2.2400+00	
11	467.11	3.7148+00	6.3935-01	1.9072-03	6.3935-01	1.9072-03	8.3708-04	2.4076-02	3.7712+04	4.8701-04	2.6360+00	
12	463.39	3.6281+00	6.2107-01	1.8477-03	6.2107-01	1.8477-03	8.1099-04	2.3326-02	3.6537+04	4.7176-04	3.0250+00	
13	467.17	3.5226+00	6.0455-01	1.8035-03	6.0455-01	1.8035-03	7.9155-04	2.2767-02	3.5661+04	4.6053-04	3.4150+00	
14	544.63	9.0843+01	1.3925+01	4.3990-02	1.3925+01	4.3990-02	1.9308-02	5.5533-01	8.6985+05	1.1273-02	1.1570-01	
15	498.51	5.1882+01	8.4081+00	2.5660-02	8.4081+00	2.5660-02	1.1262-02	3.2393-01	5.0739+05	6.5617-03	2.5000-01	
16	488.30	4.1698+01	6.6503+00	2.0144-02	6.6503+00	2.0144-02	8.8415-03	2.5430-01	3.9833+05	5.1489-03	4.8300-01	
17	480.89	3.2212+01	5.1609+00	1.5549-02	5.1609+00	1.5549-02	6.8245-03	1.9629-01	3.0746+05	3.9729-03	8.7000-01	
18	477.10	2.8390+01	4.5796+00	1.3759-02	4.5796+00	1.3759-02	6.0392-03	1.7370-01	2.7208+05	3.5152-03	1.2590+00	
19	476.91	2.3926+01	3.8947+00	1.1700-02	3.8947+00	1.1700-02	5.1353-03	1.4770-01	2.3136+05	2.9890-03	1.6500+00	
20	471.79	1.4108+01	2.3726+00	7.1014-03	2.3726+00	7.1014-03	3.1169-03	8.9649-02	1.4042+05	1.8138-03	1.7720+00	
21	481.81	3.2376+01	5.1256+00	1.5453-02	5.1256+00	1.5453-02	6.7823-03	1.9507-01	3.0556+05	3.9485-03	4.8300-01	
22	482.38	3.0402+01	4.9212+00	1.4843-02	4.9212+00	1.4843-02	6.5145-03	1.8737-01	2.9349+05	3.7927-03	8.7000-01	
23	477.36	2.5434+01	4.1161+00	1.2369-02	4.1161+00	1.2369-02	5.4290-03	1.5615-01	2.4459+05	3.1600-03	1.2590+00	
24	479.53	2.2685+01	3.7217+00	1.1202-02	3.7217+00	1.1202-02	4.9165-03	1.4141-01	2.2150+05	2.8620-03	1.6500+00	
25	475.89	1.5832+01	2.6226+00	7.8729-03	2.6226+00	7.8729-03	3.4555-03	9.9387-02	1.5568+05	2.0112-03	1.7720+00	
26	474.73	3.0894+00	5.2520-01	1.5753-03	5.2520-01	1.5753-03	6.9140-04	1.9886-02	3.1149+04	4.0240-04	1.9200+00	
27	466.02	2.6488+00	4.4770-01	1.3344-03	4.4770-01	1.3344-03	5.8570-04	1.6846-02	2.6387+04	3.4074-04	2.2400+00	
28	471.56	2.4535+00	4.1622-01	1.2456-03	4.1622-01	1.2456-03	5.4669-04	1.5724-02	2.4630+04	3.1813-04	3.4150+00	
29	484.42	3.1914+01	5.1090+00	1.5432-02	5.1090+00	1.5432-02	6.7731-03	1.9481-01	3.0514+05	3.9437-03	8.7000-01	
30	484.83	3.2324+01	5.2407+00	1.5834-02	5.2407+00	1.5834-02	6.9498-03	1.9989-01	3.1310+05	4.0466-03	1.2590+00	
31	483.78	2.6541+01	4.3399+00	1.3103-02	4.3399+00	1.3103-02	5.7509-03	1.6541-01	2.5909+05	3.3484-03	1.6500+00	
32	480.01	1.5432+01	2.5634+00	7.7181-03	2.5634+00	7.7181-03	3.3875-03	9.7433-02	1.5262+05	1.9720-03	1.7720+00	
33	478.36	2.2478+00	3.7633-01	1.1317-03	3.7633-01	1.1317-03	4.9672-04	1.4287-02	2.2378+04	2.8914-04	2.2400+00	
34	471.04	1.8582+00	3.1051-01	9.2888-04	3.1051-01	9.2888-04	4.0770-04	1.1726-02	1.8368+04	2.3724-04	3.0250+00	
35	490.17	3.7436+01	5.5643+00	1.6878-02	5.5643+00	1.6878-02	7.4078-03	2.1307-01	3.3374+05	4.3143-03	1.1570-01	
36	490.70	3.9202+01	6.1439+00	1.8643-02	6.1439+00	1.8643-02	8.1826-03	2.3535-01	3.6864+05	4.7657-03	1.2500+00	
37	482.03	3.2945+00	5.5620-01	1.6771-03	5.5620-01	1.6771-03	7.3610-04	2.1172-02	3.3163+04	4.2855-04	1.9200+00	
38	482.64	2.4945+00	4.2505-01	1.2822-03	4.2505-01	1.2822-03	5.6278-04	1.6187-02	2.5354+04	3.2765-04	2.2400+00	
39	471.13	1.2462+00	2.1383-01	6.3970-04	2.1383-01	6.3970-04	2.8077-04	8.0756-03	1.2649+04	1.6338-04	3.0250+00	
40	472.62	1.0239+00	1.7433-01	5.2209-04	1.7433-01	5.2209-04	2.2915-04	6.5909-03	1.0324+04	1.3335-04	3.4150+00	
41	498.61	4.5604+01	7.3912+00	2.2558-02	7.3912+00	2.2558-02	9.9009-03	2.8477-01	4.4606+05	5.7685-03	8.7000-01	
42	499.87	4.8653+01	8.0392+00	2.4559-02	8.0392+00	2.4559-02	1.0779-02	3.1003-01	4.8562+05	6.2805-03	1.2590+00	
43	503.28	4.2543+01	7.0666+00	2.1642-02	7.0666+00	2.1642-02	9.4987-03	2.7321-01	4.2794+05	5.5354-03	1.6500+00	
44	490.45	2.2093+01	3.6728+00	1.1143-02	3.6728+00	1.1143-02	4.8906-03	1.4066-01	2.2033+05	2.8483-03	1.7720+00	
45	489.19	4.5049+00	7.6186-01	2.3092-03	7.6186-01	2.3092-03	1.0135-03	2.9152-02	4.5662+04	5.9027-04	2.2400+00	
46	476.09	3.2416+00	5.5157-01	1.6560-03	5.5157-01	1.6560-03	7.2684-04	2.0906-02	3.2746+04	4.2304-04	3.0250+00	
47	476.64	2.5759+01	4.0642+00	1.2207-02	4.0642+00	1.2207-02	5.3578-03	1.5410-01	2.4138+05	3.1185-03	8.7000-01	
48	481.72	3.1018+01	5.0496+00	1.5223-02	5.0496+00	1.5223-02	6.6814-03	1.9217-01	3.0101+05	3.8898-03	1.2590+00	
49	489.73	3.3134+01	5.5223+00	1.6745-02	5.5223+00	1.6745-02	7.3495-03	2.1139-01	3.3111+05	4.2803-03	1.6500+00	
50	481.62	1.8404+01	3.0511+00	9.1974-03	3.0511+00	9.1974-03	4.0368-03	1.1611-01	1.8187+05	2.3501-03	1.7720+00	
51	478.59	1.6940+00	2.8619-01	8.6080-04	2.8619-01	8.6080-04	3.7781-04	1.0867-02	1.7021+04	2.1992-04	1.9200+00	
52	484.56	7.2104-01	1.2157-01	3.6725-04	1.2157-01	3.6725-04	1.6119-04	4.6362-03	7.2619+03	9.3853-05	2.2400+00	
53	477.15	7.8702-01	1.3205-01	3.9677-04	1.3205-01	3.9677-04	1.7414-04	5.0088-03	7.8456+03	1.0136-04	2.6360+00	
54	473.08	1.3356+00	2.2349-01	6.6953-04	2.2349-01	6.6953-04	2.9386-04	8.4522-03	1.3239+04	1.7102-04	3.0250+00	
55	469.25	2.0608+00	3.4702-01	1.0368-03	3.4702-01	1.0368-03	4.5504-04	1.3088-02	2.0501+04	2.6477-04	3.4150+00	
56	504.74	5.5558+01	8.3358+00	2.5556-02	8.3358+00	2.5556-02	1.1217-02	3.2262-01	5.0535+05	6.5371-03	1.1570-01	
57	478.09	2.9152+01	4.6329+00	1.3930-02	4.6329+00	1.3930-02	6.1139-03	1.7585-01	2.7544+05	3.5588-03	2.5000-01	
58	466.58	1.9200+01	3.0470+00	9.0858-03	3.0470+00	9.0858-03	3.9879-03	1.1470-01	1.7966+05	2.3201-03	4.8300-01	
59	475.53	2.9004+01	4.6305+00	1.3897-02	4.6305+00	1.3897-02	6.0994-03	1.7543-01	2.7479+05	3.5500-03	8.7000-01	
60	474.53	2.8566+00	4.5859-01	1.3753-03	4.5859-01	1.3753-03	6.0363-04	1.7362-02	2.7195+04	3.5131-04	1.2590+00	
61	460.22	1.1352+01	1.8107+00	5.3747-03	1.8107+00	5.3747-03	2.3590-03	6.7850-02	1.0628+05	1.3720-03	1.6500+00	
62	460.53	7.9657+00	1.3218+00	3.9243-03	1.3218+00	3.9243-03	1.7224-03	4.9541-02	7.7599+04	1.0018-03	1.7720+00	
63	474.01	1.4535+00	2.4770-01	7.4258-04	2.4770-01	7.4258-04	3.2592-04	9.3743-03	1.4684+04	1.8968-04	2.2400+00	
64	468.70	1.1782+00	2.0066-01	5.9925-04	2.0066-01	5.9925-04	2.6302-04	7.5650-03	1.1849+04	1.5303-04	3.0250+00	
65	500.64	5.2153+01	7.8044+00	2.3855-02	7.8044+00	2.3855-02	1.0470-02	3.0114-01	4.7170+05	6.1007-03	1.1570-01	
66	474.09	2.5925+01	3.9933+00	1.1972-02	3.9933+00	1.1972-02	5.2546-03	1.5113-01	2.3673+05	3.0581-03	2.5000-01	
67	461.27	1.7573+01	2.7789+00	8.2548-03	2.7789+00	8.2548-03	3.6231-03	1.0421-01	1.6323+05	2.1074-03	4.8300-01	
68	452.67	1.2256+01	1.9267+00	5.6886-03	1.9267+00	5.6886-03	2.4968-03	7.1813-02	1.1248+05	1.4517-03	8.7000-01	
69	447.26	1.0298+01	1.6431+00	4.8325-03	1.6431+00	4.8325-03	2.1210-03	6.1006-02	9.5557+04	1.2329-03	1.2590+00	
70	442.99	9.2712+00	1.4930+00	4.3779-03	1.4930+00	4.3779-03	1.9215-03	5.5267-02	8.6568+04	1.1167-03	1.6500+00	
71	442.85	7.5169+00	1.2360+00	3.6239-03	1.2360+00	3.6239-03	1.5905-03	4.5748-02	7.1657+04	9.2439-04	1.7720+00	
72	441.71	1.5709+00	2.5962-01	7.6061-04	2.5962-01	7.6061-04	3.3384-04	9.6019-03	1.5040+04	1.9401-04	1.9200+00	
73	453.55	7.3870-01	1.2381-01	3.6576-04	1.2381-01	3.6576-04	1.6053-04	4.6173-03	7.2324+03	9.3343-05	2.2400+00	
74	467.96	4.3688-01	7.3937-02	2.2069-04	7.3937-02	2.2069-04	9.6862-05	2.7860-03	4.3638+03	5.6357-05	3.0250+00	
75	468.18	2.7636-01	4.6915-02	1.4006-04	4.6915-02	1.4006-04	6.1471-05	1.7681-03	2.7694+03	3.5766-05	3.4150+00	
76	466.87	3.2774+00	5.4453-01	1.6241-03	5.4453-01	1.6241-03	7.1282-04	2.0502-02	3.2114+04	4.1471-04	2.6360+00	
77	458.62	3.3907+00	5.6689-01	1.6808-03	5.6689-01	1.6808-03	7.3772-04	2.1218-02	3.3236+04	4.2904-04	3.0250+00	
78	458.82	3.3719+00	5.6550-01	1.6769-03	5.6550-01	1.6769-03	7.3601-04	2.1169-02	3.3159+04	4.2806-04	3.4150+00	
79	480.61	3.7169+00	6.3434-01	1.9108-03	6.3434-01	1.9108-03	8.3865-04	2.4121-02	3.7783+04	4.8822-04	2.2400+00	
80	468.73	3.4727+00	5.7770-01	1.7253-03	5.7770-01	1.7253-03	7.5725-04	2.1780-02	3.4116+04	4.4060-04	2.6360+00	
81	462.45	3.5242+00	5.8553-01	1.7408-03	5.8553-01	1.7408-03	7.6406-04	2.1976-02	3.4423+04	4.4444-04	3.0250+00	
82	463.84	3.5148+00	5.8972-01	1.7550-03	5.8972-01	1.7550-03	7.7030-04	2.2156-02	3.4704+04	4.4810-04	3.4150+00	
401	583.73	1.2205+02	1.0969+01	3.5718-02	1.0969+01	3.5718-02	1.5677-02	4.5090-01	7.0627+05	9.1700-03	4.4500-01	
403	555.77	8.3914+01	7.4187+00	2.3637-02	7.4187+00	2.3637-02	1.0374-02	2.9839-01	4.6739+05	6.0603-03	6.8600-01	
404	554.44	8.4955+01	7.5048+00	2.3887-02	7.5048+00	2.3887-02	1.0484-02	3.0155-01	4.7233+05	6.1241-03	8.0100-01	
405	522.66	6.3294+01	5.4836+00	1.7038-02	5.4836+00	1.7038-02	7.4779-03	2.1508-01	3.3690+05	4.3616-03	1.0510+00	
406	591.72	-3.6884-02	-3.3301-03	-1.0912-05	-3.3301-03	-1.0912-05	-4.7895-06	-1.3776-04	-2.1578-02	-2.8027-06	1.1670+00	
407	535.14	7.4662+01	6.6327+00	2.0802-02	6.6327+00	2.0802-02	9.1303-03	2.6261-01	4.1134+05	5.3285-03	1.2830+00	
408	546.73	9.1564+01	8.0511+00	2.5474-02	8.0511+00	2.5474-02	1.1181-02	3.2159-01	5.0372+05	6.5287-03	5.1300-01	
409	495.57	4.5091+01	3.8854+00	1.1832-02	3.8854+00	1.1832-02	5.1932-03	1.4937-01	2.3396+05	3.0253-03	5.7000-01	
410	519.56	6.0339+01	5.2793+00	1.6365-02	5.2793+00	1.6365-02	7.1826-03	2.0659-01	3.2359+05	4.1887-03	6.2800-01	
411	487.09	3.3250+01	2.8494+00	8.6235-03	2.8494+00	8.6235-03	3.7849-03	1.0886-01	1.7052+05	2.2040-03	6.8600-01	
412	531.77	6.8562+01	6.0444+00	1.8909-02	6.0444+00	1.8909-02	8.2994-03	2.3871-01	3.7390+05	4.8428-03	7.4400-01	
413	496.11	4.3769+01	3.7729+00	1.1494-02	3.7729+00	1.1494-02	5.0447-03	1.4510-01	2.2728+05	2.9388-03	8.0100-01	
414	542.92	7.8184+01	6.8588+00	2.1639-02	6.8588+00	2.1639-02	9.4975-03	2.7317-01	4.2788+05	5.5448-03	8.5900-01	
415	495.89	3.4902+01	2.9905+00	9.1090-03	2.9905+00	9.1090-03	3.9980-03	1.1499-01	1.8012+05	2.3290-03	9.1700-01	
416	535.44	7.4899+01	6.4632+00	2.0275-02	6.4632+00	2.0275-02	8.8991-03	2.5596-01	4.0092+05	5.1936-03	5.7000-01	
417	563.53	8.9823+01	8.0722+00	2.5874-02	8.0722+00	2.5874-02	1.1356-02	3.2663-01	5.1162+05	6.6363-03	1.0520+00	

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158 4 1.80 -10.20 .00 -.00 404 2 2.35 10.13 755.3 1780.4

8.63203+01 1.57943-02 1.13464+00 4.61194+03 1.53514-05 6.99195-08 8.49505-02 7.72000+00 7.25043-06 7.44477-02

1	615.33	1.3615+02	2.4178+01	8.0741-02	2.4178+01	8.0741-02	3.5445-02	1.0193+00	1.5960+06	2.0752-02	.0000+00
2	563.35	9.4250+01	1.4561+01	4.6666-02	1.4561+01	4.6666-02	2.0486-02	5.8911-01	9.2243+05	1.1964-02	1.1570-01
3	520.38	5.8596+01	9.5689+00	2.9680-02	9.5689+00	2.9680-02	1.3029-02	3.7468-01	5.8667+05	7.5941-03	2.5000-01
4	504.72	4.5750+01	7.4440+00	2.2822-02	7.4440+00	2.2822-02	1.0019-02	2.8810-01	4.5111+05	5.8352-03	4.8300-01
5	492.95	3.5841+01	5.7696+00	1.7536-02	5.7696+00	1.7536-02	7.6983-03	2.2138-01	3.4663+05	4.4814-03	8.7000-01
6	486.00	2.9938+01	4.8875+00	1.4780-02	4.8875+00	1.4780-02	6.4884-03	1.8658-01	2.9215+05	3.7759-03	1.2590+00
7	486.04	2.6143+01	4.2551+00	1.2868-02	4.2551+00	1.2868-02	5.6449-03	1.6244-01	2.5435+05	3.2874-03	1.6500+00
8	483.18	1.9294+01	3.2501+00	9.8083-03	3.2501+00	9.8083-03	4.3058-03	1.2382-01	1.9388+05	2.5054-03	1.7720+00
9	472.75	4.5117+00	7.6599-01	2.2942-03	7.6599-01	2.2942-03	1.0072-03	2.8962-02	4.5349+04	5.8577-04	1.9200+00
10	476.94	3.6992+00	6.3532-01	1.9086-03	6.3532-01	1.9086-03	8.3789-04	2.4095-02	3.7728+04	4.8741-04	2.2400+00
11	467.97	3.5704+00	6.1485-01	1.8352-03	6.1485-01	1.8352-03	8.0567-04	2.3168-02	3.6277+04	4.6848-04	2.6360+00
12	464.31	3.6374+00	6.2306-01	1.8549-03	6.2306-01	1.8549-03	8.1428-04	2.3416-02	3.6664+04	4.7341-04	3.0250+00
13	468.04	3.5584+00	6.1106-01	1.8240-03	6.1106-01	1.8240-03	8.0074-04	2.3026-02	3.6055+04	4.6561-04	3.4150+00
14	567.16	8.9211+01	1.3861+01	4.4552-02	1.3861+01	4.4552-02	1.9558-02	5.6243-01	8.8065+05	1.1424-02	1.1570-01
15	511.38	5.1269+01	8.3773+00	2.5810-02	8.3773+00	2.5810-02	1.1331-02	3.2583-01	5.1018+05	6.6013-03	2.5000-01
16	498.65	4.1257+01	6.6243+00	2.0218-02	6.6243+00	2.0218-02	8.8757-03	2.5523-01	3.9965+05	5.1681-03	4.8300-01
17	488.87	3.1834+01	5.1270+00	1.5537-02	5.1270+00	1.5537-02	6.8205-03	1.9613-01	3.0711+05	3.9697-03	8.7000-01
18	484.16	2.8132+01	4.5591+00	1.3768-02	4.5591+00	1.3768-02	6.0442-03	1.7381-01	2.7215+05	3.5171-03	1.2590+00
19	482.88	2.3782+01	3.8865+00	1.1726-02	3.8865+00	1.1726-02	5.1478-03	1.4803-01	2.3179+05	2.9953-03	1.6500+00
20	475.34	1.4210+01	2.3955+00	7.1882-03	2.3955+00	7.1882-03	3.1556-03	9.0745-02	1.4209+05	1.8355-03	1.7720+00
21	489.86	3.2057+01	5.1018+00	1.5471-02	5.1018+00	1.5471-02	6.7919-03	1.9531-01	3.0582+05	3.9532-03	4.8300-01
22	489.85	2.9595+01	4.8141+00	1.4599-02	4.8141+00	1.4599-02	6.4088-03	1.8429-01	2.8857+05	3.7302-03	8.7000-01
23	483.71	2.5353+01	4.1201+00	1.2439-02	4.1201+00	1.2439-02	5.4605-03	1.5702-01	2.4587+05	3.1774-03	1.2590+00
24	485.19	2.2517+01	3.7080+00	1.1206-02	3.7080+00	1.1206-02	4.9196-03	1.4147-01	2.2151+05	2.8628-03	1.6500+00
25	479.84	1.5722+01	2.6113+00	7.8612-03	2.6113+00	7.8612-03	3.4511-03	9.9240-02	1.5539+05	2.0078-03	1.7720+00
26	475.50	3.1351+00	5.3324-01	1.6003-03	5.3324-01	1.6003-03	7.0253-04	2.0202-02	3.1633+04	4.0864-04	1.9200+00
27	466.68	2.7018+00	4.5686-01	1.3624-03	4.5686-01	1.3624-03	5.9809-04	1.7199-02	2.6930+04	3.4776-04	3.0250+00
28	472.17	2.4914+00	4.2283-01	1.2659-03	4.2283-01	1.2659-03	5.5573-04	1.5981-02	2.5023+04	3.2320-04	3.4150+00
29	492.48	3.2562+01	5.2401+00	1.5921-02	5.2401+00	1.5921-02	6.9894-03	2.0099-01	3.1471+05	4.0686-03	8.7000-01
30	493.02	3.2355+01	5.2739+00	1.6030-02	5.2739+00	1.6030-02	7.0372-03	2.0236-01	3.1686+05	4.0965-03	1.2590+00
31	490.49	2.6673+01	4.3807+00	1.3291-02	4.3807+00	1.3291-02	5.8346-03	1.6778-01	2.6271+05	3.3961-03	1.6500+00
32	483.89	1.5562+01	2.5916+00	7.8250-03	2.5916+00	7.8250-03	3.4351-03	9.8782-02	1.5467+05	1.9989-03	1.7720+00
33	478.92	2.3314+00	3.9048-01	1.1748-03	3.9048-01	1.1748-03	5.1572-04	1.4830-02	2.3221+04	3.0002-04	2.2400+00
34	471.52	1.9730+00	3.2980-01	9.8693-04	3.2980-01	9.8693-04	4.3326-04	1.2459-02	1.9508+04	2.5197-04	3.0250+00
35	499.86	3.9316+01	5.8806+00	1.7964-02	5.8806+00	1.7964-02	7.8863-03	2.2678-01	3.5509+05	4.5922-03	1.1570-01
37	500.46	3.9098+01	6.1663+00	1.8845-02	6.1663+00	1.8845-02	8.2731-03	2.3790-01	3.7251+05	4.8176-03	1.2500+00
38	482.85	3.3896+00	5.7256-01	1.7275-03	5.7256-01	1.7275-03	7.5836-04	2.1808-02	3.4146+04	4.4126-04	1.9200+00
39	483.26	2.5242+00	4.3027-01	1.2986-03	4.3027-01	1.2986-03	5.7007-04	1.6393-02	2.5668+04	3.3171-04	2.2400+00
40	471.48	1.3174+00	2.2609-01	6.7656-04	2.2609-01	6.7656-04	2.9701-04	8.5408-03	1.3373+04	1.7273-04	3.0250+00
41	472.88	1.1034+00	1.8789-01	5.6282-04	1.8789-01	5.6282-04	2.4708-04	7.1051-03	1.1125+04	1.4370-04	3.4150+00
42	510.05	4.5197+01	7.3789+00	2.2711-02	7.3789+00	2.2711-02	9.9703-03	2.8671-01	4.4893+05	5.8084-03	8.7000-01
43	512.45	5.0264+01	8.3723+00	2.5815-02	8.3723+00	2.5815-02	1.1333-02	3.2589-01	5.1028+05	6.6029-03	1.2590+00
44	513.92	4.2346+01	7.0816+00	2.1859-02	7.0816+00	2.1859-02	9.5963-03	2.7595-01	4.3209+05	5.5915-03	1.6500+00
45	496.00	2.2220+01	3.7072+00	1.1293-02	3.7072+00	1.1293-02	4.9576-03	1.4256-01	2.2322+05	2.8863-03	1.7720+00
46	490.31	4.4894+00	7.5978-01	2.3048-03	7.5978-01	2.3048-03	1.0118-03	2.9096-02	4.5558+04	5.8893-04	2.2400+00
47	476.93	3.2514+00	5.5356-01	1.6630-03	5.5356-01	1.6630-03	7.3005-04	2.0993-02	3.2872+04	4.2467-04	3.0250+00
48	483.15	2.6369+01	4.1782+00	1.2609-02	4.1782+00	1.2609-02	5.5353-03	1.5918-01	2.4924+05	3.2208-03	8.7000-01
49	489.37	3.0434+01	4.9794+00	1.5095-02	4.9794+00	1.5095-02	6.6266-03	1.9056-01	2.9838+05	3.8569-03	1.2590+00
50	497.87	3.2514+01	5.4477+00	1.6617-02	5.4477+00	1.6617-02	7.2950-03	2.0978-01	3.2847+05	4.2475-03	1.6500+00
51	486.14	1.7833+01	2.9652+00	8.9678-03	2.9652+00	8.9678-03	3.9369-03	1.1321-01	1.7726+05	2.2910-03	1.7720+00
52	478.99	1.7626+00	2.9786-01	8.9614-04	2.9786-01	8.9614-04	3.9341-04	1.1313-02	1.7714+04	2.2887-04	1.9200+00
53	484.75	7.2987-01	1.2308-01	3.7185-04	1.2308-01	3.7185-04	1.6324-04	4.6942-03	7.3502+03	9.4991-05	2.2400+00
54	477.38	8.7065-01	1.4611-01	4.3907-04	1.4611-01	4.3907-04	1.9275-04	5.5428-03	8.6790+03	1.1213-04	2.6360+00
55	473.39	1.2821+00	2.1458-01	6.4299-04	2.1458-01	6.4299-04	2.8227-04	8.1171-03	1.2710+04	1.6417-04	3.0250+00
56	469.76	2.0966+00	3.5318-01	1.0555-03	3.5318-01	1.0555-03	4.6338-04	1.3325-02	2.0864+04	2.6947-04	3.4150+00
57	518.78	5.6188+01	8.5055+00	2.6350-02	8.5055+00	2.6350-02	1.1568-02	3.3264-01	5.2085+05	6.7416-03	1.1570-01
58	485.40	2.9158+01	4.6562+00	1.4074-02	4.6562+00	1.4074-02	6.1786-03	1.7767-01	2.7820+05	3.5955-03	2.5000-01
59	471.37	1.9118+01	3.0438+00	9.1075-03	3.0438+00	9.1075-03	3.9982-03	1.1497-01	1.8003+05	2.3252-03	4.8300-01
60	482.69	2.8389+01	4.5537+00	1.3737-02	4.5537+00	1.3737-02	6.0307-03	1.7342-01	2.7155+05	3.5090-03	8.7000-01
61	475.24	2.8883+00	4.6390-01	1.3919-03	4.6390-01	1.3919-03	6.1106-04	1.7572-02	2.7514+04	3.5543-04	1.2590+00
62	463.08	1.1498+01	1.8375+00	5.4654-03	1.8375+00	5.4654-03	2.3993-03	6.8996-02	1.0803+05	1.3948-03	1.6500+00
63	462.52	8.0873+00	1.3437+00	3.9953-03	1.3437+00	3.9953-03	1.7539-03	5.0436-02	7.8973+04	1.0196-03	1.7720+00
64	474.40	1.5018+00	2.5600-01	7.6767-04	2.5600-01	7.6767-04	3.3701-04	9.6911-03	1.5174+04	1.9602-04	2.2400+00
65	469.01	1.2374+00	2.1079-01	6.2964-04	2.1079-01	6.2964-04	2.7641-04	7.9486-03	1.2446+04	1.6073-04	3.0250+00
66	513.82	5.2911+01	7.9845+00	2.4645-02	7.9845+00	2.4645-02	1.0819-02	3.1111-01	4.8714+05	6.3039-03	1.1570-01
67	480.58	2.5924+01	4.0102+00	1.2079-02	4.0102+00	1.2079-02	5.3028-03	1.5249-01	2.3877+05	3.0852-03	2.5000-01
68	465.66	1.7584+01	2.7888+00	8.3105-03	2.7888+00	8.3105-03	3.6483-03	1.0491-01	1.6427+05	2.1212-03	4.8300-01
69	455.74	1.2401+01	1.9536+00	5.7805-03	1.9536+00	5.7805-03	2.5376-03	7.2973-02	1.1426+05	1.4748-03	8.7000-01
70	449.81	1.0023+01	1.6020+00	4.7204-03	1.6020+00	4.7204-03	2.0722-03	5.9590-02	9.3306+04	1.2040-03	1.2590+00
71	445.31	9.1247+00	1.4718+00	4.3227-03	1.4718+00	4.3227-03	1.8977-03	5.4570-02	8.5446+04	1.1023-03	1.6500+00
72	444.69	7.3434+00	1.2090+00	3.5493-03	1.2090+00	3.5493-03	1.5581-03	4.4807-02	7.0158+04	9.0510-04	1.7720+00
73	442.13	1.6374+00	2.7069-01	7.9326-04	2.7069-01	7.9326-04	3.4824-04	1.0014-02	1.5680+04	2.0226-04	1.9200+00
74	453.75	7.6520-01	1.2826-01	3.7898-04	1.2826-01	3.7898-04	1.6637-04	4.7842-03	7.4912+03	9.6680-05	2.2400+00
75	468.07	4.2182-01	7.1393-02	2.1311-04	7.1393-02	2.1311-04	9.3556-05	2.6903-03	4.2125+03	5.4401-05	3.0250+00
76	468.23	2.0624-01	3.5011-02	1.0452-04	3.5011-02	1.0452-04	4.5885-05	1.3195-03	2.0661+03	2.6681-05	3.4150+00
77	467.71	3.3470+00	5.5641-01	1.6605-03	5.5641-01	1.6605-03	7.2895-04	2.0962-02	3.2822+04	4.2386-04	2.6360+00
78	459.47	3.4530+00	5.7765-01	1.7137-03	5.7765-01	1.7137-03	7.5233-04	2.1634-02	3.3875+04	4.3730-04	3.0250+00
79	459.68	3.3860+00	5.6818-01	1.6859-03	5.6818-01	1.6859-03	7.4012-04	2.1283-02	3.3325+04	4.3020-04	3.4150+00
80	481.53	3.6442+00	6.2230-01	1.8757-03	6.2230-01	1.8757-03	8.2345-04	2.3679-02	3.7077+04	4.7910-04	2.2400+00
81	469.61	3.5257+00	5.8686-01	1.7538-03	5.8686-01	1.7538-03	7.6990-04	2.2139-02	3.4666+04	4.4771-04	2.6360+00
82	463.34	3.5808+00	5.9529-01	1.7710-03	5.9529-01	1.7710-03	7.7746-04	2.2357-02	3.5007+04	4.5198-04	3.0250+00
83	464.72	3.5829+00	6.0150-01	1.7912-03	6.0150-01	1.7912-03	7.8634-04	2.2612-02	3.5406+04	4.5717-04	3.4150+00
401	613.80	1.1769+02	1.0759+01	3.5886-02	1.0759+01	3.5886-02	1.5754-02	4.5302-01	7.0934+05	9.2226-03	4.4500-01
403	575.80	7.7861+01	6.9655+00	2.2541-02	6.9655+00	2.2541-02	9.8953-03	2.8455-01	4.4555+05	5.7823-03	6.8600-01
404	575.00	7.9834+01	7.1386+00	2.3086-02	7.1386+00	2.3086-02	1.0135-02	2.9144-01	4.5634+05	5.9221-03	8.0100-01
405	538.76	6.3144+01	5.5253+00	1.7377-02	5.5253+00	1.7377-02	7.6284-03	2.1936-01	3.4348+05	4.4499-03	1.0510+00
406	591.70	-2.0258-02	-1.8290-03	-5.9934-06	-1.8290-03	-5.9934-06	-2.6311-06	-7.5660-05	-1.1847+02	-1.5386-06	1.1670+00
407	553.59	7.2233+01	6.4909+00	2.0646-02	6.4909+00	2.0646-02	9.0636-03	2.6064-01	4.0810+05	5.2908-03	1.2830+00
408	569.59	9.1132+01	8.1231+00	2.6159-02	8.1231+00	2.6159-02	1.1484-02	3.3024-01	5.1709+05	6.7087-03	5.1300-01
409	507.01	4.6001+01	3.9930+00	1.2262-02	3.9930+00	1.2262-02	5.3832-03	1.5480-01	2.4239+05	3.1357-03	5.7000-01
410	534.83	6.1271+01	5.4118+00	1.6969-02	5.4118+00	1.6969-02	7.4495-03	2.1422-01	3.3543+05	4.3448-03	6.2800-01
411	495.81	3.5730+01	3.0793+00	9.3788-03	3.0793+00	9.3788-03	4.1173-03	1.1840-01	1.8539+05	2.3971-03	6.8600-01
412	548.59	6.6535+01	5.9263+00	1.8778-02	5.9263+00	1.8778-02	8.2435-03	2.3705-01	3.7118+05	4.8110-03	7.4400-01
413	507.21	4.3885+01	3.8098+00	1.1702-02	3.8098+00	1.1702-02	5.1370-03	1.4772-01	2.3130+05	2.9923-03	8.0100-01
414	562.16	7.5595+01	6.7052+00	2.1469-02	6.7052+00	2.1469-02	9.4249-03	2.7103-01	4.2437+05	5.5039-03	8.5900-01
415	504.66	3.5330+01	3.0443+00	9.3328-03	3.0443+00	9.3328-03	4.0971-03	1.1782-01	1.8448+05	2.3863-03	9.1700-01
416	554.21	7.5044+01	6.5499+00	2.0844-02	6.5499+00	2.0844-02	9.1503-03	2.6313-01	4.1201+05	5.3416-03	5.7000-01
417	585.05	8.3915+01	7.6367+00	2.4893-02	7.6367+00	2.4893-02	1.0928-02	3.1425-01	4.9205+05	6.3886-03	1.0520+00

CONFIDENTIAL

158 4 1.80 -10.20 .00 -.00 404 2 2.60 10.13 755.3 1780.8

8.63384+01 1.57937-02 1.13461+00 4.61242+03 1.53477-05 6.99341-08 8.49210-02 7.72000+00 7.25215-06 7.44457-02

1	648.55	1.2940+02	2.3398+01	8.0312-02	2.3398+01	8.0312-02	3.5262-02	1.0139+00	1.5871+06	2.0666-02	.0000+00	
2	586.67	9.2251+01	1.4448+01	4.7162-02	1.4448+01	4.7162-02	2.0707-02	5.9537-01	9.3201+05	1.2099-02	1.1570-01	
3	534.97	5.7888+01	9.5391+00	2.9919-02	9.5391+00	2.9919-02	1.3136-02	3.7769-01	5.9125+05	7.6571-03	2.5000-01	
4	516.09	4.5257+01	7.4169+00	2.2935-02	7.4169+00	2.2935-02	1.0070-02	2.8953-01	4.5324+05	5.8647-03	4.8300-01	
5	501.87	3.5536+01	5.7535+00	1.7605-02	5.7535+00	1.7605-02	7.7295-03	2.2224-01	3.4790+05	4.4988-03	8.7000-01	
6	493.50	2.9780+01	4.8855+00	1.4857-02	4.8855+00	1.4857-02	6.5232-03	1.8756-01	2.9361+05	3.7953-03	1.2590+00	
7	492.55	2.6025+01	4.2538+00	1.2927-02	4.2538+00	1.2927-02	5.6757-03	1.6319-01	2.5546+05	3.3021-03	1.6500+00	
8	487.98	1.9059+01	3.2206+00	9.7546-03	3.2206+00	9.7546-03	4.2828-03	1.2314-01	1.9277+05	2.4912-03	1.7720+00	
9	473.89	4.6166+00	7.8440-01	2.3517-03	7.8440-01	2.3517-03	1.0325-03	2.9687-02	4.6473+04	6.0021-04	1.9200+00	
10	477.88	3.7351+00	6.4188-01	1.9299-03	6.4188-01	1.9299-03	8.4735-04	2.4363-02	3.8139+04	4.9266-04	2.2400+00	
11	468.82	3.5387+00	6.0974-01	1.8213-03	6.0974-01	1.8213-03	7.9968-04	2.2993-02	3.5993+04	4.6476-04	2.6360+00	
12	465.20	3.6177+00	6.2005-01	1.8473-03	6.2005-01	1.8473-03	8.1110-04	2.3321-02	3.6507+04	4.7132-04	3.0250+00	
13	468.95	3.6296+00	6.2366-01	1.8631-03	6.2366-01	1.8631-03	8.1801-04	2.3520-02	3.6819+04	4.7542-04	3.4150+00	
14	589.26	8.7422+01	1.3758+01	4.5004-02	1.3758+01	4.5004-02	1.9760-02	5.6814-01	8.8938+05	1.1547-02	1.1570-01	
15	524.15	5.0777+01	8.3636+00	2.6019-02	8.3636+00	2.6019-02	1.1424-02	3.2846-01	5.1418+05	6.6557-03	2.5000-01	
16	508.92	4.0871+01	6.6056+00	2.0318-02	6.6056+00	2.0318-02	8.9206-03	2.5649-01	4.0152+05	5.1937-03	4.8300-01	
17	496.78	3.1582+01	5.1126+00	1.5585-02	5.1126+00	1.5585-02	6.8428-03	1.9675-01	3.0799+05	3.9819-03	8.7000-01	
18	491.15	2.7981+01	4.5553+00	1.3829-02	4.5553+00	1.3829-02	6.0718-03	1.7458-01	2.7329+05	3.5323-03	1.2590+00	
19	488.79	2.3585+01	3.8693+00	1.1726-02	3.8693+00	1.1726-02	5.1485-03	1.4803-01	2.3173+05	2.9949-03	1.6500+00	
20	478.89	1.4243+01	2.4067+00	7.2416-03	2.4067+00	7.2416-03	3.1795-03	9.1418-02	1.4311+05	1.8487-03	1.7720+00	
21	497.78	3.1863+01	5.0971+00	1.5549-02	5.0971+00	1.5549-02	6.8271-03	1.9630-01	3.0729+05	3.9729-03	4.8300-01	
22	497.14	2.8947+01	4.7309+00	1.4425-02	4.7309+00	1.4425-02	6.3336-03	1.8211-01	2.8507+05	3.6856-03	8.7000-01	
23	490.03	2.5208+01	4.1136+00	1.2478-02	4.1136+00	1.2478-02	5.4786-03	1.5752-01	2.4659+05	3.1870-03	1.2590+00	
24	490.80	2.2368+01	3.6969+00	1.1220-02	3.6969+00	1.1220-02	4.9264-03	1.4165-01	2.2174+05	2.8659-03	1.6500+00	
25	483.76	1.5599+01	2.5975+00	7.8432-03	2.5975+00	7.8432-03	3.4436-03	9.9013-02	1.5500+05	2.0027-03	1.7720+00	
26	476.29	3.1932+00	5.4342-01	1.6320-03	5.4342-01	1.6320-03	7.1655-04	2.0603-02	3.2252+04	4.1658-04	1.9200+00	
27	467.37	2.6971+00	4.5628-01	1.3615-03	4.5628-01	1.3615-03	5.9779-04	1.7188-02	2.6906+04	3.4740-04	3.0250+00	
28	472.80	2.5771+00	4.3756-01	1.3108-03	4.3756-01	1.3108-03	5.7552-04	1.6547-02	2.5904+04	3.3454-04	3.4150+00	
29	500.69	3.3038+01	5.3451+00	1.6341-02	5.3451+00	1.6341-02	7.1746-03	2.0629-01	3.2293+05	4.1756-03	8.7000-01	
30	501.06	3.1886+01	5.2243+00	1.5976-02	5.2243+00	1.5976-02	7.0144-03	2.0168-01	3.1572+05	4.0825-03	1.2590+00	
31	497.13	2.6606+01	4.3886+00	1.3381-02	4.3886+00	1.3381-02	5.8752-03	1.6893-01	2.6444+05	3.4189-03	1.6500+00	
32	487.77	1.5608+01	2.6058+00	7.8913-03	2.6058+00	7.8913-03	3.4647-03	9.9620-02	1.5595+05	2.0153-03	1.7720+00	
33	479.49	2.3216+00	3.8897-01	1.1709-03	3.8897-01	1.1709-03	5.1408-04	1.4781-02	2.3139+04	2.9891-04	2.2400+00	
34	472.02	2.0317+00	3.3973-01	1.0171-03	3.3973-01	1.0171-03	4.4659-04	1.2841-02	2.0101+04	2.5959-04	3.0250+00	
35	509.92	4.0466+01	6.0915+00	1.8750-02	6.0915+00	1.8750-02	8.2324-03	2.3670-01	3.7054+05	4.7933-03	1.1570-01	
37	510.24	3.9016+01	6.1919+00	1.9064-02	6.1919+00	1.9064-02	8.3701-03	2.4066-01	3.7674+05	4.8735-03	1.2500+00	
38	483.70	3.5200+00	5.9492-01	1.7963-03	5.9492-01	1.7963-03	7.8868-04	2.2677-02	3.5499+04	4.5867-04	1.9200+00	
39	483.89	2.5143+00	4.2877-01	1.2948-03	4.2877-01	1.2948-03	5.6849-04	1.6345-02	2.5588+04	3.3062-04	2.2400+00	
40	471.82	1.3662+00	2.3453-01	7.0207-04	2.3453-01	7.0207-04	3.0825-04	8.8629-03	1.3874+04	1.7917-04	3.0250+00	
41	473.16	1.1169+00	1.9023-01	5.7001-04	1.9023-01	5.7001-04	2.5027-04	7.1958-03	1.1265+04	1.4548-04	3.4150+00	
42	521.28	4.4445+01	7.3076+00	2.2685-02	7.3076+00	2.2685-02	9.9599-03	2.8637-01	4.4829+05	5.8021-03	8.7000-01	
43	525.16	5.0816+01	8.5318+00	2.6562-02	8.5318+00	2.6562-02	1.1662-02	3.3532-01	5.2492+05	6.7950-03	1.2590+00	
44	524.46	4.1938+01	7.0597+00	2.1967-02	7.0597+00	2.1967-02	9.6450-03	2.7732-01	4.3412+05	5.6195-03	1.6500+00	
45	501.56	2.2330+01	3.7390+00	1.1438-02	3.7390+00	1.1438-02	5.0219-03	1.4439-01	2.2604+05	2.9229-03	1.7720+00	
46	491.43	4.5429+00	7.6940-01	2.3362-03	7.6940-01	2.3362-03	1.0257-03	2.9493-02	4.6169+04	5.9674-04	2.2400+00	
47	477.73	3.2644+00	5.5606-01	1.6717-03	5.5606-01	1.6717-03	7.3399-04	2.1104-02	3.3037+04	4.2675-04	3.0250+00	
48	489.88	2.6932+01	4.2863+00	1.3000-02	4.2863+00	1.3000-02	5.7079-03	1.6412-01	2.5691+05	3.3204-03	8.7000-01	
49	496.87	3.0118+01	4.9518+00	1.5096-02	4.9518+00	1.5096-02	6.6280-03	1.9057-01	2.9832+05	3.8569-03	1.2590+00	
50	505.95	3.2057+01	5.3989+00	1.6569-02	5.3989+00	1.6569-02	7.2750-03	2.0917-01	3.2745+05	4.2351-03	1.6500+00	
51	490.52	1.7391+01	2.8999+00	8.7996-03	2.8999+00	8.7996-03	3.8636-03	1.1109-01	1.7390+05	2.2476-03	1.7720+00	
52	479.45	1.8623+00	3.1481-01	9.4759-04	3.1481-01	9.4759-04	4.1605-04	1.1962-02	1.8726+04	2.4191-04	1.9200+00	
53	484.92	7.6208-01	1.2852-01	3.8840-04	1.2852-01	3.8840-04	1.7053-04	4.9032-03	7.6757+03	9.9181-05	2.2400+00	
54	477.61	8.7948-01	1.4761-01	4.4373-04	1.4761-01	4.4373-04	1.9482-04	5.6016-03	8.7689+03	1.1327-04	2.6360+00	
55	473.70	1.2104+00	2.0262-01	6.0738-04	2.0262-01	6.0738-04	2.6668-04	7.6676-03	1.2003+04	1.5502-04	3.0250+00	
56	470.29	2.0810+00	3.5067-01	1.0486-03	3.5067-01	1.0486-03	4.6040-04	1.3238-02	2.0723+04	2.6759-04	3.4150+00	
57	532.89	5.6602+01	8.6436+00	2.7067-02	8.6436+00	2.7067-02	1.1884-02	3.4170-01	5.3491+05	6.9267-03	1.1570-01	
58	492.69	2.9144+01	4.6761+00	1.4212-02	4.6761+00	1.4212-02	6.2398-03	1.7941-01	2.8085+05	3.6303-03	2.5000-01	
59	476.16	1.9042+01	3.0412+00	9.1326-03	3.0412+00	9.1326-03	4.0097-03	1.1529-01	1.8048+05	2.3311-03	4.8300-01	
60	489.73	2.7750+01	4.4717+00	1.3561-02	4.4717+00	1.3561-02	5.9541-03	1.7120-01	2.6800+05	3.4636-03	8.7000-01	
61	475.96	2.9340+00	4.7147-01	1.4156-03	4.7147-01	1.4156-03	6.2152-04	1.7870-02	2.7975+04	3.6133-04	1.2590+00	
62	465.96	1.1658+01	1.8666+00	5.5642-03	1.8666+00	5.5642-03	2.4430-03	7.0243-02	1.0996+05	1.4197-03	1.6500+00	
63	464.57	8.2265+00	1.3688+00	4.0762-03	1.3688+00	4.0762-03	1.7897-03	5.1458-02	8.0553+04	1.0399-03	1.7720+00	
64	474.77	1.4395+00	2.4544-01	7.3629-04	2.4544-01	7.3629-04	3.2328-04	9.2950-03	1.4551+04	1.8793-04	2.2400+00	
65	469.31	1.2109+00	2.0632-01	6.1650-04	2.0632-01	6.1650-04	2.7068-04	7.7827-03	1.2183+04	1.5732-04	3.0250+00	
66	527.13	5.3446+01	8.1328+00	2.5357-02	8.1328+00	2.5357-02	1.1133-02	3.2011-01	5.0111+05	6.4874-03	1.1570-01	
67	487.05	2.5938+01	4.0294+00	1.2196-02	4.0294+00	1.2196-02	5.3568-03	1.5396-01	2.4102+05	3.1146-03	2.5000-01	
68	470.06	1.7542+01	2.7904+00	8.3425-03	2.7904+00	8.3425-03	3.6629-03	1.0532-01	1.6487+05	2.1289-03	4.8300-01	
69	458.91	1.2591+01	1.9878+00	5.8958-03	1.9878+00	5.8958-03	2.5886-03	7.4429-02	1.1651+05	1.5038-03	8.7000-01	
70	452.27	9.9086+00	1.5864+00	4.6832-03	1.5864+00	4.6832-03	2.0562-03	5.9121-02	9.2550+04	1.1942-03	1.2590+00	
71	447.59	9.0499+00	1.4620+00	4.3015-03	1.4620+00	4.3015-03	1.8886-03	5.4302-02	8.5006+04	1.0966-03	1.6500+00	
72	446.50	7.1958+00	1.1862+00	3.4873-03	1.1862+00	3.4873-03	1.5311-03	4.4024-02	6.8916+04	8.8900-04	1.7720+00	
73	442.51	1.6307+00	2.6964-01	7.9053-04	2.6964-01	7.9053-04	3.4709-04	9.9796-03	1.5622+04	2.0149-04	1.9200+00	
74	453.95	7.5740-01	1.2697-01	3.7528-04	1.2697-01	3.7528-04	1.6477-04	4.7375-03	7.4162+03	9.5698-05	2.2400+00	
75	468.14	2.8260-01	4.7832-02	1.4281-04	4.7832-02	1.4281-04	6.2702-05	1.8028-03	2.8222+03	3.6440-05	3.0250+00	
76	468.30	2.3532-01	3.9951-02	1.1929-04	3.9951-02	1.1929-04	5.2377-05	1.5060-03	2.3575+03	3.0440-05	3.4150+00	
77	468.54	3.3117+00	5.5084-01	1.6451-03	5.5084-01	1.6451-03	7.2229-04	2.0768-02	3.2510+04	4.1978-04	2.6360+00	
78	460.34	3.3938+00	5.6808-01	1.6866-03	5.6808-01	1.6866-03	7.4053-04	2.1292-02	3.3331+04	4.3022-04	3.0250+00	
79	460.52	3.3974+00	5.7042-01	1.6938-03	5.7042-01	1.6938-03	7.4369-04	2.1383-02	3.3473+04	4.3206-04	3.4150+00	
80	482.40	3.5460+00	6.0589-01	1.8277-03	6.0589-01	1.8277-03	8.0246-04	2.3073-02	3.6119+04	4.6666-04	2.2400+00	
81	470.50	3.5481+00	5.9093-01	1.7673-03	5.9093-01	1.7673-03	7.7595-04	2.2311-02	3.4926+04	4.5100-04	2.6360+00	
82	464.25	3.6135+00	6.0110-01	1.7897-03	6.0110-01	1.7897-03	7.8577-04	2.2593-02	3.5368+04	4.5659-04	3.0250+00	
83	465.63	3.5475+00	5.9593-01	1.7760-03	5.9593-01	1.7760-03	7.7979-04	2.2421-02	3.5098+04	4.5314-04	3.4150+00	
401	642.65	1.1266+02	1.0463+01	3.5737-02	1.0463+01	3.5737-02	1.5691-02	4.5115-01	7.0624+05	9.1933-03	4.4500-01	
403	594.53	7.2969+01	6.5987+00	2.1675-02	6.5987+00	2.1675-02	9.5166-03	2.7362-01	4.2834+05	5.5627-03	6.8600-01	
404	594.31	7.5170+01	6.7969+00	2.2322-02	6.7969+00	2.2322-02	9.8007-03	2.8179-01	4.4113+05	5.7287-03	8.0100-01	
405	554.48	6.1704+01	5.4510+00	1.7353-02	5.4510+00	1.7353-02	7.6190-03	2.1906-01	3.4293+05	4.4451-03	1.0510+00	
406	591.69	-2.0755-03	-1.8739-04	-6.1413-07	-1.8739-04	-6.1413-07	-2.6964-07	-7.7528-06	-1.2136+01	-1.5759-07	1.1670+00	
407	571.30	6.9439+01	6.3057+00	2.0337-02	6.3057+00	2.0337-02	8.9292-03	2.5673-01	4.0190+05	5.2136-03	1.2830+00	
408	592.36	9.0432+01	8.1678+00	2.6783-02	8.1678+00	2.6783-02	1.1759-02	3.3810-01	5.2928+05	6.8729-03	5.1300-01	
409	518.60	4.6906+01	4.1015+00	1.2707-02	4.1015+00	1.2707-02	5.5789-03	1.6041-01	2.5111+05	3.2496-03	5.7000-01	
410	550.26	6.1674+01	5.4988+00	1.7448-02	5.4988+00	1.7448-02	7.6609-03	2.2027-01	3.4482+05	4.4687-03	6.2800-01	
411	505.04	3.7551+01	3.2555+00	9.9845-03	3.2555+00	9.9845-03	4.3838-03	1.2604-01	1.9731+05	2.5519-03	6.8600-01	
412	565.00	6.4695+01	5.8191+00	1.8676-02	5.8191+00	1.8676-02	8.1998-03	2.3576-01	3.6907+05	4.7864-03	7.4400-01	
413	518.13	4.3263+01	3.7819+00	1.1712-02	3.7819+00	1.1712-02	5.1423-03	1.4785-01	2.3146+05	2.9952-03	8.0100-01	
414	580.71	7.2799+01	6.5312+00	2.1220-02	6.5312+00	2.1220-02	9.3169-03	2.6788-01	4.1935+05	5.4424-03	8.5900-01	
415	513.55	3.5816+01	3.1036+00	9.5788-03	3.1036+00	9.5788-03	4.2057-03	1.2092-01	1.8930+05	2.4491-03	9.1700-01	
416	573.00	7.4837+01	6.6049+00	2.1330-02	6.6049+00	2.1330-02	9.3653-03	2.6928-01	4.2153+05	5.4687-03	5.7000-01	
417	605.36	7.8989+01	7.2721+00	2.4094-02	7.2721+00	2.4094-02	1.0579-02	3.0417-01	4.7615+05	6.1869-03	1.0520+00	

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158 4 1.80 -10.20 .00 -.00 404 2 3.10 10.13 755.3 1780.6

8.63294+01 1.57940-02 1.13462+00 4.61218+03 1.53495-05 6.99268-08 8.49358-02 7.72000+00 7.25129-06 7.44467-02

1	709.88	1.1594+02	2.1633+01	7.8206-02	2.1633+01	7.8206-02	3.4335-02	9.8728-01	1.5457+06	2.0205-02	.0000+00
2	631.73	8.7697+01	1.4085+01	4.7646-02	1.4085+01	4.7646-02	2.0918-02	6.0149-01	9.4170+05	1.2260-02	1.1570-01
3	563.51	5.6427+01	9.4599+00	3.0307-02	9.4599+00	3.0307-02	1.3306-02	3.8259-01	5.9900+05	7.7726-03	2.5000-01
4	538.50	4.4423+01	7.3821+00	2.3201-02	7.3821+00	2.3201-02	1.0186-02	2.9289-01	4.5856+05	5.9433-03	4.8300-01
5	519.48	3.4898+01	5.7135+00	1.7702-02	5.7135+00	1.7702-02	7.7716-03	2.2347-01	3.4986+05	4.5306-03	8.7000-01
6	508.26	2.9245+01	4.8434+00	1.4881-02	4.8434+00	1.4881-02	6.5333-03	1.8786-01	2.9412+05	3.8067-03	1.2590+00
7	505.51	2.5725+01	4.2400+00	1.3001-02	4.2400+00	1.3001-02	5.7077-03	1.6412-01	2.5695+05	3.3253-03	1.6500+00
8	497.39	1.8668+01	3.1739+00	9.6739-03	3.1739+00	9.6739-03	4.2471-03	1.2212-01	1.9120+05	2.4734-03	1.7720+00
9	476.23	4.7475+00	8.0789-01	2.4248-03	8.0789-01	2.4248-03	1.0645-03	3.0610-02	4.7924+04	6.1938-04	1.9200+00
10	479.76	3.7823+00	6.5081-01	1.9583-03	6.5081-01	1.9583-03	8.5976-04	2.4722-02	3.8705+04	5.0031-04	2.2400+00
11	470.67	3.6826+00	6.3532-01	1.8992-03	6.3532-01	1.8992-03	8.3380-04	2.3975-02	3.7536+04	4.8501-04	2.6360+00
12	467.01	3.6358+00	6.2392-01	1.8602-03	6.2392-01	1.8602-03	8.1670-04	2.3484-02	3.6766+04	4.7498-04	3.0250+00
13	470.75	3.6140+00	6.2173-01	1.8587-03	6.2173-01	1.8587-03	8.1601-04	2.3464-02	3.6735+04	4.7466-04	3.4150+00
14	632.02	8.3488+01	1.3457+01	4.5532-02	1.3457+01	4.5532-02	1.9990-02	5.7480-01	8.9992+05	1.1716-02	1.1570-01
15	549.27	4.9743+01	8.3205+00	2.6366-02	8.3205+00	2.6366-02	1.1575-02	3.3285-01	5.2111+05	6.7574-03	2.5000-01
16	529.14	3.9873+01	6.5265+00	2.0368-02	6.5265+00	2.0368-02	8.9419-03	2.5712-01	4.0255+05	5.2151-03	4.8300-01
17	512.46	3.1045+01	5.0762+00	1.5645-02	5.0762+00	1.5645-02	6.8687-03	1.9750-01	3.0922+05	4.0029-03	8.7000-01
18	505.07	2.7436+01	4.5068+00	1.3814-02	4.5068+00	1.3814-02	6.0649-03	1.7439-01	2.7303+05	3.5333-03	1.2590+00
19	500.49	2.3234+01	3.8407+00	1.1733-02	3.8407+00	1.1733-02	5.1511-03	1.4812-01	2.3189+05	3.0003-03	1.6500+00
20	486.01	1.4211+01	2.4126+00	7.2925-03	2.4126+00	7.2925-03	3.2016-03	9.2060-02	1.4413+05	1.8636-03	1.7720+00
21	513.71	3.1981+01	5.1681+00	1.5943-02	5.1681+00	1.5943-02	6.9995-03	2.0127-01	3.1511+05	4.0794-03	4.8300-01
22	511.36	2.7978+01	4.6143+00	1.4210-02	4.6143+00	1.4210-02	6.2385-03	1.7939-01	2.8085+05	3.6355-03	8.7000-01
23	502.56	2.4923+01	4.1001+00	1.2544-02	4.1001+00	1.2544-02	5.5074-03	1.5836-01	2.4793+05	3.2081-03	1.2590+00
24	501.93	2.2124+01	3.6829+00	1.1263-02	3.6829+00	1.1263-02	4.9448-03	1.4218-01	2.2260+05	2.8803-03	1.6500+00
25	491.48	1.5293+01	2.5594+00	7.7673-03	2.5594+00	7.7673-03	3.4101-03	9.8054-02	1.5352+05	1.9854-03	1.7720+00
26	477.91	3.2390+00	5.5179-01	1.6581-03	5.5179-01	1.6581-03	7.2797-04	2.0932-02	3.2772+04	4.2358-04	1.9200+00
27	468.68	2.6597+00	4.5035-01	1.3443-03	4.5035-01	1.3443-03	5.9020-04	1.6971-02	2.6570+04	3.4328-04	3.0250+00
28	474.07	2.5096+00	4.2645-01	1.2780-03	4.2645-01	1.2780-03	5.6106-04	1.6133-02	2.5258+04	3.2641-04	3.4150+00
29	517.45	3.3670+01	5.5055+00	1.7031-02	5.5055+00	1.7031-02	7.4772-03	2.1500-01	3.3661+05	4.3585-03	8.7000-01
30	516.76	3.1008+01	5.1314+00	1.5866-02	5.1314+00	1.5866-02	6.9656-03	2.0029-01	3.1358+05	4.0602-03	1.2590+00
31	510.36	2.6366+01	4.3858+00	1.3496-02	4.3858+00	1.3496-02	5.9253-03	1.7038-01	2.6675+05	3.4528-03	1.6500+00
32	495.59	1.5598+01	2.6175+00	7.9674-03	2.6175+00	7.9674-03	3.4979-03	1.0058-01	1.5747+05	2.0370-03	1.7720+00
33	480.64	2.2644+00	3.7968-01	1.1432-03	3.7968-01	1.1432-03	5.0190-04	1.4432-02	2.2595+04	2.9208-04	2.2400+00
34	473.06	1.9766+00	3.3075-01	9.9043-04	3.3075-01	9.9043-04	4.3483-04	1.2503-02	1.9575+04	2.5296-04	3.0250+00
35	530.50	4.1304+01	6.2983+00	1.9676-02	6.2983+00	1.9676-02	8.6381-03	2.4838-01	3.8887+05	5.0383-03	1.1570-01
37	529.62	3.8518+01	6.1875+00	1.9317-02	6.1875+00	1.9317-02	8.4806-03	2.4385-01	3.8178+05	4.9462-03	1.2500+00
38	485.51	3.6234+00	6.1312-01	1.8526-03	6.1312-01	1.8526-03	8.1335-04	2.3387-02	3.6616+04	4.7342-04	1.9200+00
39	485.14	2.5647+00	4.3772-01	1.3223-03	4.3772-01	1.3223-03	5.8051-04	1.6692-02	2.6134+04	3.3789-04	2.2400+00
40	472.48	1.4691+00	2.5229-01	7.5518-04	2.5229-01	7.5518-04	3.3155-04	9.5334-03	1.4926+04	1.9287-04	3.0250+00
41	473.73	1.1460+00	1.9526-01	5.8499-04	1.9526-01	5.8499-04	2.5683-04	7.3849-03	1.1562+04	1.4941-04	3.4150+00
42	543.06	4.2648+01	7.1070+00	2.2414-02	7.1070+00	2.2414-02	9.8404-03	2.8295-01	4.4300+05	5.7428-03	8.7000-01
43	550.68	5.0850+01	8.6719+00	2.7509-02	8.6719+00	2.7509-02	1.2077-02	3.4728-01	5.4370+05	7.0509-03	1.2590+00
44	545.22	4.1207+01	7.0258+00	2.2195-02	7.0258+00	2.2195-02	9.7441-03	2.8019-01	4.3866+05	5.6872-03	1.6500+00
45	512.75	2.2367+01	3.7719+00	1.1628-02	3.7719+00	1.1628-02	5.1049-03	1.4679-01	2.2981+05	2.9751-03	1.7720+00
46	493.73	4.5933+00	7.7909-01	2.3683-03	7.7909-01	2.3683-03	1.0397-03	2.9897-02	4.6807+04	6.0542-04	2.2400+00
47	479.42	3.3382+00	5.6926-01	1.7125-03	5.6926-01	1.7125-03	7.5184-04	2.1619-02	3.3847+04	4.3750-04	3.0250+00
48	503.63	2.8434+01	4.5656+00	1.3980-02	4.5656+00	1.3980-02	6.1375-03	1.7648-01	2.7630+05	3.5754-03	8.7000-01
49	511.94	3.0216+01	5.0160+00	1.5454-02	5.0160+00	1.5454-02	6.7846-03	1.9509-01	3.0543+05	3.9538-03	1.2590+00
50	521.75	3.1125+01	5.2945+00	1.6431-02	5.2945+00	1.6431-02	7.2139-03	2.0743-01	3.2476+05	4.2059-03	1.6500+00
51	499.08	1.6981+01	2.8473+00	8.6891-03	2.8473+00	8.6891-03	3.8148-03	1.0969-01	1.7174+05	2.2218-03	1.7720+00
52	480.40	1.9652+00	3.3240-01	1.0007-03	3.3240-01	1.0007-03	4.3932-04	1.2633-02	1.9778+04	2.5566-04	1.9200+00
53	485.33	7.8286-01	1.3206-01	3.9899-04	1.3206-01	3.9899-04	1.7517-04	5.0368-03	7.8857+03	1.0196-04	2.2400+00
54	478.04	8.4208-01	1.4137-01	4.2486-04	1.4137-01	4.2486-04	1.8653-04	5.3635-03	8.3971+03	1.0853-04	2.6360+00
55	474.31	1.2322+00	2.0636-01	6.1850-04	2.0636-01	6.1850-04	2.7154-04	7.8080-03	1.2224+04	1.5798-04	3.0250+00
56	471.31	2.0556+00	3.4662-01	1.0367-03	3.4662-01	1.0367-03	4.5512-04	1.3087-02	2.0489+04	2.6474-04	3.4150+00
57	561.31	5.6939+01	8.8458+00	2.8291-02	8.8458+00	2.8291-02	1.2421-02	3.5715-01	5.5916+05	7.2550-03	1.1570-01
58	507.20	2.9017+01	4.6993+00	1.4427-02	4.6993+00	1.4427-02	6.3339-03	1.8213-01	2.8514+05	3.6903-03	2.5000-01
59	485.68	1.8912+01	3.0395+00	9.1852-03	3.0395+00	9.1852-03	4.0326-03	1.1595-01	1.8154+05	2.3472-03	4.8300-01
60	503.32	2.6779+01	4.3532+00	1.3326-02	4.3532+00	1.3326-02	5.8507-03	1.6823-01	2.6339+05	3.4082-03	8.7000-01
61	477.44	2.9766+00	4.7878-01	1.4382-03	4.7878-01	1.4382-03	6.3143-04	1.8156-02	2.8426+04	3.6740-04	1.2590+00
62	471.92	1.2015+01	1.9314+00	5.7788-03	1.9314+00	5.7788-03	2.5371-03	7.2951-02	1.1421+05	1.4758-03	1.6500+00
63	468.71	8.3917+00	1.4001+00	4.1796-03	1.4001+00	4.1796-03	1.8350-03	5.2763-02	8.2607+04	1.0673-03	1.7720+00
64	475.48	1.4161+00	2.4156-01	7.2463-04	2.4156-01	7.2463-04	3.1813-04	9.1477-03	1.4322+04	1.8509-04	2.2400+00
65	469.93	1.2468+00	2.1251-01	6.3493-04	2.1251-01	6.3493-04	2.7875-04	8.0154-03	1.2549+04	1.6214-04	3.0250+00
66	554.03	5.3989+01	8.3513+00	2.6560-02	8.3513+00	2.6560-02	1.1661-02	3.3530-01	5.2495+05	6.8087-03	1.1570-01
67	500.02	2.6001+01	4.0733+00	1.2439-02	4.0733+00	1.2439-02	5.4612-03	1.5703-01	2.4585+05	3.1808-03	2.5000-01
68	478.80	1.7428+01	2.7884+00	8.3845-03	2.7884+00	8.3845-03	3.6811-03	1.0585-01	1.6571+05	2.1420-03	4.8300-01
69	465.17	1.2348+01	1.9577+00	5.8291-03	1.9577+00	5.8291-03	2.5592-03	7.3587-02	1.1521+05	1.4882-03	8.7000-01
70	457.29	1.0226+01	1.6429+00	4.8643-03	1.6429+00	4.8643-03	2.1356-03	6.1407-02	9.6139+04	1.2415-03	1.2590+00
71	451.96	8.6166+00	1.3962+00	4.1183-03	1.3962+00	4.1183-03	1.8080-03	5.1989-02	8.1395+04	1.0508-03	1.6500+00
72	450.07	6.6322+00	1.0959+00	3.2283-03	1.0959+00	3.2283-03	1.4173-03	4.0755-02	6.3806+04	8.2369-04	1.7720+00
73	443.36	1.6748+00	2.7711-01	8.1243-04	2.7711-01	8.1243-04	3.5668-04	1.0256-02	1.6057+04	2.0722-04	1.9200+00
74	454.30	7.4857-01	1.2552-01	3.7087-04	1.2552-01	3.7087-04	1.6282-04	4.6819-03	7.3301+03	9.4643-05	2.2400+00
75	468.28	4.0624-01	6.8766-02	2.0521-04	6.8766-02	2.0521-04	9.0095-05	2.5906-03	4.0559+03	5.2401-05	3.0250+00
76	468.42	2.5559-01	4.3395-02	1.2951-04	4.3395-02	1.2951-04	5.6860-05	1.6350-03	2.5597+03	3.3071-05	3.4150+00
77	470.22	3.4000+00	5.6617-01	1.6919-03	5.6617-01	1.6919-03	7.4280-04	2.1359-02	3.3440+04	4.3207-04	2.6360+00
78	461.99	3.3096+00	5.5461-01	1.6476-03	5.5461-01	1.6476-03	7.2336-04	2.0800-02	3.2565+04	4.2060-04	3.0250+00
79	462.24	3.4592+00	5.8148-01	1.7278-03	5.8148-01	1.7278-03	7.5855-04	2.1811-02	3.4148+04	4.4107-04	3.4150+00
80	484.18	3.6691+00	6.2766-01	1.8947-03	6.2766-01	1.8947-03	8.3183-04	2.3919-02	3.7448+04	4.8415-04	2.2400+00
81	472.30	3.5751+00	5.9614-01	1.7842-03	5.9614-01	1.7842-03	7.8331-04	2.2524-02	3.5263+04	4.5567-04	2.6360+00
82	466.05	3.5917+00	5.9819-01	1.7823-03	5.9819-01	1.7823-03	7.8248-04	2.2500-02	3.5226+04	4.5506-04	3.0250+00
83	467.37	3.5408+00	5.9549-01	1.7759-03	5.9549-01	1.7759-03	7.7969-04	2.2419-02	3.5100+04	4.5346-04	3.4150+00
401	696.31	1.0207+02	9.7472+00	3.4821-02	9.7472+00	3.4821-02	1.5288-02	4.3958-01	6.8822+05	8.9896-03	4.4500-01
403	628.88	6.5129+01	6.0036+00	2.0261-02	6.0036+00	2.0261-02	8.8953-03	2.5578-01	4.0045+05	5.2128-03	6.8600-01
404	629.73	6.7144+01	6.1923+00	2.0913-02	6.1923+00	2.0913-02	9.1812-03	2.6400-01	4.1332+05	5.3805-03	8.0100-01
405	584.32	5.7965+01	5.2113+00	1.6969-02	5.2113+00	1.6969-02	7.4499-03	2.1422-01	3.3538+05	4.3563-03	1.0510+00
406	591.72	3.3766-02	3.0486-03	9.9852-06	3.0486-03	9.9852-06	4.3838-06	1.2605-04	1.9735+02	2.5643-06	1.1670+00
407	604.65	6.4636+01	5.9831+00	1.9800-02	5.9831+00	1.9800-02	8.6926-03	2.4995-01	3.9133+05	5.0879-03	1.2830+00
408	637.04	8.7696+01	8.1197+00	2.7588-02	8.1197+00	2.7588-02	1.2112-02	3.4827-01	5.4525+05	7.1005-03	5.1300-01
409	542.47	4.8511+01	4.3049+00	1.3571-02	4.3049+00	1.3571-02	5.9579-03	1.7132-01	2.6821+05	3.4769-03	5.7000-01
410	581.14	6.1476+01	5.5820+00	1.8131-02	5.5820+00	1.8131-02	7.9601-03	2.2889-01	3.5835+05	4.6538-03	6.2800-01
411	524.52	3.9825+01	3.4953+00	1.0870-02	3.4953+00	1.0870-02	4.7723-03	1.3722-01	2.1484+05	2.7827-03	6.8600-01
412	596.44	6.1150+01	5.6014+00	1.8415-02	5.6014+00	1.8415-02	8.0849-03	2.3248-01	3.6397+05	4.7303-03	7.4400-01
413	539.40	4.1986+01	3.7189+00	1.1696-02	3.7189+00	1.1696-02	5.1349-03	1.4765-01	2.3116+05	2.9962-03	8.0100-01
414	615.76	6.7565+01	6.1833+00	2.0646-02	6.1833+00	2.0646-02	9.0643-03	2.6064-01	4.0806+05	5.3083-03	8.5900-01
415	531.72	3.6707+01	3.2171+00	1.0059-02	3.2171+00	1.0059-02	4.4163-03	1.2699-01	1.9881+05	2.5760-03	9.1700-01
416	610.21	7.3756+01	6.6496+00	2.2104-02	6.6496+00	2.2104-02	9.7042-03	2.7904-01	4.3687+05	5.6816-03	5.7000-01
417	642.54	6.9983+01	6.5759+00	2.2444-02	6.5759+00	2.2444-02	9.8535-03	2.8333-01	4.4359+05	5.7782-03	1.0520+00

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159 4 -3.13 -15.13 .00 -.00 404 2 1.90 10.13 754.8 1780.9

8.63481+01 1.57833-02 1.13385+00 4.61266+03 1.53358-05 6.99420-06 8.48504-02 7.72000+00 7.25307-06 7.44446-02

1	544.25	1.4489+02	2.4689+01	7.7958-02	2.4689+01	7.7958-02	3.4253-02	9.8494-01	1.5404+06	1.9964-02	.0000+00
2	523.88	1.0779+02	1.6259+01	5.0554-02	1.6259+01	5.0554-02	2.2212-02	6.3871-01	9.9892+05	1.2934-02	1.1570-01
3	498.28	6.7515+01	1.0872+01	3.3168-02	1.0872+01	3.3168-02	1.4573-02	4.1906-01	6.5539+05	8.4760-03	2.5000-01
4	489.54	5.2714+01	8.4935+00	2.5747-02	8.4935+00	2.5747-02	1.1313-02	3.2529-01	5.0875+05	6.5770-03	4.8300-01
5	483.29	4.0251+01	6.4389+00	1.9430-02	6.4389+00	1.9430-02	8.5371-03	2.4548-01	3.8393+05	4.9620-03	8.7000-01
6	480.08	3.2594+01	5.3005+00	1.5958-02	5.3005+00	1.5958-02	7.0115-03	2.0162-01	3.1532+05	4.0747-03	1.2590+00
7	483.24	2.8566+01	4.6409+00	1.4004-02	4.6409+00	1.4004-02	6.1530-03	1.7693-01	2.7671+05	3.5763-03	1.6500+00
8	484.74	2.2866+01	3.8559+00	1.1648-02	3.8559+00	1.1648-02	5.1178-03	1.4716-01	2.3016+05	2.9748-03	1.7720+00
9	480.67	6.1164+00	1.0439+00	3.1441-03	1.0439+00	3.1441-03	1.3814-03	3.9723-02	6.2125+04	8.0283-04	1.9200+00
10	486.44	5.1143+00	8.8386-01	2.6733-03	8.8386-01	2.6733-03	1.1746-03	3.3775-02	5.2822+04	6.8278-04	2.2400+00
11	478.21	5.0561+00	8.7665-01	2.6357-03	8.7665-01	2.6357-03	1.1581-03	3.3300-02	5.2080+04	6.7294-04	2.6360+00
12	474.17	5.2826+00	9.1085-01	2.7305-03	9.1085-01	2.7305-03	1.1997-03	3.4498-02	5.3953+04	6.9702-04	3.0250+00
13	475.98	5.2187+00	9.0091-01	2.7043-03	9.0091-01	2.7043-03	1.1882-03	3.4166-02	5.3435+04	6.9038-04	3.4150+00
14	528.84	9.8564+01	1.4963+01	4.6700-02	1.4963+01	4.6700-02	2.0519-02	5.9002-01	9.2277+05	1.1951-02	1.1570-01
15	491.01	5.6958+01	9.1861+00	2.7876-02	9.1861+00	2.7876-02	1.2248-02	3.5220-01	5.5082+05	7.1214-03	2.5000-01
16	483.71	4.5725+01	7.2708+00	2.1947-02	7.2708+00	2.1947-02	9.6431-03	2.7729-01	4.3367+05	5.6049-03	4.8300-01
17	478.88	3.5170+01	5.6273+00	1.6927-02	5.6273+00	1.6927-02	7.4372-03	2.1386-01	3.3447+05	4.3219-03	8.7000-01
18	475.48	2.8234+01	4.5495+00	1.3651-02	4.5495+00	1.3651-02	5.9980-03	1.7247-01	2.6974+05	3.4850-03	1.2590+00
19	478.32	2.4869+01	4.0519+00	1.2183-02	4.0519+00	1.2183-02	5.3530-03	1.5392-01	2.4073+05	3.1106-03	1.6500+00
20	476.36	1.5767+01	2.6598+00	7.9862-03	2.6598+00	7.9862-03	3.5089-03	1.0090-01	1.5780+05	2.0389-03	1.7720+00
21	479.11	3.6588+01	5.7820+00	1.7395-02	5.7820+00	1.7395-02	7.6429-03	2.1977-01	3.4372+05	4.4415-03	4.8300-01
22	478.09	2.9644+01	4.7849+00	1.4385-02	4.7849+00	1.4385-02	6.3203-03	1.8174-01	2.8423+05	3.6727-03	8.7000-01
23	475.95	2.5384+01	4.1042+00	1.2319-02	4.1042+00	1.2319-02	5.4128-03	1.5565-01	2.4342+05	3.1450-03	1.2590+00
24	478.90	2.1989+01	3.6060+00	1.0847-02	3.6060+00	1.0847-02	4.7658-03	1.3704-01	2.1433+05	2.7695-03	1.6500+00
25	477.97	1.6669+01	2.7651+00	8.3120-03	2.7651+00	8.3120-03	3.6521-03	1.0502-01	1.6424+05	2.1222-03	1.7720+00
26	478.66	3.9268+00	6.6930-01	2.0129-03	6.6930-01	2.0129-03	8.8442-04	2.5432-02	3.9774+04	5.1394-04	1.9200+00
27	470.00	3.3896+00	5.7443-01	1.7168-03	5.7443-01	1.7168-03	7.5434-04	2.1691-02	3.3924+04	4.3819-04	3.0250+00
28	474.55	3.1818+00	5.4085-01	1.6218-03	5.4085-01	1.6218-03	7.1258-04	2.0490-02	3.2046+04	4.1401-04	3.4150+00
29	486.13	4.1523+01	6.6547+00	2.0123-02	6.6547+00	2.0123-02	8.8415-03	2.5424-01	3.9762+05	5.1396-03	8.7000-01
30	483.11	3.5956+01	5.8231+00	1.7569-02	5.8231+00	1.7569-02	7.7196-03	2.2198-01	3.4716+05	4.4868-03	1.2590+00
31	479.78	2.2450+01	3.6614+00	1.1021-02	3.6614+00	1.1021-02	4.8422-03	1.3924-01	2.1776+05	2.8140-03	1.6500+00
32	479.48	1.4031+01	2.3299+00	7.0112-03	2.3299+00	7.0112-03	3.0806-03	8.8582-02	1.3854+05	1.7902-03	1.7720+00
33	480.29	2.6566+00	4.4534-01	1.3410-03	4.4534-01	1.3410-03	5.8918-04	1.6942-02	2.6497+04	3.4240-04	2.2400+00
34	471.86	2.5434+00	4.2525-01	1.2727-03	4.2525-01	1.2727-03	5.5918-04	1.6079-02	2.5147+04	3.2484-04	3.0250+00
35	480.78	2.4203+01	3.5754+00	1.0769-02	3.5754+00	1.0769-02	4.7318-03	1.3606-01	2.1280+05	2.7500-03	1.1570-01
36	482.02	3.8169+01	5.9482+00	1.7933-02	5.9482+00	1.7933-02	7.8793-03	2.2657-01	3.5434+05	4.5794-03	1.2500+00
37	482.95	2.3330+00	3.9411-01	1.1890-03	3.9411-01	1.1890-03	5.2240-04	1.5022-02	2.3493+04	3.0363-04	1.9200+00
38	483.01	1.7855+00	3.0430-01	9.1808-04	3.0430-01	9.1808-04	4.0338-04	1.1599-02	1.8141+04	2.3445-04	2.2400+00
39	474.42	1.5725+00	2.7039-01	8.1073-04	2.7039-01	8.1073-04	3.5621-04	1.0243-02	1.6020+04	2.0696-04	3.0250+00
40	472.58	1.8291+00	3.1141-01	9.3248-04	3.1141-01	9.3248-04	4.0971-04	1.1781-02	1.8425+04	2.3802-04	3.4150+00
41	479.18	2.9539+01	4.7272+00	1.4222-02	4.7272+00	1.4222-02	6.2490-03	1.7969-01	2.8103+05	3.6314-03	8.7000-01
42	489.59	4.0971+01	6.7250+00	2.0387-02	6.7250+00	2.0387-02	8.9574-03	2.5757-01	4.0283+05	5.2077-03	1.2590+00
43	487.58	2.7695+01	4.5538+00	1.3785-02	4.5538+00	1.3785-02	6.0567-03	1.7416-01	2.7238+05	3.5210-03	1.6500+00
44	486.48	1.7113+01	2.8375+00	8.5824-03	2.8375+00	8.5824-03	3.7709-03	1.0843-01	1.6958+05	2.1921-03	1.7720+00
45	489.50	3.7491+00	6.3416-01	1.9223-03	6.3416-01	1.9223-03	8.4463-04	2.4287-02	3.7984+04	4.9105-04	2.2400+00
46	474.14	1.5268+00	2.5945-01	7.7776-04	2.5945-01	7.7776-04	3.4173-04	9.8264-03	1.5368+04	1.9854-04	3.0250+00
47	471.88	2.6081+01	4.1019+00	1.2276-02	4.1019+00	1.2276-02	5.3938-03	1.5510-01	2.4257+05	3.1334-03	8.7000-01
48	491.18	6.0073+01	9.8405+00	2.9866-02	9.8405+00	2.9866-02	1.3122-02	3.7734-01	5.9014+05	7.6298-03	1.2590+00
49	489.30	4.1725+01	6.9522+00	2.1071-02	6.9522+00	2.1071-02	9.2581-03	2.6622-01	4.1635+05	5.3825-03	1.6500+00
50	480.43	1.7976+01	2.9777+00	8.9670-03	2.9777+00	8.9670-03	3.9399-03	1.1329-01	1.7718+05	2.2897-03	1.7720+00
51	482.07	1.3849+00	2.3451-01	7.0704-04	2.3451-01	7.0704-04	3.1066-04	8.9330-03	1.3971+04	1.8055-04	1.9200+00
52	487.08	2.5288+00	4.2708-01	1.2923-03	4.2708-01	1.2923-03	5.6782-04	1.6328-02	2.5536+04	3.3009-04	2.2400+00
53	478.91	1.5735+00	2.6432-01	7.9508-04	2.6432-01	7.9508-04	3.4934-04	1.0045-02	1.5710+04	2.0301-04	2.6360+00
54	472.85	2.0862+00	3.4904-01	1.0454-03	3.4904-01	1.0454-03	4.5930-04	1.3207-02	2.0656+04	2.6684-04	3.0250+00
55	467.97	1.5584+00	2.6221-01	7.8253-04	2.6221-01	7.8253-04	3.4383-04	9.8867-03	1.5462+04	1.9970-04	3.4150+00
56	487.93	4.7386+01	7.0330+00	2.1295-02	7.0330+00	2.1295-02	9.3564-03	2.6904-01	4.2077+05	5.4393-03	1.1570-01
57	468.99	2.3279+01	3.6773+00	1.0983-02	3.6773+00	1.0983-02	4.8255-03	1.3876-01	2.1701+05	2.8029-03	2.5000-01
58	460.92	1.4575+01	2.3042+00	6.8420-03	2.3042+00	6.8420-03	3.0062-03	8.6444-02	1.3519+05	1.7456-03	4.8300-01
59	469.41	2.8518+01	4.5343+00	1.3546-02	4.5343+00	1.3546-02	5.9519-03	1.7115-01	2.6767+05	3.4573-03	8.7000-01
60	478.92	3.4582+00	5.5678-01	1.6748-03	5.5678-01	1.6748-03	7.3588-04	2.1160-02	3.3094+04	4.2763-04	1.2590+00
61	468.99	2.5829+01	4.1440+00	1.2376-02	4.1440+00	1.2376-02	5.4379-03	1.5637-01	2.4455+05	3.1586-03	1.6500+00
62	465.44	1.4935+01	2.4864+00	7.4071-03	2.4864+00	7.4071-03	3.2545-03	9.3583-02	1.4636+05	1.8901-03	1.7720+00
63	475.36	6.8364-01	1.1661-01	3.4986-04	1.1661-01	3.4986-04	1.5372-04	4.4203-03	6.9132+03	8.9316-05	2.2400+00
64	468.45	6.7584-01	1.1508-01	3.4358-04	1.1508-01	3.4358-04	1.5096-04	4.3409-03	6.7889+03	8.7684-05	3.0250+00
65	483.95	4.2032+01	6.2221+00	1.8785-02	6.2221+00	1.8785-02	8.2537-03	2.3734-01	3.7118+05	4.7974-03	1.1570-01
66	465.69	1.9765+01	3.0273+00	9.0201-03	3.0273+00	9.0201-03	3.9632-03	1.1396-01	1.7823+05	2.3017-03	2.5000-01
67	455.00	1.1191+01	1.7621+00	5.2104-03	1.7621+00	5.2104-03	2.2893-03	6.5829-02	1.0295+05	1.3289-03	4.8300-01
68	446.22	5.7719+00	9.0341-01	2.6548-03	9.0341-01	2.6548-03	1.1664-03	3.3541-02	5.2457+04	6.7686-04	8.7000-01
69	439.21	4.8545+00	7.7028-01	2.2524-03	7.7028-01	2.2524-03	9.8965-04	2.8458-02	4.4506+04	5.7410-04	1.2590+00
70	437.36	4.3964+00	7.0521-01	2.0594-03	7.0521-01	2.0594-03	9.0487-04	2.6020-02	4.0694+04	5.2488-04	1.6500+00
71	438.43	3.9091+00	6.4078-01	1.8727-03	6.4078-01	1.8727-03	8.2282-04	2.3660-02	3.7004+04	4.7731-04	1.7720+00
72	440.51	1.1153+00	1.8417-01	5.3904-04	1.8417-01	5.3904-04	2.3684-04	6.8103-03	1.0651+04	1.3740-04	1.9200+00
73	452.48	6.3377-01	1.0614-01	3.1329-04	1.0614-01	3.1329-04	1.3765-04	3.9582-03	6.1904+03	7.9898-05	2.2400+00
74	466.43	4.8468-01	8.1941-02	2.4428-04	8.1941-02	2.4428-04	1.0733-04	3.0862-03	4.8268+03	6.2336-05	3.0250+00
75	466.50	3.0753-01	5.2147-02	1.5547-04	5.2147-02	1.5547-04	6.8308-05	1.9642-03	3.0719+03	3.9673-05	3.4150+00
76	476.41	4.6644+00	7.7992-01	2.3418-03	7.7992-01	2.3418-03	1.0289-03	2.9587-02	4.6273+04	5.9786-04	2.6360+00
77	467.49	4.6416+00	7.8068-01	2.3291-03	7.8068-01	2.3291-03	1.0233-03	2.9426-02	4.6021+04	5.9438-04	3.0250+00
78	466.25	4.7787+00	8.0545-01	2.4008-03	8.0545-01	2.4008-03	1.0549-03	3.0333-02	4.7439+04	6.1266-04	3.4150+00
79	490.71	5.1340+00	8.8201-01	2.6760-03	8.8201-01	2.6760-03	1.1758-03	3.3809-02	5.2876+04	6.8361-04	2.2400+00
80	479.22	4.8919+00	8.1948-01	2.4656-03	8.1948-01	2.4656-03	1.0833-03	3.1151-02	4.8719+04	6.2954-04	2.6360+00
81	472.58	5.1195+00	8.5638-01	2.5643-03	8.5638-01	2.5643-03	1.1267-03	3.2398-02	5.0669+04	6.5454-04	3.0250+00
82	472.32	5.1418+00	8.6762-01	2.5975-03	8.6762-01	2.5975-03	1.1413-03	3.2817-02	5.1325+04	6.6301-04	3.4150+00
401	582.49	1.5723+02	1.4120+01	4.5927-02	1.4120+01	4.5927-02	2.0179-02	5.8026-01	9.0750+05	1.1782-02	1.4500-01
403	545.74	1.0214+02	8.9754+00	2.8373-02	8.9754+00	2.8373-02	1.2466-02	3.5847-01	5.6064+05	7.2664-03	6.8600-01
404	544.52	9.5164+01	8.3564+00	2.6392-02	8.3564+00	2.6392-02	1.1596-02	3.3345-01	5.2149+05	6.7586-03	8.6100-01
405	513.57	5.8165+01	5.0107+00	1.5460-02	5.0107+00	1.5460-02	6.7929-03	1.9533-01	3.0549+05	3.9536-03	1.0510+00
406	591.71	-2.5974-03	-2.3451-04	-7.6834-07	-2.3451-04	-7.6834-07	-3.3759-07	-9.7074-06	-1.5182+01	-1.9720-07	1.1670+00
407	508.53	5.1542+01	4.5045+00	1.3847-02	4.5045+00	1.3847-02	6.0840-03	1.7494-01	2.7361+05	3.5402-03	1.2830+00
408	547.03	1.2315+02	1.0831+01	3.4272-02	1.0831+01	3.4272-02	1.5058-02	4.3300-01	6.7720+05	8.7776-03	5.1300-01
409	486.43	4.1304+01	3.5380+00	1.0701-02	3.5380+00	1.0701-02	4.7017-03	1.3520-01	2.1144+05	2.7331-03	5.7000-01
410	526.33	8.1519+01	7.1626+00	2.2312-02	7.1626+00	2.2312-02	9.8034-03	2.8190-01	4.4088+05	5.7091-03	6.2800-01
411	487.10	3.4900+01	2.9908+00	9.0500-03	2.9908+00	9.0500-03	3.9764-03	1.1434-01	1.7882+05	2.3116-03	6.8600-01
412	538.62	9.7292+01	8.6135+00	2.7082-02	8.6135+00	2.7082-02	1.1899-02	3.4216-01	5.3513+05	6.9334-03	7.4400-01
413	481.80	2.7596+01	2.3567+00	7.1038-03	2.3567+00	7.1038-03	3.1212-03	8.9751-02	1.4037+05	1.8140-03	8.0100-01
414	545.45	9.9946+01	8.7813+00	2.7754-02	8.7813+00	2.7754-02	1.2194-02	3.5065-01	5.4840+05	7.1076-03	8.5900-01
415	479.82	1.8462+01	1.5654+00	4.7118-03	1.5654+00	4.7118-03	2.0702-03	5.9530-02	9.3103+04	1.2031-03	9.1700-01
416	542.79	1.0210+02	8.8502+00	2.7915-02	8.8502+00	2.7915-02	1.2265-02	3.5268-01	5.5158+05	7.1480-03	5.7000-01
417	534.01	8.2913+01	7.3197+00	2.2934-02	7.3197+00	2.2934-02	1.0077-02	2.8975-01	4.5316+05	5.8702-03	1.0520+00

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8.63481+01 1.57833-02 1.13385+00 4.61266+03 1.53358-05 6.99420-08 8.48504-02 7.72000+00 7.25307-06 7.44446-02

1	579.93	1.3919+02	2.4225+01	7.8683-02	2.4225+01	7.8683-02	3.4571-02	9.9410-01	1.5547+06	2.0170-02	.0000+00
2	550.67	1.0542+02	1.6163+01	5.1320-02	1.6163+01	5.1320-02	2.2549-02	6.4840-01	1.0141+06	1.3138-02	1.1570-01
3	515.18	6.6808+01	1.0874+01	3.3613-02	1.0874+01	3.3613-02	1.4769-02	4.2468-01	6.6418+05	8.5913-03	2.5000-01
4	502.68	5.2173+01	8.4780+00	2.5964-02	8.4780+00	2.5964-02	1.1408-02	3.2804-01	5.1304+05	6.6325-03	4.8300-01
5	493.23	3.9596+01	6.3753+00	1.9389-02	6.3753+00	1.9389-02	8.5193-03	2.4497-01	3.8313+05	4.9509-03	8.7000-01
6	488.05	3.1937+01	5.2209+00	1.5819-02	5.2209+00	1.5819-02	6.9503-03	1.9986-01	3.1257+05	4.0382-03	1.2590+00
7	490.22	2.8012+01	4.5717+00	1.3874-02	4.5717+00	1.3874-02	6.0957-03	1.7528-01	2.7414+05	3.5420-03	1.6500+00
8	490.29	2.2164+01	3.7509+00	1.1383-02	3.7509+00	1.1383-02	5.0016-03	1.4382-01	2.2493+05	2.9063-03	1.7720+00
9	482.19	6.1558+00	1.0517+00	3.1729-03	1.0517+00	3.1729-03	1.3941-03	4.0087-02	6.2694+04	8.0977-04	1.9200+00
10	487.72	5.2042+00	9.0014-01	2.7266-03	9.0014-01	2.7266-03	1.1980-03	3.4449-02	5.3877+04	6.9605-04	2.2400+00
11	479.51	5.1481+00	8.9336-01	2.6900-03	8.9336-01	2.6900-03	1.1819-03	3.3986-02	5.3153+04	6.8644-04	2.6360+00
12	475.47	5.2753+00	9.1038-01	2.7332-03	9.1038-01	2.7332-03	1.2009-03	3.4533-02	5.4007+04	6.9736-04	3.0250+00
13	477.26	5.1294+00	8.8624-01	2.6642-03	8.8624-01	2.6642-03	1.1706-03	3.3660-02	5.2643+04	6.7980-04	3.4150+00
14	553.28	9.6642+01	1.4892+01	4.7378-02	1.4892+01	4.7378-02	2.0817-02	5.9859-01	9.3617+05	1.2130-02	1.1570-01
15	505.24	5.6365+01	9.1740+00	2.8149-02	9.1740+00	2.8149-02	1.2368-02	3.5564-01	5.5621+05	7.1914-03	2.5000-01
16	495.11	4.5271+01	7.2522+00	2.2087-02	7.2522+00	2.2087-02	9.7045-03	2.7905-01	4.3643+05	5.6401-03	4.8300-01
17	487.55	3.4666+01	5.5784+00	1.6896-02	5.5784+00	1.6896-02	7.4235-03	2.1346-01	3.3385+05	4.3130-03	8.7000-01
18	482.42	2.7838+01	4.5063+00	1.3598-02	4.5063+00	1.3598-02	5.9745-03	1.7180-01	2.6868+05	3.4704-03	1.2590+00
19	484.37	2.4415+01	3.9939+00	1.2069-02	3.9939+00	1.2069-02	5.3026-03	1.5248-01	2.3847+05	3.0804-03	1.6500+00
20	480.29	1.5742+01	2.6624+00	8.0214-03	2.6624+00	8.0214-03	3.5244-03	1.0134-01	1.5850+05	2.0470-03	1.7720+00
21	488.09	3.5662+01	5.6691+00	1.7177-02	5.6691+00	1.7177-02	7.5472-03	2.1702-01	3.3941+05	4.3850-03	4.8300-01
22	485.31	2.8811+01	4.6726+00	1.4129-02	4.6726+00	1.4129-02	6.2080-03	1.7851-01	2.7918+05	3.6065-03	8.7000-01
23	482.13	2.4877+01	4.0387+00	1.2184-02	4.0387+00	1.2184-02	5.3534-03	1.5394-01	2.4075+05	3.1096-03	1.2590+00
24	484.38	2.1967+01	3.6155+00	1.0925-02	3.6155+00	1.0925-02	4.8003-03	1.3803-01	2.1588+05	2.7885-03	1.6500+00
25	482.02	1.6314+01	2.7134+00	8.1853-03	2.7134+00	8.1853-03	3.5964-03	1.0342-01	1.6174+05	2.0890-03	1.7720+00
26	479.64	3.8956+00	6.6441-01	2.0008-03	6.6441-01	2.0008-03	8.7910-04	2.5279-02	3.9535+04	5.1058-04	1.9200+00
27	470.83	3.4405+00	5.8338-01	1.7456-03	5.8338-01	1.7456-03	7.6699-04	2.2055-02	3.4493+04	4.4529-04	3.0250+00
28	475.34	3.1974+00	5.4379-01	1.6325-03	5.4379-01	1.6325-03	7.1726-04	2.0625-02	3.2257+04	4.1650-04	3.4150+00
29	496.19	3.9692+01	6.4030+00	1.9516-02	6.4030+00	1.9516-02	8.5749-03	2.4657-01	3.8563+05	4.9839-03	8.7000-01
30	492.09	3.5654+01	5.8080+00	1.7649-02	5.8080+00	1.7649-02	7.7547-03	2.2299-01	3.4874+05	4.5064-03	1.2590+00
31	485.48	2.2860+01	3.7422+00	1.1317-02	3.7422+00	1.1317-02	4.9724-03	1.4298-01	2.2362+05	2.8887-03	1.6500+00
32	483.00	1.4031+01	2.3353+00	7.0495-03	2.3353+00	7.0495-03	3.0974-03	8.9066-02	1.3930+05	1.7992-03	1.7720+00
33	480.97	2.6779+00	4.4912-01	1.3538-03	4.4912-01	1.3538-03	5.9481-04	1.7104-02	2.6750+04	3.4548-04	2.2400+00
34	472.47	2.5278+00	4.2281-01	1.2667-03	4.2281-01	1.2667-03	5.5655-04	1.6004-02	2.5029+04	3.2314-04	3.0250+00
35	486.98	2.5393+01	3.7665+00	1.1403-02	3.7665+00	1.1403-02	5.0103-03	1.4407-01	2.2532+05	2.9109-03	1.1570-01
37	491.59	3.8203+01	5.9908+00	1.8198-02	5.9908+00	1.8198-02	7.9958-03	2.2992-01	3.5958+05	4.6463-03	1.2500+00
38	483.57	2.5574+00	4.3219-01	1.3052-03	4.3219-01	1.3052-03	5.7348-04	1.6491-02	2.5791+04	3.3313-04	1.9200+00
39	483.45	1.7590+00	2.9987-01	9.0553-04	2.9987-01	9.0553-04	3.9787-04	1.1441-02	1.7893+04	2.3112-04	2.2400+00
40	474.83	1.5704+00	2.7011-01	8.1059-04	2.7011-01	8.1059-04	3.5615-04	1.0241-02	1.6017+04	2.0681-04	3.0250+00
41	473.02	1.7906+00	3.0496-01	9.1397-04	3.0496-01	9.1397-04	4.0158-04	1.1547-02	1.8060+04	2.3317-04	3.4150+00
42	486.71	3.0224+01	4.8608+00	1.4713-02	4.8608+00	1.4713-02	6.4647-03	1.8589-01	2.9073+05	3.7558-03	8.7000-01
43	499.68	3.9443+01	6.5166+00	1.9913-02	6.5166+00	1.9913-02	8.7494-03	2.5159-01	3.9348+05	5.0861-03	1.2590+00
44	494.48	2.7636+01	4.5645+00	1.3895-02	4.5645+00	1.3895-02	6.1051-03	1.7555-01	2.7456+05	3.5481-03	1.6500+00
45	490.73	1.6956+01	2.8193+00	8.5588-03	2.8193+00	8.5588-03	3.7605-03	1.0813-01	1.6912+05	2.1852-03	1.7720+00
46	490.44	3.7231+00	6.3015-01	1.9126-03	6.3015-01	1.9126-03	8.4035-04	2.4164-02	3.7792+04	4.8830-04	2.2400+00
47	474.54	1.5553+00	2.6438-01	7.9321-04	2.6438-01	7.9321-04	3.4852-04	1.0022-02	1.5673+04	2.0237-04	3.0250+00
48	478.49	2.7025+01	4.2692+00	1.2845-02	4.2692+00	1.2845-02	5.6439-03	1.6229-01	2.5382+05	3.2778-03	8.7000-01
49	506.49	6.0731+01	1.0047+01	3.0856-02	1.0047+01	3.0856-02	1.3557-02	3.8984-01	6.0969+05	7.8833-03	1.2590+00
50	499.71	4.1278+01	6.9242+00	2.1159-02	6.9242+00	2.1159-02	9.2969-03	2.6733-01	4.1810+05	5.4044-03	1.6500+00
51	484.98	1.8222+01	3.0276+00	9.1525-03	3.0276+00	9.1525-03	4.0214-03	1.1564-01	1.8085+05	2.3362-03	1.7720+00
52	482.43	1.4727+00	2.4944-01	7.5267-04	2.4944-01	7.5267-04	3.3070-04	9.5094-03	1.4872+04	1.9209-04	1.9200+00
53	487.72	2.5403+00	4.2919-01	1.3001-03	4.2919-01	1.3001-03	5.7122-04	1.6425-02	2.5689+04	3.3188-04	2.2400+00
54	479.32	1.6353+00	2.7478-01	8.2727-04	2.7478-01	8.2727-04	3.6348-04	1.0452-02	1.6347+04	2.1111-04	2.6360+00
55	473.37	2.0925+00	3.5021-01	1.0498-03	3.5021-01	1.0498-03	4.6127-04	1.3264-02	2.0744+04	2.6783-04	3.0250+00
56	468.37	1.6187+00	2.7242-01	8.1371-04	2.7242-01	8.1371-04	3.5752-04	1.0281-02	1.6078+04	2.0755-04	3.4150+00
57	500.00	4.8677+01	7.2814+00	2.2256-02	7.2814+00	2.2256-02	9.7785-03	2.8118-01	4.3976+05	5.6844-03	1.1570-01
58	474.85	2.3497+01	3.7262+00	1.1182-02	3.7262+00	1.1182-02	4.9132-03	1.4128-01	2.2096+05	2.8530-03	2.5000-01
59	464.56	1.4566+01	2.3084+00	6.8764-03	2.3084+00	6.8764-03	3.0213-03	8.6879-02	1.3587+05	1.7536-03	4.8300-01
60	476.56	2.8385+01	4.5347+00	1.3625-02	4.5347+00	1.3625-02	5.9866-03	1.7215-01	2.6923+05	3.4765-03	8.7000-01
61	479.77	3.4935+00	5.6278-01	1.6949-03	5.6278-01	1.6949-03	7.4471-04	2.1414-02	3.3491+04	4.3253-04	1.2590+00
62	475.36	2.5268+01	4.0712+00	1.2222-02	4.0712+00	1.2222-02	5.3700-03	1.5442-01	2.4150+05	3.1183-03	1.6500+00
63	469.12	1.4677+01	2.4495+00	7.3205-03	2.4495+00	7.3205-03	3.2164-03	9.2489-02	1.4465+05	1.8672-03	1.7720+00
64	475.53	7.1169-01	1.2141-01	3.6452-04	1.2141-01	3.6452-04	1.6016-04	4.6054-03	7.2027+03	9.3004-05	2.2400+00
65	468.61	6.3948-01	1.0890-01	3.2535-04	1.0890-01	3.2535-04	1.4295-04	4.1106-03	6.4288+03	8.2986-05	3.0250+00
66	494.68	4.3349+01	6.4621+00	1.9674-02	6.4621+00	1.9674-02	8.6444-03	2.4857-01	3.8876+05	5.0240-03	1.1570-01
67	470.66	1.9918+01	3.0610+00	9.1582-03	3.0610+00	9.1582-03	4.0239-03	1.1571-01	1.8096+05	2.3361-03	2.5000-01
68	457.87	1.1543+01	1.8212+00	5.3992-03	1.8212+00	5.3992-03	2.3723-03	6.8215-02	1.0669+05	1.3765-03	4.8300-01
69	447.64	5.7397+00	8.9925-01	2.6467-03	8.9925-01	2.6467-03	1.1629-03	3.3439-02	5.2297+04	6.7446-04	8.7000-01
70	440.37	4.7543+00	7.5498-01	2.2107-03	7.5498-01	2.2107-03	9.7133-04	2.7931-02	4.3683+04	5.6319-04	1.2590+00
71	438.36	4.0966+00	6.5758-01	1.9228-03	6.5758-01	1.9228-03	8.4483-04	2.4293-02	3.7993+04	4.8979-04	1.6500+00
72	439.29	3.6052+00	5.9132-01	1.7302-03	5.9132-01	1.7302-03	7.6019-04	2.1859-02	3.4187+04	4.4075-04	1.7720+00
73	440.76	1.0816+00	1.7863-01	5.2320-04	1.7863-01	5.2320-04	2.2988-04	6.6103-03	1.0338+04	1.3329-04	1.9200+00
74	452.64	6.6649-01	1.1163-01	3.2972-04	1.1163-01	3.2972-04	1.4487-04	4.1658-03	6.5152+03	8.4043-05	2.2400+00
75	466.56	5.1896-01	8.7745-02	2.6175-04	8.7745-02	2.6175-04	1.1501-04	3.3071-03	5.1721+03	6.6758-05	3.0250+00
76	466.57	2.6805-01	4.5454-02	1.3560-04	4.5454-02	1.3560-04	5.9578-05	1.7132-03	2.6793+03	3.4583-05	3.4150+00
77	477.58	4.6239+00	7.7374-01	2.3265-03	7.7374-01	2.3265-03	1.0222-03	2.9394-02	4.5971+04	5.9365-04	2.6360+00
78	468.65	4.6431+00	7.8155-01	2.3350-03	7.8155-01	2.3350-03	1.0259-03	2.9501-02	4.6138+04	5.9557-04	3.0250+00
79	467.42	4.7288+00	7.9767-01	2.3810-03	7.9767-01	2.3810-03	1.0462-03	3.0082-02	4.7047+04	6.0728-04	3.4150+00
80	492.01	5.1361+00	8.8311-01	2.6834-03	8.8311-01	2.6834-03	1.1790-03	3.3903-02	5.3023+04	6.8515-04	2.2400+00
81	480.44	4.8831+00	8.1866-01	2.4667-03	8.1866-01	2.4667-03	1.0838-03	3.1166-02	4.8742+04	6.2951-04	2.6360+00
82	473.85	5.1112+00	8.5571-01	2.5661-03	8.5571-01	2.5661-03	1.1275-03	3.2421-02	5.0705+04	6.5467-04	3.0250+00
83	473.61	5.1049+00	8.6213-01	2.5849-03	8.6213-01	2.5849-03	1.1357-03	3.2659-02	5.1077+04	6.5946-04	3.4150+00
401	620.86	1.4836+02	1.3616+01	4.5698-02	1.3616+01	4.5698-02	2.0078-02	5.7736-01	9.0296+05	1.1737-02	4.4500-01
403	570.27	9.4680+01	8.4428+00	2.7216-02	8.4428+00	2.7216-02	1.1958-02	3.4385-01	5.3777+05	6.9736-03	6.8600-01
404	567.04	8.7065+01	7.7490+00	2.4917-02	7.7490+00	2.4917-02	1.0948-02	3.1481-01	4.9234+05	6.3836-03	8.0100-01
405	527.71	5.6115+01	4.8770+00	1.5217-02	4.8770+00	1.5217-02	6.6860-03	1.9226-01	3.0068+05	3.8915-03	1.0510+00
406	591.71	-2.5964-03	-2.3442-04	-7.6853-07	-2.3442-04	-7.6853-07	-3.3767-07	-9.7098-06	-1.5186+01	-1.9712-07	1.1670+00
407	521.03	4.9423+01	4.3535+00	1.3516-02	4.3535+00	1.3516-02	5.9385-03	1.7076-01	2.6707+05	3.4554-03	1.2830+00
408	576.62	1.1729+02	1.0498+01	3.4010-02	1.0498+01	3.4010-02	1.4943-02	4.2970-01	6.7203+05	8.7172-03	5.1300-01
409	496.87	4.2005+01	3.6225+00	1.1047-02	3.6225+00	1.1047-02	4.8537-03	1.3957-01	2.1828+05	2.8212-03	5.7000-01
410	546.48	8.0338+01	7.1466+00	2.2618-02	7.1466+00	2.2618-02	9.9380-03	2.8577-01	4.4693+05	5.7893-03	6.2800-01
411	495.81	3.5271+01	3.0397+00	9.2624-03	3.0397+00	9.2624-03	4.0697-03	1.1702-01	1.8302+05	2.3653-03	6.8600-01
412	562.36	9.2514+01	8.3084+00	2.6619-02	8.3084+00	2.6619-02	1.1696-02	3.3631-01	5.2597+05	6.8181-03	7.4400-01
413	488.94	2.9210+01	2.5062+00	7.5984-03	2.5062+00	7.5984-03	3.3386-03	9.6001-02	1.5014+05	1.9398-03	8.0100-01
414	569.30	9.1948+01	8.1945+00	2.6396-02	8.1945+00	2.6396-02	1.1598-02	3.3349-01	5.2156+05	6.7632-03	8.5900-01
415	484.39	1.8872+01	1.6050+00	4.8499-03	1.6050+00	4.8499-03	2.1309-03	6.1275-02	9.5832+04	1.2379-03	9.1700-01
416	567.88	9.9247+01	8.7330+00	2.8099-02	8.7330+00	2.8099-02	1.2346-02	3.5501-01	5.5523+05	7.1992-03	5.7000-01
417	554.20	7.8711+01	7.0344+00	2.2396-02	7.0344+00	2.2396-02	9.8401-03	2.8295-01	4.4252+05	5.7342-03	1.0520+00

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159 4 -3.14 -15.14 .00 -.00 404 2 2.40 10.13 754.8 1780.9

8.63481+01 1.57833-02 1.13385+00 4.61266+03 1.53358-05 6.99420-08 8.48504-02 7.72000+00 7.25307-06 7.44446-02

1	614.01	1.3299+02	2.3599+01	7.8748-02	2.3599+01	7.8748-02	3.4600-02	9.9493-01	1.5560+06	2.0223-02	.0000+00	
2	576.69	1.0257+02	1.5971+01	5.1734-02	1.5971+01	5.1734-02	2.2731-02	6.5363-01	1.0222+06	1.3262-02	1.1570-01	
3	531.77	6.5724+01	1.0809+01	3.3825-02	1.0809+01	3.3825-02	1.4862-02	4.2735-01	6.6836+05	8.6530-03	2.5000-01	
4	515.66	5.1559+01	8.4475+00	2.6117-02	8.4475+00	2.6117-02	1.1475-02	3.2997-01	5.1606+05	6.6764-03	4.8300-01	
5	503.07	3.9131+01	6.3404+00	1.9421-02	6.3404+00	1.9421-02	8.5329-03	2.4536-01	3.8374+05	4.9617-03	8.7000-01	
6	495.99	3.1666+01	5.2034+00	1.5855-02	5.2034+00	1.5855-02	6.9664-03	2.0032-01	3.1329+05	4.0496-03	1.2590+00	
7	497.20	2.7896+01	4.5733+00	1.3947-02	4.5733+00	1.3947-02	6.1282-03	1.7622-01	2.7559+05	3.5625-03	1.6500+00	
8	495.78	2.1773+01	3.6979+00	1.1266-02	3.6979+00	1.1266-02	4.9500-03	1.4234-01	2.2261+05	2.8774-03	1.7720+00	
9	483.74	6.2384+00	1.0669+00	3.2219-03	1.0669+00	3.2219-03	1.4156-03	4.0706-02	6.3663+04	8.2245-04	1.9200+00	
10	489.03	5.2743+00	9.1305-01	2.7680-03	9.1305-01	2.7680-03	1.2162-03	3.4972-02	5.4694+04	7.0675-04	2.2400+00	
11	480.83	5.0847+00	8.8312-01	2.6613-03	8.8312-01	2.6613-03	1.1693-03	3.3624-02	5.2586+04	6.7927-04	2.6360+00	
12	476.78	5.3039+00	9.1610-01	2.7526-03	9.1610-01	2.7526-03	1.2094-03	3.4778-02	5.4391+04	7.0245-04	3.0250+00	
13	478.54	5.1657+00	8.9327-01	2.6875-03	8.9327-01	2.6875-03	1.1808-03	3.3954-02	5.3103+04	6.8587-04	3.4150+00	
14	577.20	9.4469+01	1.4764+01	4.7844-02	1.4764+01	4.7844-02	2.1022-02	6.0448-01	9.4538+05	1.2265-02	1.1570-01	
15	519.23	5.5649+01	9.1381+00	2.8328-02	9.1381+00	2.8328-02	1.2446-02	3.5790-01	5.5974+05	7.2426-03	2.5000-01	
16	506.35	4.4748+01	7.2203+00	2.2169-02	7.2203+00	2.2169-02	9.7407-03	2.8009-01	4.3805+05	5.6649-03	4.8300-01	
17	496.19	3.4349+01	5.5584+00	1.6939-02	5.5584+00	1.6939-02	7.4427-03	2.1402-01	3.3471+05	4.3265-03	8.7000-01	
18	489.37	2.7721+01	4.5077+00	1.3669-02	4.5077+00	1.3669-02	6.0057-03	1.7269-01	2.7009+05	3.4901-03	1.2590+00	
19	490.48	2.4258+01	3.9840+00	1.2091-02	3.9840+00	1.2091-02	5.3123-03	1.5276-01	2.3890+05	3.0873-03	1.6500+00	
20	484.23	1.5738+01	2.6687+00	8.0622-03	2.6687+00	8.0622-03	3.5423-03	1.0186-01	1.5931+05	2.0581-03	1.7720+00	
21	496.85	3.4991+01	5.5941+00	1.7056-02	5.5941+00	1.7056-02	7.4941-03	2.1549-01	3.3702+05	4.3565-03	4.8300-01	
22	492.44	2.8376+01	4.6235+00	1.4051-02	4.6235+00	1.4051-02	6.1739-03	1.7753-01	2.7765+05	3.5883-03	8.7000-01	
23	488.34	2.4702+01	4.0265+00	1.2201-02	4.0265+00	1.2201-02	5.3606-03	1.5415-01	2.4108+05	3.1151-03	1.2590+00	
24	489.87	2.1910+01	3.6190+00	1.0978-02	3.6190+00	1.0978-02	4.8235-03	1.3870-01	2.1692+05	2.8031-03	1.6500+00	
25	486.09	1.6257+01	2.7112+00	8.2015-03	2.7112+00	8.2015-03	3.6035-03	1.0362-01	1.6206+05	2.0938-03	1.7720+00	
26	480.60	3.9361+00	6.7175-01	2.0240-03	6.7175-01	2.0240-03	8.8930-04	2.5572-02	3.9993+04	5.1660-04	1.9200+00	
27	471.69	3.4296+00	5.8187-01	1.7419-03	5.8187-01	1.7419-03	7.6537-04	2.2008-02	3.4420+04	4.4443-04	3.0250+00	
28	476.12	3.2390+00	5.5114-01	1.6552-03	5.5114-01	1.6552-03	7.2727-04	2.0913-02	3.2707+04	4.2239-04	3.4150+00	
29	505.92	3.8409+01	6.2347+00	1.9137-02	6.2347+00	1.9137-02	8.4083-03	2.4178-01	3.7814+05	4.8899-03	8.7000-01	
30	501.03	3.5033+01	5.7399+00	1.7555-02	5.7399+00	1.7555-02	7.7132-03	2.2179-01	3.4688+05	4.4847-03	1.2590+00	
31	491.25	2.2870+01	3.7579+00	1.1411-02	3.7579+00	1.1411-02	5.0137-03	1.4417-01	2.2547+05	2.9138-03	1.6500+00	
32	486.49	1.4005+01	2.3363+00	7.0695-03	2.3363+00	7.0695-03	3.1062-03	8.9318-02	1.3969+05	1.8049-03	1.7720+00	
33	481.63	2.6275+00	4.4086-01	1.3293-03	4.4086-01	1.3293-03	5.8407-04	1.6795-02	2.6267+04	3.3930-04	2.2400+00	
34	473.13	2.5979+00	4.3473-01	1.3028-03	4.3473-01	1.3028-03	5.7242-04	1.6460-02	2.5743+04	3.3241-04	3.0250+00	
35	493.47	2.6540+01	3.9532+00	1.2023-02	3.9532+00	1.2023-02	5.2828-03	1.5191-01	2.3758+05	3.0705-03	1.1570-01	
37	501.14	3.8109+01	6.0130+00	1.8392-02	6.0130+00	1.8392-02	8.0808-03	2.3236-01	3.6341+05	4.6984-03	1.2500+00	
38	484.22	2.6348+00	4.4547-01	1.3457-03	4.4547-01	1.3457-03	5.9129-04	1.7003-02	2.6591+04	3.4354-04	1.9200+00	
39	483.88	1.8332+00	3.1263-01	9.4421-04	3.1263-01	9.4421-04	4.1486-04	1.1929-02	1.8657+04	2.4103-04	2.2400+00	
40	475.21	1.5319+00	2.6356-01	7.9104-04	2.6356-01	7.9104-04	3.4756-04	9.9942-03	1.5631+04	2.0185-04	3.0250+00	
41	473.46	1.7761+00	3.0257-01	9.0697-04	3.0257-01	9.0697-04	3.9850-04	1.1459-02	1.7921+04	2.3142-04	3.4150+00	
42	494.32	3.0508+01	4.9308+00	1.5006-02	4.9308+00	1.5006-02	6.5933-03	1.8959-01	2.9651+05	3.8324-03	8.7000-01	
43	509.30	3.7804+01	6.2842+00	1.9337-02	6.2842+00	1.9337-02	8.4964-03	2.4431-01	3.8210+05	4.9419-03	1.2590+00	
44	501.38	2.7476+01	4.5584+00	1.3945-02	4.5584+00	1.3945-02	6.1270-03	1.7618-01	2.7554+05	3.5625-03	1.6500+00	
45	494.94	1.6838+01	2.8073+00	8.5476-03	2.8073+00	8.5476-03	3.7556-03	1.0799-01	1.6890+05	2.1830-03	1.7720+00	
46	491.36	3.6275+00	6.1434-01	1.8656-03	6.1434-01	1.8656-03	8.1970-04	2.3570-02	3.6863+04	4.7639-04	2.2400+00	
47	474.92	1.5803+00	2.6868-01	8.0623-04	2.6868-01	8.0623-04	3.5424-04	1.0186-02	1.5931+04	2.0573-04	3.0250+00	
48	485.29	2.7635+01	4.3850+00	1.3257-02	4.3850+00	1.3257-02	5.8249-03	1.6750-01	2.6196+05	3.3844-03	8.7000-01	
49	521.70	6.0276+01	1.0068+01	3.1267-02	1.0068+01	3.1267-02	1.3738-02	3.9503-01	6.1781+05	7.9950-03	1.2590+00	
50	509.97	4.0635+01	6.8611+00	2.1123-02	6.8611+00	2.1123-02	9.2808-03	2.6687-01	4.1738+05	5.3983-03	1.6500+00	
51	489.55	1.8362+01	3.0600+00	9.2801-03	3.0600+00	9.2801-03	4.0775-03	1.1725-01	1.8337+05	2.3696-03	1.7720+00	
52	482.82	1.5616+00	2.6455-01	7.9838-04	2.6455-01	7.9838-04	3.5079-04	1.0087-02	1.5776+04	2.0380-04	1.9200+00	
53	488.35	2.4504+00	4.1417-01	1.2550-03	4.1417-01	1.2550-03	5.5141-04	1.5856-02	2.4798+04	3.2042-04	2.2400+00	
54	479.74	1.6483+00	2.7704-01	8.3420-04	2.7704-01	8.3420-04	3.6653-04	1.0540-02	1.6483+04	2.1291-04	2.6360+00	
55	473.89	2.1242+00	3.5563-01	1.0663-03	3.5563-01	1.0663-03	4.6853-04	1.3473-02	2.1071+04	2.7209-04	3.0250+00	
56	468.78	1.6332+00	2.7494-01	8.2137-04	2.7494-01	8.2137-04	3.6089-04	1.0377-02	1.6230+04	2.0953-04	3.4150+00	
57	512.30	4.9488+01	7.4608+00	2.3009-02	7.4608+00	2.3009-02	1.0110-02	2.9070-01	4.5465+05	5.8810-03	1.1570-01	
58	480.74	2.3586+01	3.7539+00	1.1312-02	3.7539+00	1.1312-02	4.9701-03	1.4292-01	2.2352+05	2.8872-03	2.5000-01	
59	468.20	1.4538+01	2.3096+00	6.8969-03	2.3096+00	6.8969-03	3.0304-03	8.7138-02	1.3628+05	1.7594-03	4.8300-01	
60	483.63	2.8033+01	4.4994+00	1.3587-02	4.4994+00	1.3587-02	5.9697-03	1.7166-01	2.6847+05	3.4683-03	8.7000-01	
61	480.65	3.4925+00	5.6294-01	1.6962-03	5.6294-01	1.6962-03	7.4528-04	2.1431-02	3.3517+04	4.3294-04	1.2590+00	
62	481.61	2.4642+01	3.9867+00	1.2021-02	3.9867+00	1.2021-02	5.2817-03	1.5188-01	2.3753+05	3.0683-03	1.6500+00	
63	472.77	1.4482+01	2.4228+00	7.2587-03	2.4228+00	7.2587-03	3.1893-03	9.1708-02	1.4343+05	1.8520-03	1.7720+00	
64	475.70	6.8883-01	1.1752-01	3.5284-04	1.1752-01	3.5284-04	1.5503-04	4.4579-03	6.9720+03	9.0039-05	2.2400+00	
65	468.79	6.4727-01	1.1024-01	3.2935-04	1.1024-01	3.2935-04	1.4471-04	4.1611-03	6.5078+03	8.4018-05	3.0250+00	
66	505.66	4.4351+01	6.6583+00	2.0433-02	6.6583+00	2.0433-02	8.9779-03	2.5816-01	4.0375+05	5.2211-03	1.1570-01	
67	475.64	1.9999+01	3.0837+00	9.2581-03	3.0837+00	9.2581-03	4.0678-03	1.1697-01	1.8294+05	2.3625-03	2.5000-01	
68	460.77	1.1597+01	1.8333+00	5.4456-03	1.8333+00	5.4456-03	2.3927-03	6.8801-02	1.0760+05	1.3887-03	4.8300-01	
69	449.05	5.7262+00	8.9801-01	2.6453-03	8.9801-01	2.6453-03	1.1623-03	3.3421-02	5.2269+04	6.7424-04	8.7000-01	
70	441.56	4.7657+00	7.5742-01	2.2194-03	7.5742-01	2.2194-03	9.7514-04	2.8040-02	4.3854+04	5.6550-04	1.2590+00	
71	439.36	4.0660+00	6.5312-01	1.9108-03	6.5312-01	1.9108-03	8.3957-04	2.4142-02	3.7757+04	4.8683-04	1.6500+00	
72	440.20	3.5158+00	5.7703-01	1.6892-03	5.7703-01	1.6892-03	7.4219-04	2.1342-02	3.3378+04	4.3038-04	1.7720+00	
73	441.03	1.1314+00	1.8690-01	5.4745-04	1.8690-01	5.4745-04	2.4054-04	6.9166-03	1.0817+04	1.3949-04	1.9200+00	
74	452.80	6.5507-01	1.0973-01	3.2410-04	1.0973-01	3.2410-04	1.4240-04	4.0947-03	6.4040+03	8.2620-05	2.2400+00	
75	466.67	4.0675-01	6.8778-02	2.0516-04	6.8778-02	2.0516-04	9.0143-05	2.5921-03	4.0539+03	5.2332-05	3.0250+00	
76	466.60	2.3896-01	4.0523-02	1.2087-04	4.0523-02	1.2087-04	5.3108-05	1.5271-03	2.3884+03	3.0832-05	3.4150+00	
77	478.71	4.5683+00	7.6501-01	2.3019-03	7.6501-01	2.3019-03	1.0114-03	2.9082-02	4.5484+04	5.8747-04	2.6360+00	
78	469.81	4.6088+00	7.7638-01	2.3211-03	7.7638-01	2.3211-03	1.0198-03	2.9326-02	4.5864+04	5.9215-04	3.0250+00	
79	468.59	4.8047+00	8.1110-01	2.4228-03	8.1110-01	2.4228-03	1.0645-03	3.0610-02	4.7873+04	6.1806-04	3.4150+00	
80	493.28	5.0442+00	8.6801-01	2.6396-03	8.6801-01	2.6396-03	1.1598-03	3.3350-02	5.2158+04	6.7411-04	2.2400+00	
81	481.66	4.8894+00	8.2036-01	2.4737-03	8.2036-01	2.4737-03	1.0869-03	3.1253-02	4.8879+04	6.3140-04	2.6360+00	
82	475.11	5.0977+00	8.5416-01	2.5634-03	8.5416-01	2.5634-03	1.1263-03	3.2387-02	5.0652+04	6.5412-04	3.0250+00	
83	474.87	5.1034+00	8.6259-01	2.5883-03	8.6259-01	2.5883-03	1.1372-03	3.2701-02	5.1143+04	6.6045-04	3.4150+00	
401	656.80	1.3884+02	1.2991+01	4.4907-02	1.2991+01	4.4907-02	1.9731-02	5.6737-01	8.8735+05	1.1557-02	4.4500-01	
403	592.97	8.7984+01	7.9495+00	2.6084-02	7.9495+00	2.6084-02	1.1461-02	3.2955-01	5.1540+05	6.6917-03	6.8600-01	
404	587.84	8.0681+01	7.2683+00	2.3752-02	7.2683+00	2.3752-02	1.0436-02	3.0009-01	4.6932+05	6.0920-03	8.0100-01	
405	541.59	5.5186+01	4.8374+00	1.5251-02	4.8374+00	1.5251-02	6.7007-03	1.9268-01	3.0134+05	3.9032-03	1.0510+00	
406	591.71	-3.1154-03	-2.8128-04	-9.2200-07	-2.8128-04	-9.2200-07	-4.0511-07	-1.1649-05	-1.8218+01	-2.3652-07	1.1670+00	
407	533.18	4.7684+01	4.2321+00	1.3258-02	4.2321+00	1.3258-02	5.8251-03	1.6750-01	2.6197+05	3.3918-03	1.2830+00	
408	605.43	1.1370+02	1.0346+01	3.4285-02	1.0346+01	3.4285-02	1.5064-02	4.3317-01	6.7746+05	8.8010-03	5.1300-01	
409	507.43	4.2538+01	3.6934+00	1.1349-02	3.6934+00	1.1349-02	4.9866-03	1.4339-01	2.2425+05	2.9002-03	5.7000-01	
410	566.48	7.9358+01	7.1443+00	2.2959-02	7.1443+00	2.2959-02	1.0088-02	2.9007-01	4.5366+05	5.8828-03	6.2800-01	
411	504.69	3.5905+01	3.1121+00	9.5435-03	3.1121+00	9.5435-03	4.1932-03	1.2058-01	1.8858+05	2.4384-03	6.8600-01	
412	584.89	8.7871+01	7.9960+00	2.6069-02	7.9960+00	2.6069-02	1.1454-02	3.2936-01	5.1511+05	6.6854-03	7.4400-01	
413	496.46	3.0518+01	2.6312+00	8.0203-03	2.6312+00	8.0203-03	3.5239-03	1.0133-01	1.5848+05	2.0485-03	8.0100-01	
414	591.28	8.5131+01	7.6843+00	2.5180-02	7.6843+00	2.5180-02	1.1063-02	3.1813-01	4.9754+05	6.4593-03	8.5900-01	
415	489.17	1.9770+01	1.6866+00	5.1137-03	1.6866+00	5.1137-03	2.2468-03	6.4607-02	1.0104+05	1.3057-03	9.1700-01	
416	592.37	9.6808+01	8.6402+00	2.8337-02	8.6402+00	2.8337-02	1.2450-02	3.5801-01	5.5992+05	7.2695-03	5.7000-01	
417	573.34	7.4560+01	6.7394+00	2.1774-02	6.7394+00	2.1774-02	9.5670-03	2.7510-01	4.3024+05	5.5809-03	1.0520+00	

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159 4 -3.14 -15.14 .00 -.00 404 2 2.65 10.13 754.8 1780.3

8.63119+01 1.57844-02 1.13392+00 4.61169+03 1.53433-05 6.99127-08 8.49093-02 7.72000+00 7.24963-06 7.44487-02

1	646.45	1.2644+02	2.2837+01	7.8287-02	2.2837+01	7.8287-02	3.4388-02	9.8910-01	1.5476+06	2.0142-02	.0000+00
2	601.97	9.9712+01	1.5753+01	5.2077-02	1.5753+01	5.2077-02	2.2875-02	6.5795-01	1.0295+06	1.3369-02	1.1570-01
3	548.02	6.4593+01	1.0729+01	3.4002-02	1.0729+01	3.4002-02	1.4935-02	4.2959-01	6.7217+05	8.7069-03	2.5000-01
4	528.46	5.0903+01	8.4069+00	2.6250-02	8.4069+00	2.6250-02	1.1530-02	3.3165-01	5.1893+05	6.7159-03	4.8300-01
5	512.79	3.8723+01	6.3131+00	1.9483-02	6.3131+00	1.9483-02	8.5578-03	2.4615-01	3.8515+05	4.9810-03	8.7000-01
6	503.88	3.1459+01	5.1955+00	1.5928-02	5.1955+00	1.5928-02	6.9964-03	2.0124-01	3.1488+05	4.0705-03	1.2590+00
7	504.14	2.7754+01	4.5704+00	1.4014-02	4.5704+00	1.4014-02	6.1558-03	1.7706-01	2.7704+05	3.5815-03	1.6500+00
8	501.18	2.1526+01	3.6687+00	1.1225-02	3.6687+00	1.1225-02	4.9305-03	1.4182-01	2.2190+05	2.8682-03	1.7720+00
9	485.30	6.2857+00	1.0761+00	3.2542-03	1.0761+00	3.2542-03	1.4294-03	4.1115-02	6.4332+04	8.3096-04	1.9200+00
10	490.37	5.2805+00	9.1493-01	2.7772-03	9.1493-01	2.7772-03	1.2199-03	3.5088-02	5.4902+04	7.0931-04	2.2400+00
11	482.09	5.0426+00	8.7655-01	2.6447-03	8.7655-01	2.6447-03	1.1617-03	3.3414-02	5.2283+04	6.7523-04	2.6360+00
12	478.12	5.3216+00	9.1997-01	2.7677-03	9.1997-01	2.7677-03	1.2157-03	3.4968-02	5.4715+04	7.0651-04	3.0250+00
13	479.84	5.2488+00	9.0842-01	2.7364-03	9.0842-01	2.7364-03	1.2020-03	3.4572-02	5.4096+04	6.9857-04	3.4150+00
14	600.53	9.2180+01	1.4601+01	4.8212-02	1.4601+01	4.8212-02	2.1177-02	6.0912-01	9.5309+05	1.2376-02	1.1570-01
15	533.04	5.5037+01	9.1154+00	2.8561-02	9.1154+00	2.8561-02	1.2545-02	3.6084-01	5.6461+05	7.3086-03	2.5000-01
16	517.48	4.4275+01	7.1946+00	2.2280-02	7.1946+00	2.2280-02	9.7867-03	2.8150-01	4.4046+05	5.6975-03	4.8300-01
17	504.74	3.4073+01	5.5440+00	1.7007-02	5.5440+00	1.7007-02	7.4705-03	2.1487-01	3.3621+05	4.3465-03	8.7000-01
18	496.28	2.7623+01	4.5121+00	1.3755-02	4.5121+00	1.3755-02	6.0422-03	1.7379-01	2.7193+05	3.5142-03	1.2590+00
19	496.50	2.4052+01	3.9657+00	1.2092-02	3.9657+00	1.2092-02	5.3114-03	1.5277-01	2.3904+05	3.0892-03	1.6500+00
20	488.14	1.5682+01	2.6660+00	8.0794-03	2.6660+00	8.0794-03	3.5489-03	1.0208-01	1.5972+05	2.0633-03	1.7720+00
21	505.54	3.4682+01	5.5756+00	1.7114-02	5.5756+00	1.7114-02	7.5174-03	2.1622-01	3.3832+05	4.3740-03	4.8300-01
22	499.47	2.7969+01	4.5779+00	1.3989-02	4.5779+00	1.3989-02	6.1447-03	1.7674-01	2.7654+05	3.5743-03	8.7000-01
23	494.48	2.4521+01	4.0130+00	1.2218-02	4.0130+00	1.2218-02	5.3668-03	1.5436-01	2.4153+05	3.1211-03	1.2590+00
24	495.33	2.1797+01	3.6132+00	1.1007-02	3.6132+00	1.1007-02	4.8351-03	1.3907-01	2.1760+05	2.8120-03	1.6500+00
25	490.15	1.6031+01	2.6805+00	8.1353-03	2.6805+00	8.1353-03	3.5735-03	1.0278-01	1.6083+05	2.0778-03	1.7720+00
26	481.58	3.9408+00	6.7298-01	2.0298-03	6.7298-01	2.0298-03	8.9158-04	2.5645-02	4.0126+04	5.1821-04	1.9200+00
27	472.56	3.4821+00	5.9111-01	1.7712-03	5.9111-01	1.7712-03	7.7803-04	2.2378-02	3.5015+04	4.5203-04	3.0250+00
28	476.95	3.2909+00	5.6029-01	1.6842-03	5.6029-01	1.6842-03	7.3979-04	2.1279-02	3.3295+04	4.2990-04	3.4150+00
29	515.36	3.7236+01	6.0807+00	1.8801-02	6.0807+00	1.8801-02	8.2584-03	2.3754-01	3.7167+05	4.8073-03	8.7000-01
30	509.65	3.3800+01	5.5685+00	1.7144-02	5.5685+00	1.7144-02	7.5307-03	2.1661-01	3.3892+05	4.3825-03	1.2590+00
31	496.93	2.2759+01	3.7535+00	1.1448-02	3.7535+00	1.1448-02	5.0288-03	1.4464-01	2.2632+05	2.9248-03	1.6500+00
32	489.98	1.4006+01	2.3418+00	7.1062-03	2.3418+00	7.1062-03	3.1214-03	8.9782-02	1.4048+05	1.8149-03	1.7720+00
33	482.28	2.6187+00	4.3956-01	1.3264-03	4.3956-01	1.3264-03	5.8263-04	1.6758-02	2.6222+04	3.3865-04	2.2400+00
34	473.78	2.5725+00	4.3066-01	1.2916-03	4.3066-01	1.2916-03	5.6734-04	1.6318-02	2.5533+04	3.2964-04	3.0250+00
35	500.25	2.7577+01	4.1258+00	1.2615-02	4.1258+00	1.2615-02	5.5410-03	1.5938-01	2.4938+05	3.2233-03	1.1570-01
37	510.65	3.8020+01	6.0354+00	1.8596-02	6.0354+00	1.8596-02	8.1682-03	2.3494-01	3.6762+05	4.7538-03	1.2500+00
38	484.90	2.7273+00	4.6130-01	1.3947-03	4.6130-01	1.3947-03	6.1262-04	1.7621-02	2.7571+04	3.5612-04	1.9200+00
39	484.36	1.8717+00	3.1928-01	9.6492-04	3.1928-01	9.6492-04	4.2385-04	1.2191-02	1.9075+04	2.4638-04	2.2400+00
40	475.58	1.4852+00	2.5558-01	7.6751-04	2.5558-01	7.6751-04	3.3713-04	9.6970-03	1.5173+04	1.9590-04	3.0250+00
41	473.90	1.8047+00	3.0753-01	9.2238-04	3.0753-01	9.2238-04	4.0516-04	1.1654-02	1.8234+04	2.3541-04	3.4150+00
42	501.98	3.0696+01	4.9857+00	1.5263-02	4.9857+00	1.5263-02	6.7045-03	1.9284-01	3.0174+05	3.9004-03	8.7000-01
43	518.56	3.6447+01	6.0942+00	1.8888-02	6.0942+00	1.8888-02	8.2966-03	2.3863-01	3.7339+05	4.8302-03	1.2590+00
44	508.25	2.7298+01	4.5487+00	1.3990-02	4.5487+00	1.3990-02	6.1453-03	1.7676-01	2.7657+05	3.5760-03	1.6500+00
45	499.14	1.6758+01	2.8016+00	8.5589-03	2.8016+00	8.5589-03	3.7595-03	1.0814-01	1.6920+05	2.1868-03	1.7720+00
46	492.26	3.5865+00	6.0775-01	1.8473-03	6.0775-01	1.8473-03	8.1145-04	2.3340-02	3.6520+04	4.7186-04	2.2400+00
47	475.31	1.6296+00	2.7715-01	8.3210-04	2.7715-01	8.3210-04	3.6551-04	1.0513-02	1.6450+04	2.1238-04	3.0250+00
48	492.40	2.8518+01	4.5461+00	1.3820-02	4.5461+00	1.3820-02	6.0704-03	1.7460-01	2.7320+05	3.5300-03	8.7000-01
49	536.70	5.9310+01	9.9985+00	3.1415-02	9.9985+00	3.1415-02	1.3799-02	3.9690-01	6.2103+05	8.0403-03	1.2590+00
50	520.05	3.9909+01	6.7814+00	2.1041-02	6.7814+00	2.1041-02	9.2424-03	2.6584-01	4.1596+05	5.3812-03	1.6500+00
51	494.14	1.8437+01	3.0817+00	9.3802-03	3.0817+00	9.3802-03	4.1203-03	1.1851-01	1.8544+05	2.3962-03	1.7720+00
52	483.21	1.6587+00	2.8108-01	8.4876-04	2.8108-01	8.4876-04	3.7232-04	1.0723-02	1.6779+04	2.1671-04	1.9200+00
53	488.94	2.4182+00	4.0889-01	1.2399-03	4.0889-01	1.2399-03	5.4461-04	1.5665-02	2.4511+04	3.1665-04	2.2400+00
54	480.16	1.6753+00	2.8165-01	8.4861-04	2.8165-01	8.4861-04	3.7276-04	1.0722-02	1.6776+04	2.1664-04	2.6360+00
55	474.43	2.1922+00	3.6716-01	1.1017-03	3.6716-01	1.1017-03	4.8391-04	1.3919-02	2.1779+04	2.8117-04	3.0250+00
56	469.19	1.5309+00	2.5778-01	7.7056-04	2.5778-01	7.7056-04	3.3847-04	9.7355-03	1.5233+04	1.9662-04	3.4150+00
57	524.78	5.0061+01	7.6065+00	2.3685-02	7.6065+00	2.3685-02	1.0404-02	2.9925-01	4.6823+05	6.0587-03	1.1570-01
58	486.64	2.3614+01	3.7739+00	1.1424-02	3.7739+00	1.1424-02	5.0181-03	1.4434-01	2.2584+05	2.9173-03	2.5000-01
59	471.82	1.4572+01	2.3207+00	6.9503-03	2.3207+00	6.9503-03	3.0529-03	8.7812-02	1.3740+05	1.7737-03	4.8300-01
60	490.59	2.7640+01	4.4565+00	1.3530-02	4.4565+00	1.3530-02	5.9429-03	1.7094-01	2.6746+05	3.4556-03	8.7000-01
61	481.51	3.5039+00	5.6511-01	1.7043-03	5.6511-01	1.7043-03	7.4863-04	2.1533-02	3.3692+04	4.3512-04	1.2590+00
62	487.69	2.4046+01	3.9059+00	1.1833-02	3.9059+00	1.1833-02	5.1977-03	1.4950-01	2.3392+05	3.0219-03	1.6500+00
63	476.38	1.4317+01	2.4010+00	7.2144-03	2.4010+00	7.2144-03	3.1690-03	9.1149-02	1.4262+05	1.8415-03	1.7720+00
64	475.88	7.1065-01	1.2126-01	3.6421-04	1.2126-01	3.6421-04	1.5998-04	4.6016-03	7.2001+03	9.2963-05	2.2400+00
65	468.94	6.1455-01	1.0468-01	3.1285-04	1.0468-01	3.1285-04	1.3742-04	3.9527-03	6.1848+03	7.9829-05	3.0250+00
66	516.86	4.5121+01	6.8221+00	2.1117-02	6.8221+00	2.1117-02	9.2758-03	2.6680-01	4.1746+05	5.3998-03	1.1570-01
67	480.66	2.0100+01	3.1095+00	9.3723-03	3.1095+00	9.3723-03	4.1168-03	1.1841-01	1.8528+05	2.3927-03	2.5000-01
68	463.66	1.1515+01	1.8238+00	5.4301-03	1.8238+00	5.4301-03	2.3852-03	6.8605-02	1.0735+05	1.3852-03	4.8300-01
69	450.51	5.4582+00	8.5683-01	2.5273-03	8.5683-01	2.5273-03	1.1101-03	3.1931-02	4.9962+04	6.4436-04	8.7000-01
70	442.75	4.7486+00	7.5532-01	2.2157-03	7.5532-01	2.2157-03	9.7327-04	2.7994-02	4.3802+04	5.6473-04	1.2590+00
71	440.39	4.1294+00	6.6378-01	1.9439-03	6.6378-01	1.9439-03	8.5389-04	2.4560-02	3.8430+04	4.9541-04	1.6500+00
72	441.06	3.4249+00	5.6245-01	1.6480-03	5.6245-01	1.6480-03	7.2388-04	2.0821-02	3.2579+04	4.1999-04	1.7720+00
73	441.33	1.1465+00	1.8943-01	5.5513-04	1.8943-01	5.5513-04	2.4384-04	7.0136-03	1.0974+04	1.4148-04	1.9200+00
74	452.95	6.5299-01	1.0939-01	3.2323-04	1.0939-01	3.2323-04	1.4198-04	4.0838-03	6.3899+03	8.2419-05	2.2400+00
75	466.77	3.9013-01	6.5972-02	1.9686-04	6.5972-02	1.9686-04	8.6471-05	2.4872-03	3.8917+03	5.0227-05	3.0250+00
76	466.67	3.0702-01	5.2066-02	1.5535-04	5.2066-02	1.5535-04	6.8240-05	1.9628-03	3.0712+03	3.9637-05	3.4150+00
77	479.85	4.6364+00	7.7699-01	2.3405-03	7.7699-01	2.3405-03	1.0281-03	2.9571-02	4.6269+04	5.9750-04	2.6360+00
78	470.96	4.6078+00	7.7680-01	2.3250-03	7.7680-01	2.3250-03	1.0213-03	2.9374-02	4.5962+04	5.9330-04	3.0250+00
79	469.81	4.8930+00	8.2668-01	2.4722-03	8.2668-01	2.4722-03	1.0859-03	3.1235-02	4.8873+04	6.3085-04	3.4150+00
80	494.51	5.0255+00	8.6548-01	2.6351-03	8.6548-01	2.6351-03	1.1575-03	3.3292-02	5.2093+04	6.7314-04	2.2400+00
81	482.89	4.9179+00	8.2583-01	2.4931-03	8.2583-01	2.4931-03	1.0951-03	3.1499-02	4.9286+04	6.3655-04	2.6360+00
82	476.39	5.1481+00	8.6334-01	2.5941-03	8.6334-01	2.5941-03	1.1395-03	3.2775-02	5.1283+04	6.6214-04	3.0250+00
83	476.14	5.0810+00	8.5954-01	2.5822-03	8.5954-01	2.5822-03	1.1343-03	3.2625-02	5.1048+04	6.5910-04	3.4150+00
401	690.27	1.2943+02	1.2322+01	4.3843-02	1.2322+01	4.3843-02	1.9258-02	5.5393-01	8.6673+05	1.1305-02	4.4500-01
403	614.12	8.2079+01	7.5048+00	2.5054-02	7.5048+00	2.5054-02	1.1005-02	3.1654-01	4.9528+05	6.4357-03	6.8600-01
404	607.22	7.5415+01	6.8690+00	2.2804-02	6.8690+00	2.2804-02	1.0017-02	2.8811-01	4.5081+05	5.8558-03	8.0100-01
405	555.30	5.3795+01	4.7546+00	1.5153-02	4.7546+00	1.5153-02	6.6558-03	1.9144-01	2.9955+05	3.8815-03	1.0510+00
406	591.71	-3.1142-03	-2.8117-04	-9.2194-07	-2.8117-04	-9.2194-07	-4.0497-07	-1.1648-05	-1.8226+01	-2.3657-07	1.1670+00
407	544.86	4.5870+01	4.1002+00	1.2963-02	4.1002+00	1.2963-02	5.6940-03	1.6378-01	2.5626+05	3.3190-03	1.2830+00
408	633.45	1.1024+02	1.0187+01	3.4549-02	1.0187+01	3.4549-02	1.5176-02	4.3651-01	6.8300+05	8.8833-03	5.1300-01
409	518.13	4.3170+01	3.7737+00	1.1692-02	3.7737+00	1.1692-02	5.1359-03	1.4772-01	2.3114+05	2.9900-03	5.7000-01
410	586.21	7.8200+01	7.1215+00	2.3249-02	7.1215+00	2.3249-02	1.0212-02	2.9374-01	4.5961+05	5.9642-03	6.2800-01
411	513.75	3.6619+01	3.1922+00	9.8584-03	3.1922+00	9.8584-03	4.3303-03	1.2455-01	1.9489+05	2.5205-03	6.8600-01
412	606.27	8.3397+01	7.6818+00	2.5483-02	7.6818+00	2.5483-02	1.1193-02	3.2196-01	5.0376+05	6.5434-03	7.4400-01
413	504.25	3.1643+01	2.7419+00	8.4081-03	2.7419+00	8.4081-03	3.6933-03	1.0623-01	1.6622+05	2.1488-03	8.0100-01
414	611.72	7.9328+01	7.2436+00	2.4135-02	7.2436+00	2.4135-02	1.0601-02	3.0493-01	4.7712+05	6.1989-03	8.5900-01
415	494.24	2.0956+01	1.7937+00	5.4600-03	1.7937+00	5.4600-03	2.3984-03	6.8984-02	1.0794+05	1.3948-03	9.1700-01
416	616.26	9.4250+01	8.5258+00	2.8511-02	8.5258+00	2.8511-02	1.2524-02	3.6022-01	5.6364+05	7.3246-03	5.7000-01
417	591.46	7.0569+01	6.4459+00	2.1131-02	6.4459+00	2.1131-02	9.2821-03	2.6698-01	4.1774+05	5.4222-03	1.0520+00

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159 4 -3.14 -15.14 .00 -.00 404 2 3.15 10.13 754.8 1780.1

8.63029+01 1.57846-02 1.13394+00 4.61145+03 1.53451-05 6.99053-08 8.49240-02 7.72000+00 7.24877-06 7.44497-02

1	706.46	1.1379+02	2.1196+01	7.6448-02	2.1196+01	7.6448-02	3.3578-02	9.6586-01	1.5115+06	1.9742-02	.0000+00
2	650.39	9.3654+01	1.5193+01	5.2230-02	1.5193+01	5.2230-02	2.2941-02	6.5989-01	1.0327+06	1.3449-02	1.1570-01
3	579.91	6.2780+01	1.0627+01	3.4505-02	1.0627+01	3.4505-02	1.5155-02	4.3594-01	6.8220+05	8.8543-03	2.5000-01
4	553.60	4.9759+01	8.3448+00	2.6547-02	8.3448+00	2.6547-02	1.1660-02	3.3541-01	5.2487+05	6.8039-03	4.8300-01
5	531.98	3.8051+01	6.2784+00	1.9647-02	6.2784+00	1.9647-02	8.6294-03	2.4823-01	3.8844+05	5.0303-03	8.7000-01
6	519.49	3.1013+01	5.1728+00	1.6036-02	5.1728+00	1.6036-02	7.0435-03	2.0260-01	3.1705+05	4.1035-03	1.2590+00
7	517.97	2.7428+01	4.5565+00	1.4109-02	4.5565+00	1.4109-02	6.1972-03	1.7826-01	2.7896+05	3.6102-03	1.6500+00
8	511.85	2.1070+01	3.6155+00	1.1145-02	3.6155+00	1.1145-02	4.8950-03	1.4081-01	2.2035+05	2.8508-03	1.7720+00
9	488.47	6.4551+00	1.1073+00	3.3551-03	1.1073+00	3.3551-03	1.4737-03	4.2390-02	6.6335+04	8.5734-04	1.9200+00
10	492.95	5.2618+00	9.1321-01	2.7760-03	9.1321-01	2.7760-03	1.2193-03	3.5073-02	5.4885+04	7.0950-04	2.2400+00
11	484.61	5.1460+00	8.9599-01	2.7071-03	8.9599-01	2.7071-03	1.1890-03	3.4203-02	5.3524+04	6.9164-04	2.6360+00
12	480.78	5.2899+00	9.1610-01	2.7602-03	9.1610-01	2.7602-03	1.2123-03	3.4873-02	5.4573+04	7.0507-04	3.0250+00
13	482.47	5.2556+00	9.1117-01	2.7487-03	9.1117-01	2.7487-03	1.2073-03	3.4728-02	5.4345+04	7.0219-04	3.4150+00
14	645.44	8.7306+01	1.4174+01	4.8526-02	1.4174+01	4.8526-02	2.1314-02	6.1310-01	9.5943+05	1.2492-02	1.1570-01
15	560.27	5.3923+01	9.0793+00	2.9033-02	9.0793+00	2.9033-02	1.2752-02	3.6681-01	5.7401+05	7.4432-03	2.5000-01
16	539.33	4.3231+01	7.1205+00	2.2407-02	7.1205+00	2.2407-02	9.8416-03	2.8309-01	4.4301+05	5.7389-03	4.8300-01
17	521.63	3.3566+01	5.5202+00	1.7140-02	5.5202+00	1.7140-02	7.5285-03	2.1656-01	3.3889+05	4.3865-03	8.7000-01
18	510.05	2.7390+01	4.5135+00	1.3894-02	4.5135+00	1.3894-02	6.1028-03	1.7555-01	2.7471+05	3.5539-03	1.2590+00
19	508.49	2.3845+01	3.9618+00	1.2182-02	3.9618+00	1.2182-02	5.3505-03	1.5391-01	2.4085+05	3.1156-03	1.6500+00
20	495.95	1.5642+01	2.6727+00	8.1425-03	2.6727+00	8.1425-03	3.5764-03	1.0287-01	1.6099+05	2.0814-03	1.7720+00
21	522.78	3.4555+01	5.6160+00	1.7453-02	5.6160+00	1.7453-02	7.6658-03	2.2051-01	3.4507+05	4.4667-03	4.8300-01
22	513.33	2.7441+01	4.5312+00	1.3983-02	4.5312+00	1.3983-02	6.1416-03	1.7666-01	2.7646+05	3.5771-03	8.7000-01
23	506.69	2.4337+01	4.0143+00	1.2327-02	4.0143+00	1.2327-02	5.4142-03	1.5574-01	2.4371+05	3.1524-03	1.2590+00
24	506.18	2.1597+01	3.6050+00	1.1066-02	3.6050+00	1.1066-02	4.8604-03	1.3981-01	2.1878+05	2.8299-03	1.6500+00
25	498.05	1.5694+01	2.6377+00	8.0482-03	2.6377+00	8.0482-03	3.5350-03	1.0168-01	1.5912+05	2.0575-03	1.7720+00
26	483.62	4.1184+00	7.0426-01	2.1263-03	7.0426-01	2.1263-03	9.3393-04	2.6864-02	4.2040+04	5.4322-04	1.9200+00
27	474.30	3.4769+00	5.9091-01	1.7721-03	5.9091-01	1.7721-03	7.7834-04	2.2389-02	3.5036+04	4.5253-04	3.0250+00
28	478.60	3.2665+00	5.5674-01	1.6748-03	5.5674-01	1.6748-03	7.3561-04	2.1160-02	3.3113+04	4.2777-04	3.4150+00
29	533.44	3.5505+01	5.8636+00	1.8369-02	5.8636+00	1.8369-02	8.0682-03	2.3208-01	3.6318+05	4.7035-03	8.7000-01
30	525.92	3.1530+01	5.2478+00	1.6347-02	5.2478+00	1.6347-02	7.1802-03	2.0654-01	3.2321+05	4.1844-03	1.2590+00
31	508.31	2.2725+01	3.7753+00	1.1607-02	3.7753+00	1.1607-02	5.0980-03	1.4664-01	2.2948+05	2.9686-03	1.6500+00
32	496.98	1.4056+01	2.3608+00	7.1976-03	2.3608+00	7.1976-03	3.1614-03	9.0937-02	1.4231+05	1.8399-03	1.7720+00
33	483.60	2.7642+00	4.6438-01	1.4020-03	4.6438-01	1.4020-03	6.1581-04	1.7714-02	2.7720+04	3.5819-04	2.2400+00
34	475.08	2.5875+00	4.3356-01	1.3009-03	4.3356-01	1.3009-03	5.7140-04	1.6436-02	2.5721+04	3.3223-04	3.0250+00
35	514.51	2.9068+01	4.3884+00	1.3554-02	4.3884+00	1.3554-02	5.9533-03	1.7125-01	2.6798+05	3.4676-03	1.1570-01
37	529.61	3.7800+01	6.0722+00	1.8968-02	6.0722+00	1.8968-02	8.3311-03	2.3964-01	3.7502+05	4.8559-03	1.2500+00
38	486.30	2.8712+00	4.8609-01	1.4705-03	4.8609-01	1.4705-03	6.4587-04	1.8578-02	2.9073+04	3.7571-04	1.9200+00
39	485.30	1.8894+00	3.2249-01	9.7487-04	3.2249-01	9.7487-04	4.2819-04	1.2317-02	1.9274+04	2.4907-04	2.2400+00
40	476.36	1.5855+00	2.7298-01	8.1986-04	2.7298-01	8.1986-04	3.6010-04	1.0358-02	1.6210+04	2.0939-04	3.0250+00
41	474.82	1.8130+00	3.0913-01	9.2740-04	3.0913-01	9.2740-04	4.0734-04	1.1717-02	1.8336+04	2.3683-04	3.4150+00
42	517.34	3.0516+01	5.0051+00	1.5491-02	5.0051+00	1.5491-02	6.8042-03	1.9572-01	3.0629+05	3.9637-03	8.7000-01
43	536.17	3.4116+01	5.7671+00	1.8105-02	5.7671+00	1.8105-02	7.9520-03	2.2874-01	3.5795+05	4.6363-03	1.2590+00
44	521.71	2.6681+01	4.4837+00	1.3923-02	4.4837+00	1.3923-02	6.1154-03	1.7591-01	2.7528+05	3.5632-03	1.6500+00
45	507.49	1.6706+01	2.8079+00	8.6275-03	2.8079+00	8.6275-03	3.7894-03	1.0900-01	1.7058+05	2.2065-03	1.7720+00
46	494.00	3.5283+00	5.9856-01	1.8209-03	5.9856-01	1.8209-03	7.9980-04	2.3006-02	3.6002+04	4.6542-04	2.2400+00
47	476.11	1.5351+00	2.6120-01	7.8435-04	2.6120-01	7.8435-04	3.4451-04	9.9098-03	1.5508+04	2.0032-04	3.0250+00
48	506.74	2.8651+01	4.6097+00	1.4156-02	4.6097+00	1.4156-02	6.2174-03	1.7884-01	2.7987+05	3.6201-03	8.7000-01
49	565.77	5.6660+01	9.7203+00	3.1215-02	9.7203+00	3.1215-02	1.3711-02	3.9438-01	6.1717+05	8.0049-03	1.2590+00
50	539.63	3.8513+01	6.6240+00	2.0849-02	6.6240+00	2.0849-02	9.1574-03	2.6341-01	4.1221+05	5.3400-03	1.6500+00
51	503.35	1.8487+01	3.1083+00	9.5213-03	3.1083+00	9.5213-03	4.1820-03	1.2029-01	1.8825+05	2.4346-03	1.7720+00
52	484.13	1.8894+00	3.2036-01	9.6758-04	3.2036-01	9.6758-04	4.2498-04	1.2225-02	1.9130+04	2.4720-04	1.9200+00
53	490.14	2.3610+00	3.9954-01	1.2120-03	3.9954-01	1.2120-03	5.3236-04	1.5313-02	2.3963+04	3.0974-04	2.2400+00
54	480.99	1.7304+00	2.9107-01	8.7714-04	2.9107-01	8.7714-04	3.8526-04	1.1082-02	1.7342+04	2.2406-04	2.6360+00
55	475.52	2.1340+00	3.5767-01	1.0736-03	3.5767-01	1.0736-03	4.7154-04	1.3564-02	2.1226+04	2.7417-04	3.0250+00
56	469.94	1.5481+00	2.6080-01	7.7967-04	2.6080-01	7.7967-04	3.4245-04	9.8505-03	1.5415+04	1.9906-04	3.4150+00
57	550.06	5.0898+01	7.8544+00	2.4919-02	7.8544+00	2.4919-02	1.0945-02	3.1484-01	4.9269+05	6.3856-03	1.1570-01
58	498.44	2.3671+01	3.8121+00	1.1635-02	3.8121+00	1.1635-02	5.1103-03	1.4700-01	2.3004+05	2.9744-03	2.5000-01
59	479.15	1.4765+01	2.3629+00	7.1109-03	2.3629+00	7.1109-03	3.1233-03	8.9842-02	1.4059+05	1.8163-03	4.8300-01
60	504.21	2.6949+01	4.3834+00	1.3436-02	4.3834+00	1.3436-02	5.9013-03	1.6975-01	2.6564+05	3.4356-03	8.7000-01
61	483.27	3.5434+00	5.7213-01	1.7269-03	5.7213-01	1.7269-03	7.5852-04	2.1819-02	3.4144+04	4.4118-04	1.2590+00
62	499.46	2.3058+01	3.7740+00	1.1527-02	3.7740+00	1.1527-02	5.0630-03	1.4564-01	2.2791+05	2.9470-03	1.6500+00
63	483.40	1.3848+01	2.3331+00	7.0431-03	2.3331+00	7.0431-03	3.0935-03	8.8985-02	1.3925+05	1.7993-03	1.7720+00
64	476.24	7.5688-01	1.2918-01	3.8794-04	1.2918-01	3.8794-04	1.7039-04	4.9013-03	7.6700+03	9.9075-05	2.2400+00
65	469.23	6.4571-01	1.1001-01	3.2871-04	1.1001-01	3.2871-04	1.4438-04	4.1530-03	6.4990+03	8.3923-05	3.0250+00
66	539.78	4.6353+01	7.1086+00	2.2377-02	7.1086+00	2.2377-02	9.8285-03	2.8272-01	4.4242+05	5.7314-03	1.1570-01
67	490.74	2.0273+01	3.1570+00	9.5813-03	3.1570+00	9.5813-03	4.2083-03	1.2105-01	1.8943+05	2.4486-03	2.5000-01
68	469.40	1.1469+01	1.8236+00	5.4495-03	1.8236+00	5.4495-03	2.3936-03	6.8851-02	1.0774+05	1.3913-03	4.8300-01
69	453.10	5.4234+00	8.5287-01	2.5192-03	8.5287-01	2.5192-03	1.1065-03	3.1828-02	4.9808+04	6.4272-04	8.7000-01
70	445.10	4.7948+00	7.6392-01	2.2437-03	7.6392-01	2.2437-03	9.8549-04	2.8348-02	4.4361+04	5.7223-04	1.2590+00
71	442.46	4.1881+00	6.7417-01	1.9764-03	6.7417-01	1.9764-03	8.6810-04	2.4971-02	3.9076+04	5.0401-04	1.6500+00
72	442.75	3.4997+00	5.7540-01	1.6872-03	5.7540-01	1.6872-03	7.4107-04	2.1317-02	3.3358+04	4.3026-04	1.7720+00
73	441.89	1.1496+00	1.9002-01	5.5684-04	1.9002-01	5.5684-04	2.4458-04	7.0352-03	1.1009+04	1.4260-04	1.9200+00
74	453.27	6.6442-01	1.1133-01	3.2889-04	1.1133-01	3.2889-04	1.4446-04	4.1553-03	6.5026+03	8.3911-05	2.2400+00
75	466.93	4.7065-01	7.9596-02	2.3744-04	7.9596-02	2.3744-04	1.0429-04	2.9999-03	4.6945+03	6.0615-05	3.0250+00
76	466.83	2.9403-01	4.9868-02	1.4875-04	4.9868-02	1.4875-04	6.5334-05	1.8793-03	2.9409+03	3.7973-05	3.4150+00
77	482.20	4.7023+00	7.8927-01	2.3805-03	7.8927-01	2.3805-03	1.0456-03	3.0076-02	4.7066+04	6.0812-04	2.6360+00
78	473.29	4.6919+00	7.9222-01	2.3741-03	7.9222-01	2.3741-03	1.0427-03	2.9995-02	4.6938+04	6.0623-04	3.0250+00
79	472.25	4.8312+00	8.1756-01	2.4482-03	8.1756-01	2.4482-03	1.0753-03	3.0931-02	4.8404+04	6.2513-04	3.4150+00
80	497.08	5.1138+00	8.8215-01	2.6897-03	8.8215-01	2.6897-03	1.1814-03	3.3983-02	5.3179+04	6.8757-04	2.2400+00
81	485.34	4.8665+00	8.1851-01	2.4743-03	8.1851-01	2.4743-03	1.0868-03	3.1261-02	4.8921+04	6.3218-04	2.6360+00
82	478.97	5.1439+00	8.6411-01	2.6001-03	8.6411-01	2.6001-03	1.1420-03	3.2851-02	5.1408+04	6.6414-04	3.0250+00
83	478.66	5.0997+00	8.6414-01	2.5997-03	8.6414-01	2.5997-03	1.1418-03	3.2845-02	5.1398+04	6.6400-04	3.4150+00
401	750.40	1.1177+02	1.0958+01	4.1111-02	1.0958+01	4.1111-02	1.8057-02	5.1940-01	8.1281+05	1.0642-02	4.4500-01
403	652.52	7.2226+01	6.7430+00	2.3222-02	6.7430+00	2.3222-02	1.0200-02	2.9339-01	4.5912+05	5.9802-03	6.8600-01
404	642.71	6.7039+01	6.2261+00	2.1267-02	6.2261+00	2.1267-02	9.3410-03	2.6869-01	4.2047+05	5.4741-03	8.0100-01
405	581.19	4.9529+01	4.4448+00	1.4447-02	4.4448+00	1.4447-02	6.3454-03	1.8252-01	2.8563+05	3.7074-03	1.0510+00
406	591.72	-1.3506-02	-1.2195-03	-3.9966-06	-1.2195-03	-3.9966-06	-1.7554-06	-5.0495-05	-7.9018+01	-1.0262-06	1.1670+00
407	566.96	4.2739+01	3.8712+00	1.2443-02	3.8712+00	1.2443-02	5.4653-03	1.5721-01	2.4601+05	3.1911-03	1.2830+00
408	686.73	1.0252+02	9.7426+00	3.4541-02	9.7426+00	3.4541-02	1.5171-02	4.3640-01	6.8291+05	8.9108-03	5.1300-01
409	540.02	4.4431+01	3.9369+00	1.2395-02	3.9369+00	1.2395-02	5.4442-03	1.5660-01	2.4507+05	3.1748-03	5.7000-01
410	624.64	7.5349+01	7.0116+00	2.3597-02	7.0116+00	2.3597-02	1.0364-02	2.9813-01	4.6654+05	6.0684-03	6.2800-01
411	532.42	3.8074+01	3.3579+00	1.0512-02	3.3579+00	1.0512-02	4.6169-03	1.3281-01	2.0783+05	2.6914-03	6.8600-01
412	645.82	7.5029+01	7.0624+00	2.4186-02	7.0624+00	2.4186-02	1.0623-02	3.0557-01	4.7819+05	6.2265-03	7.4400-01
413	520.53	3.3465+01	2.9298+00	9.0896-03	2.9298+00	9.0896-03	3.9924-03	1.1484-01	1.7971+05	2.3261-03	8.0100-01
414	648.81	6.9831+01	6.5065+00	2.2338-02	6.5065+00	2.2338-02	9.8113-03	2.8222-01	4.4165+05	5.7515-03	8.5900-01
415	505.36	2.3591+01	2.0336+00	6.2386-03	2.0336+00	6.2386-03	2.7401-03	7.8820-02	1.2334+05	1.5954-03	9.1700-01
416	662.13	8.8895+01	8.2426+00	2.8616-02	8.2426+00	2.8616-02	1.2569-02	3.6154-01	5.6578+05	7.3731-03	5.7000-01
417	624.84	6.3432+01	5.9033+00	1.9870-02	5.9033+00	1.9870-02	8.7274-03	2.5104-01	3.9285+05	5.1100-03	1.0520+00